



### Corrigendum-I

**Ref: Tender No.:** TPCODL/CCG/1000001733/2025-26/EOI

**Tender Subject:** Expression of Interest (EOI) for Transportation, erection, testing and commissioning with 5 years O&M of grid-connected rooftop solar systems with capacity of 1 KWP per household in the service area of TPWODL under ULA scheme.

**Subject:** Extension of EOI submission validity timeline

All interested and prospective bidders may kindly note the following changes in calendar of events of NIT:

#### **Calendar of Events:**

| SL. | Description                      | Existing Schedule   | Revised Schedule           |
|-----|----------------------------------|---------------------|----------------------------|
| (a) | EOI Submission validity timeline | 31.03.2026 17:00 PM | <b>31.03.2027 17:00 PM</b> |

**All other terms and conditions of the EOI - TPCODL/CCG/1000001733/2025-26/EOI will remain the same.**

**Approved By:**

  
**Chief Technical Services  
Contracts And Procurement**  
Chief- TS, Contracts & Procurement





EOI No.: TPCODL/CCG/1000001733/2025-26/EOI

**EXPRESSION OF INTEREST DOCUMENT**

**FOR**

**TRANSPORTATION, ERECTION, TESTING AND  
COMMISSIONING WITH 5 YEARS O&M OF GRID-  
CONNECTED ROOFTOP SOLAR SYSTEMS WITH CAPACITY OF  
1 KWP PER HOUSEHOLD IN THE SERVICE AREA OF ODISHA  
DISCOMS**

EOI No.: TPCODL/CCG/1000001733/2025-26/EOI

**TP Central Odisha Distribution Limited  
1st Floor, Anuj Building, Plot No.29, Satya Nagar, Bhubaneswar,  
Odisha 751007**



EOI No.: TPCODL/CCG/1000001733/2025-26/EOI

## 1. INTRODUCTION

This Scope of Work shall be for the Selection of Business Associates for the Transportation, Erection, Testing and Commissioning with 5 Years O&M of Grid-Connected Rooftop Solar Systems of 1 KWp Capacity for identified Households in the Service area of Odisha DISCOMs under ULA Scheme. As part of the Government of India's target to achieve a cumulative capacity of 100 GW solar photovoltaic installation, TPCODL wishes to invite EOI for the selection of BAs in line with all the provisions of the RFP.

### Step-by-Step Process for Interested Bidders

#### Step 1: Application Submission to DISCOM RE Cell

- The interested bidder must initiate the process by applying directly to the Renewable Energy (RE) Cell of the respective DISCOM.
- The application should be addressed to the designated authority (Nodal Person) of the RE Cell

#### Step 2: Submission of Bidder Details

- The bidder is required to fill out and submit the Bidder Details Table.
- All information must be provided accurately and completely

#### Step 3: Submission of Expression of Interest (EOI)

- The bidder must prepare and submit an Expression of Interest (EOI) document.
- This EOI must be submitted to the Nodal Person of the respective DISCOM overseeing the project.
- The EOI should include:
  - A formal letter expressing the intent to participate
  - Submission of Tender Terms and Conditions Acceptance Letter
  - Submission of Tender Discovered Unit Rates Acceptance Letter
  - Any supporting documents deemed necessary

#### Step 4: No Tender Fee or EMD Required

No Tender Fee or Earnest Money Deposit (EMD) is required for this process.

## 2. Eligibility Criteria

Bidder should have relevant experience in Project Related Works/ Annual Maintenance Contract for any Utility DISCOM.

Or

Bidder should have relevant experience for doing project related works for any Utility DISCOM under 6% Deposit Scheme.

Or

Bidder should be an Empaneled Vendor in National Portal of PM-Surya Ghar Yojna.



EOI No.: TPCODL/CCG/1000001733/2025-26/EOI

### 3. IMPORTANT DATES AND CONTACT DETAILS

|                                      |                                                                                                                                          |                                                                                                |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Date of EOI Upload on TPCODL Website | 20.08.2025                                                                                                                               |                                                                                                |
| EOI Submission validity timeline     | 31.03.2026; 17:00 PM                                                                                                                     |                                                                                                |
| Mode of Submission                   | E-mail with necessary attachment to be sent to below respective DISCOM Nodal Contact Person before last date and time for EOI Submission |                                                                                                |
| Nodal Contact Person                 | <b>DISCOM</b>                                                                                                                            | <b>TPCODL</b>                                                                                  |
|                                      | <b>Nodal Person Name</b>                                                                                                                 | Pradeep Kumar Das                                                                              |
|                                      | <b>Email ID</b>                                                                                                                          | <a href="mailto:PradeepKumar.Das@tpcentralodisha.com">PradeepKumar.Das@tpcentralodisha.com</a> |
|                                      | <b>Phone No</b>                                                                                                                          | 9439061730                                                                                     |
|                                      | <b>Office Address</b>                                                                                                                    | RE Cell, TPCODL Corporate Office, BBSR                                                         |
|                                      | <b>DISCOM</b>                                                                                                                            | <b>TPNODL</b>                                                                                  |
|                                      | <b>Nodal Person Name</b>                                                                                                                 | Rajib Kumar Nayak                                                                              |
|                                      | <b>Email ID</b>                                                                                                                          | <a href="mailto:rajib.nayak@tpnodl.com">rajib.nayak@tpnodl.com</a>                             |
|                                      | <b>Phone No</b>                                                                                                                          | 9438906020                                                                                     |
|                                      | <b>Office Address</b>                                                                                                                    | 1st Floor, NOCCI Business Park, Bampada, Balasore, Odisha, PIN 756001                          |
|                                      | <b>DISCOM</b>                                                                                                                            | <b>TPSODL</b>                                                                                  |
|                                      | <b>Nodal Person Name</b>                                                                                                                 | Binod Bihari Nayak                                                                             |
|                                      | <b>Email ID</b>                                                                                                                          | <a href="mailto:binod.nayak@tpsouthernodisha.com">binod.nayak@tpsouthernodisha.com</a>         |
|                                      | <b>Phone No</b>                                                                                                                          | 9437959808                                                                                     |
|                                      | <b>Office Address</b>                                                                                                                    | Corporate office ,TPSODL, At: Kamapalli, Courtpetta, Berhampur -760004, Dist-Ganjam(Odisha)    |
|                                      | <b>DISCOM</b>                                                                                                                            | <b>TPWODL</b>                                                                                  |
|                                      | <b>Nodal Person Name</b>                                                                                                                 | Dayanand B Vanmore                                                                             |
|                                      | <b>Email ID</b>                                                                                                                          | <a href="mailto:dayanand.vanmore@tpwesternodisha.com">dayanand.vanmore@tpwesternodisha.com</a> |
|                                      | <b>Phone No</b>                                                                                                                          | 9223587443                                                                                     |
|                                      | <b>Office Address</b>                                                                                                                    | Office of Head Renewable Energy, TPWODL, Saurav Vihar, Burla ( Sambalpur)                      |



EOI No.: TPCODL/CCG/1000001733/2025-26/EOI

#### 4. Bidder Details Form

Following steps are to be followed before “Last date for EOI”:

Eligible and Interested Bidders to submit duly signed and stamped letter on Bidder's letter head indicating below required **Bidder Details**.

| Particulars                                                                  | Details to be filled by Business Associate |
|------------------------------------------------------------------------------|--------------------------------------------|
| Company Name                                                                 |                                            |
| Vendor Code (if any)                                                         |                                            |
| Existing Contracts (if any)<br>Order No and Work Description to be mentioned | RC No:<br>Work Description:                |
| Preferential DISCOM                                                          |                                            |
| Preferential Section/Area                                                    |                                            |
| Company Address                                                              |                                            |
| Email Address                                                                |                                            |
| Name of authorized person                                                    |                                            |
| Phone Number                                                                 |                                            |
| Company GST No                                                               |                                            |
| MSME Industry Registration number (If Applicable)                            |                                            |

#### 5. CHECKLIST OF THE DOCUMENTS

| S. No. | List of Undertakings                                                             | Copy of Documents Required                     | Attached (Yes/No) |
|--------|----------------------------------------------------------------------------------|------------------------------------------------|-------------------|
| 1      | Name of the Firm (if applicable)                                                 | Certificate of Incorporation / GST Certificate |                   |
| 2      | Legal status of the Firm (Ltd/Pvt./Proprietary/ Partnership/LLP) (if applicable) | Company Registration Certificate               |                   |
| 3      | GST Certificate of the Firm                                                      | GST Certificate                                |                   |



EOI No.: TPCODL/CCG/1000001733/2025-26/EOI

| S. No. | List of Undertakings                                      | Copy of Documents Required                                                                                     | Attached (Yes/No) |
|--------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------|
| 4      | PAN Card of the Firm (if applicable)                      | PAN Card                                                                                                       |                   |
| 5      | Provident Fund number of the Firm (if applicable)         | Provident Fund Certificate.                                                                                    |                   |
| 6      | Odisha based MSME Certificate of the Firm (if applicable) | MSME Certificate                                                                                               |                   |
| 7      | Relevant Experience                                       | Bidder is required to share the Relevant Experience Order Copy as per the requirement in Eligibility Criteria. |                   |
| 8      | Acceptance to the Tender Related Document                 | Sign and Stamp of Acceptance Letter to Tender Terms and Conditions in their own Company Letter Head.           |                   |
| 9      | Acceptance to the Tender Discovered Rates                 | Sign and Stamp of Acceptance Letter to Tender Discovered Rates in their own Company Letter Head.               |                   |

**TENDER ACCEPTANCE LETTER**  
**(To be given on Company Letter Head)**

Date: \_\_\_\_\_

To,

Chief (Procurement & Stores)

**TP Central Odisha Distribution Limited** (*DISCOM Name where applied*)

**Sub:** Acceptance of Terms & Conditions of Tender

**Tender Reference No.:** TPCODL/CCG/1000001733/2024-25

**Name of Tender / Work:** Transportation, Erection, Testing and Commissioning of Grid-Connected Rooftop Solar Plant with capacity of 1 KWp per Households in the Service area of TP DISCOMs Odisha

1. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
2. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.
3. I / We hereby unconditionally accept the tender conditions of above-mentioned tender document (Tender no. TPCODL/CCG/1000001733/2024-25/ Replies to Pre-Bid Queries/ Acceptable Deviations / General Conditions of Contract for Service Orders and/or any written communication from TPCODL during the tendering process) in its totality / entirety.

Other Terms and Conditions

After the issuance of RC, Business Associate needs to submit a Security Deposit of Rs. 2,50,000 /- in favour of TPCODL with validity of 5 Years + 6 Months Claim Period from the date of issuance of RC for further empanelment in all 4 DISCOM.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

**RATES ACCEPTANCE LETTER**  
(To be given on Company Letter Head)

Date: \_\_\_\_\_

To,

**Chief (Procurement & Stores)**

**TP Central Odisha Distribution Limited** (*DISCOM Name where applied*)

**Sub:** Acceptance of Tender Discovered Rates

**Tender Reference No.:** TPCODL/CCG/1000001733/2024-25

**Name of Tender / Work:** Transportation, Erection, Testing and Commissioning of Grid-Connected Rooftop Solar Plant with capacity of 1 KWp per Households in the Service area of TP DISCOMs Odisha

1. I / We hereby unconditionally accept the below mentioned tender Discovered Rates of above-mentioned tender document with all its terms and conditions.

| S. No. | Item Description                                                                                                                                                                                                    | UOM      | Unit Price Rs. | GST Rs. | All Incl. Unit Rate Rs. | Remarks |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|---------|-------------------------|---------|
| 1      | <b>ITC of Solar Panel (1 KWh)</b><br>Including handling of concrete ballast, Panel , Module & installation at customer site)                                                                                        | Each     | 3,390          | 610     | 4,000                   | A       |
| 2      | <b>Transportation</b><br>(including/Loading/Unloading/Stacking etc.) of Panel & associated material to Site /Store (LP Truck 1512 LPT or equivalent with GVW 16020 kg and net loading capacity 10 ton (with Driver) |          |                |         |                         |         |
| 2a.    | Upto 50 KMs (To & Fro)                                                                                                                                                                                              | Per Trip | 6,500          | 1,170   | 7,670*                  | B       |
| 2b.    | Upto 100 KM (To & Fro)                                                                                                                                                                                              | Per Trip | 9,000          | 1,620   | 10,620*                 | C       |
| 2c.    | Upto 150 KM (To & Fro)                                                                                                                                                                                              | Per Trip | 13,000         | 2,340   | 15,340*                 | D       |
| 2d.    | more than 150 KMs (To & Fro)                                                                                                                                                                                        | Per Trip | 16,500         | 2,970   | 19,470*                 | E       |
| 3      | <b>Transportation</b><br>(including/Loading/Unloading/Stacking etc.) of Panel & associated material to Consumer site (Tata Ace (1.6 Ton)) (With Driver)                                                             |          |                |         |                         |         |
| 3a.    | Upto 50 KMs (To & Fro)                                                                                                                                                                                              | Per Trip | 2,000          | 360     | 2,360**                 | F       |
| 3b.    | Upto 100 KM (To & Fro)                                                                                                                                                                                              | Per Trip | 3,000          | 540     | 3,540**                 | G       |
| 3c.    | Upto 150 KM (To & Fro)                                                                                                                                                                                              | Per Trip | 5,500          | 990     | 6,490**                 | H       |
| 3d.    | more than 150 KMs (To & Fro)                                                                                                                                                                                        | Per Trip | 8,000          | 1,440   | 9,440**                 | I       |

| S. No. | Item Description                                                                                                                                                                                                          | UOM       | Unit Price Rs. | GST Rs.      | All Incl. Unit Rate Rs. | Remarks                       |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|--------------|-------------------------|-------------------------------|
| 4      | <b>Door to Door Survey:</b><br>Locating the customer, verification of electricity bill, assessment of rooftop, approach to roof, collection of application/consent letter, submission of section wise consolidated report | Each      | 250            | 45           | 295                     | J                             |
| 5      | <b>Hiring of TRX Crane</b> for loading/unloading (If Required)                                                                                                                                                            |           |                |              |                         |                               |
| 5a     | Per Hour                                                                                                                                                                                                                  | Each      | 1,500          | 270          | 1,770                   | K                             |
| 5b     | Half Day (4 Hrs)                                                                                                                                                                                                          | Each      | 6,000          | 1,080        | 7,080                   | L                             |
| 5c     | Full Day (8 Hrs)                                                                                                                                                                                                          | Each      | 9,000          | 1,620        | 10,620                  | M                             |
| 6      | <b>Operations and Maintenance</b> for 5 Years including maintenance, replacement and transportation of Free issued material which will be available at TP DISCOM Designated Warehouse.                                    | Per Visit | 400            | 72           | 472***                  | N                             |
|        | <b>Total for Survey, ITC and O&amp;M</b>                                                                                                                                                                                  |           |                |              |                         |                               |
|        | <b>Upto 50 KMs (To &amp; Fro)</b>                                                                                                                                                                                         |           | <b>7,832</b>   | <b>1,410</b> | <b>9,241</b>            | <b>A+(B/20)+(F/3)+J+(N*8)</b> |
|        | <b>Upto 100 KM (To &amp; Fro)</b>                                                                                                                                                                                         |           | <b>8,290</b>   | <b>1,492</b> | <b>9,782</b>            | <b>A+(C/20)+(G/3)+J+(N*8)</b> |
|        | <b>Upto 150 KM (To &amp; Fro)</b>                                                                                                                                                                                         |           | <b>9,323</b>   | <b>1,678</b> | <b>11,002</b>           | <b>A+(D/20)+(H/3)+J+(N*8)</b> |
|        | <b>more than 150 KMs (To &amp; Fro)</b>                                                                                                                                                                                   |           | <b>10,332</b>  | <b>1,860</b> | <b>12,191</b>           | <b>A+(E/20)+(I/3)+J+(N*8)</b> |

\* The above rates discovered in Tender on Full load (Truck) basis considering 20KW Capacity

\*\* The above rates discovered in Tender on Full load (Tata ACE/Equivalent) basis considering 3KW Capacity

\*\*\*The above rates is Considering 8 visits in 5 Years.

Below given tabulated data is considering per KW and per visit rates and same shall reflect in the Rate Contract, if awarded.

#### Per KW Installation Rate in the Rate Contract (RC)

| S. No. | Item Description                                                                                                                                                                                                     | UoM    | Upto 50 KMs (To & Fro) | Upto 100 KM (To & Fro) | Upto 150 KM (To & Fro) | more than 150 KMs (To & Fro) |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------|------------------------|------------------------|------------------------------|
| 1      | <b>ITC of Solar Panel (1 KWh)</b><br>Including handling of concrete ballast, Panel , Module & installation at customer site                                                                                          | per KW | 4,000                  | 4,000                  | 4,000                  | 4,000                        |
| 2      | <b>Transportation</b><br>(including/Loading/Unloading /Stacking etc.) of Panel & associated material to Site /Store (LP Truck 1512 LPT or equivalent with GVW 16020 kg and net loading capacity 10 ton (with Driver) | per KW | 384                    | 531                    | 767                    | 974                          |

| S. N o. | Item Description                                                                                                                                                                                                                                                                            | UoM       | Upto 50 KMs (To & Fro) | Upto 100 KM (To & Fro) | Upto 150 KM (To & Fro) | more than 150 KMs (To & Fro) |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------|------------------------|------------------------|------------------------------|
| 3       | <b>Transportation</b><br>(including/Loading/Unloading /Stacking etc.) of Panel & associated material to Consumer site (Tata Ace (1.6 Ton)) (With Driver)                                                                                                                                    | per KW    | 787                    | 1,180                  | 2,163                  | 3,147                        |
| 4       | <b>Door to Door Survey:</b><br>Locating the customer, verification of electricity bill, assessment of rooftop, approach to roof, collection of application/consent letter, submission of section wise consolidated report                                                                   | per KW    | 295                    | 295                    | 295                    | 295                          |
| 5       | <b>Operations and Maintenance</b><br>for 5 Years including maintenance, replacement and transportation of Free issued material which will be available at TP DISCOM Designated Warehouse.<br>Per visit Rs. 472<br>Maximum 8 Nos of Visits considered in 5 Years: 8 Nos X Rs. 472 = Rs. 3776 | Per visit | 472                    | 472                    | 472                    | 472                          |

All terms and conditions shall be as per Tender no. TPCODL/CCG/1000001733/2024-25/Replies to Pre-Bid Queries / Acceptable Deviations / General Conditions of Contract for Service Orders and/or any written communication from TPCODL during the tendering process.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)



NIT No.: TPCODL/CCG/1000001733/2024-25

**Procedure to Participate in Tender**

**Tender Enquiry No- TPCODL/CCG/1000001733/2024-25**

| Tender Enquiry No.          | Work Description                                                                                                                                                                 | EMD* (Rs.) | Tender Fee (Rs.) | Last Date for payment of Tender Fee |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------|-------------------------------------|
| TPCODL/CCG/1000001733/24-25 | RFQ for Transportation, Erection, Testing and Commissioning of Grid-Connected Rooftop Solar Plant with capacity of 1 KWp per Households in the Service area of TP DISCOMs Odisha | Rs. 50,000 | 1,000            | 10.01.2025                          |

\* EMD is exempted for MSME Bidders registered in the State of Odisha. However, MSME Bidder shall be barred to participate in the tendering process for a period of 2 years in case it backs out post award of the contract. MSME BAs needs to submit Bid Security Declaration.

**Please note that corresponding details mentioned in this document will supersede any other details mentioned anywhere else in the Tender Document.**

**Procedure to Participate in Tender.**

Following steps are to be followed before “Last date for Payment of Tender Fee”:

- Eligible and Interested Bidders to submit duly signed and stamped letter on Bidder's letter head indicating
  - Tender Enquiry number
  - Name of authorized person
  - Contact number
  - E-mail id
  - Details of submission of Tender Fee
  - GST Registration No
  - Details of submission of Tender Fee
  - MSME Certificate, wherever applicable
  - Details of Bank Account for refund of EMD
  - Postal Address for refund of EMD
- Non-Refundable Tender Fee, as indicated in table above, to be submitted in the form of Direct Deposit in the following bank account and submit the receipt along with a covering letter clearly indicating the Tender Reference/ Enquiry Number –

Beneficiary Name: TP Central Odisha Distribution Ltd.  
Bank Name: STATE BANK OF INDIA  
Branch Name: IDCO Towers, Bhubaneswar  
Address: P.O. - Sahidnagar, Janapath, Bhubaneswar.  
Branch Code: 7891  
Account No: 10835304915  
IFSC Code: SBIN0007891

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NIT No.: TPCODL/CCG/1000001733/2024-25

E-mail with necessary attachment of 1 and 2 above to be sent to [arijeet.choudhury@tpcentralodisha.com](mailto:arijeet.choudhury@tpcentralodisha.com) , and [sony.jha@tpcentralodisha.com](mailto:sony.jha@tpcentralodisha.com) before last date and time for payment of Tender Fee.

Interested bidders to submit Tender Fee and Authorization Letter before Last date and time as indicated above, after which link from TPCODL E-Tender system (Ariba) will be shared for further communication and bid submission.

Please note that all future correspondence regarding the tender, bid submission, due date extension, Pre-bid query, etc. will take place through TPCODL E-Tender system (Ariba) only. User manual to guide the bidders to submit the bid through E-Tender system (Ariba) is enclosed.

All communication shall be held only with the bidders who have carried out the above steps to participate in the Tender.

It is to be noted that once date of “Last date and time for Payment of Tender Participation Fee” is lapsed, no Bidder will be sent link from TPCODL E-Tender System (Ariba). Without this link, bidder will not be able to participate in the tender. Any last moment request to participate in tender will not be considered.

Further, all future corrigendum to the said tender will be uploaded in the Tender section on website <https://www.tpcentralodisha.com>.



NIT No.: TPCODL/CCG/1000001733/2024-25

## **OPEN TENDER NOTIFICATION**

**FOR**

**RFQ FOR TRANSPORTATION, ERECTION, TESTING  
AND COMMISSIONING OF GRID-CONNECTED  
ROOFTOP SOLAR PLANT WITH CAPACITY OF 1  
KWP PER HOUSEHOLDS IN THE SERVICE AREA OF  
ALL FOUR ODISHA TP DISCOMS**

**Tender Enquiry No.: TPCODL/CCG/1000001733/24-25**

**Due Date for Bid Submission: 21.01.2025 [15:00 Hours]**

**TP Central Odisha Distribution Limited  
1st Floor, Anuj Building, Plot No.29, Satya Nagar,  
Bhubaneswar, Odisha 751007**

### CONTENTS OF THE ENQUIRY

| S. NO.           | PARTICULARS                                                              |
|------------------|--------------------------------------------------------------------------|
| 1.               | Event Information                                                        |
| 2.               | Submission of Bid Documents                                              |
| 3.               | Bid Opening & Evaluation process                                         |
| 4.               | Evaluation Criteria                                                      |
| 5.               | Award Decision                                                           |
| 6.               | Order of Preference/Contradiction                                        |
| 7.               | Post Award Contract Administration                                       |
| 8.               | Specifications and Standards                                             |
| 9.               | General Conditions of Contract                                           |
| 10.              | Safety                                                                   |
| <b>Annexures</b> |                                                                          |
| I                | Annexure I – Schedule of Items                                           |
| II               | Annexure II – Technical Specifications                                   |
| III              | Annexure III – Schedule of Deviations                                    |
| IV               | Annexure IV – Schedule of Commercial Specifications                      |
| V                | Annexure V – Document Check List                                         |
| VI               | Annexure VI – Acceptance Form for Participation in Reverse Auction Event |
| VII              | Annexure VII – Scope of Work and Service Level Agreement                 |
| VIIa             | Annexure VIIa – Preferential norms for Odisha MSMEs                      |
| VIII             | Annexure VIII – General Condition of Contract                            |
| IX               | Annexure IX - Safety Policy and Safety Terms and Conditions              |
| X                | Annexure X – Tata Code of Conduct (TCoC)                                 |
| XI               | Annexure XI - Environment & Sustainability Policy                        |

## 1.0 Event Information

### 1.1. Scope of work

**Open Tenders** are invited from interested Bidders entering into a Contract for the following:

| S. No. | Description                                                                                                                                                                      | EMD Amount (Rs.) | Tender Fee (Rs.) |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|
| 1.     | RFQ for Transportation, Erection, Testing and Commissioning of Grid-Connected Rooftop Solar Plant with capacity of 1 KWp per Households in the Service area of TP DISCOMs Odisha | Rs. 50,000       | 1,000            |

Note: Tender Fee is inclusive of GST

### 1.2. Availability of Tender Documents

Please refer "Procedure to participate in the e-tender".

### 1.3. Calendar of Events

|     |                                                                                                                                               |                                                                                                                          |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| (a) | Date of sale/ availability of tender documents from TPCODL Website                                                                            | From 03.01.2025 onwards                                                                                                  |
| (b) | Date by which Interested and Eligible Bidder to pay Tender Fee and confirm participation as mentioned in "Procedure to Participate in Tender" | 10.01.2025                                                                                                               |
| (c) | Last Date of receipt of pre-bid queries, if any                                                                                               | 13.01.2025                                                                                                               |
| (d) | Pre-Bid Meeting*                                                                                                                              | 15.01.2025                                                                                                               |
| (e) | Last Date of Posting Consolidated replies to all the pre-bid queries as received                                                              | 17.01.2025                                                                                                               |
| (f) | Last date and time of receipt of Bids                                                                                                         | 21.01.2025; 15:00 Hours                                                                                                  |
| (g) | Date & Time of opening technical bids & EMD (Envelope-1 & 2)                                                                                  | Participating Bidders will get mail intimation from TPCODL E-Tender system (Ariba) when their Technical Bids are opened. |
| (h) | Date & Time of opening of Price bid of qualified bidders                                                                                      | Bidders will get mail intimation from TPCODL E-tender system (Ariba) when their Price Bids are opened                    |

*\*Pre-Bid Meeting Time and Venue details shall be shared later*

**Note :-** In the event of last date specified for submission of bids and date of opening of bids is declared as a closed holiday for TPCODL's office, the last date of submission of bids and date of opening of bids will be the day following working day at appointed times.

### 1.4 Mandatory documents required along with the Bid

- 1.4.1 EMD of requisite value and validity
- 1.4.2 Tender Fee of requisite amount
- 1.4.3 Requisite Documents for compliance to Qualification Criteria mentioned in Clause 1.7.

- 1.4.4 Drawing, Type Test details along with a sample of each item as specified at Annexure I (as applicable)
- 1.4.5 Duly signed and stamped 'Schedule of Deviations' as per Annexure III on bidder's letter head.
- 1.4.6 Duly signed and stamped 'Schedule of Commercial Specifications' as per Annexure IV on bidder's letter head.
- 1.4.7 Proper authorization letter/ Power of Attorney to sign the tender on the behalf of bidder.
- 1.4.8 Copy of PAN, GST, PF and ESI Registration (In case any of these documents is not available with the bidder, same to be explicitly mentioned in the 'Schedule of Deviations')
- 1.4.9 Documents for safety bid evaluation as per Appendix 13: CSM-F-9 Safety Bid Evaluation Criteria

***Please note that in absence of any of the above documents, bid submitted by the bidder shall be liable for rejection.***

### **1.5. Deviation from Tender**

Normally, the deviations to tender terms are not admissible and the bids with deviation are liable for rejection. Hence, the bidders are advised to refrain from taking any deviations on this Tender. Still in case of any deviations, all such deviations shall be set out by the Bidders, clause by clause in the 'Annexure III - Schedule of Deviations' and same shall be submitted as a part of the Technical Bid.

### **1.6. Right of Acceptance/Rejection**

Bids are liable for rejection in absence of following documents:-

- i. EMD of requisite value and validity
- ii. Tender fee of requisite value
- iii. Price Bid as per the Price Schedule mentioned in Annexure I (BOQ)
- iv. Necessary documents against compliance to Qualification Requirements mentioned at Clause 1.7 of this Tender Document
- v. Filled in Schedule of Deviations as per Annexure III
- vi. Filled in Schedule of Commercial Specifications as per Annexure IV
- vii. Receipt of Bid within the due date and time

TPCODL reserves the right to accept/reject any or all the bids without assigning any reason thereof.

### **1.7 Qualification Requirement / Eligibility Criteria**

1. Bidder should be an Empaneled Vendor in National Portal of PM-Surya Ghar or should have cumulative experience of executing  $\geq 50$  kWp Off- grid/ Grid connected SPV Power Plants/Systems in Last three Years. **Bidder must submit the Order Copy or required necessary document in this regards.**
2. The prospective Bidder(s) should be a registered Sole Proprietor Firm / Partnership Firm/ Company and should possess all Statutory Compliance. **Bidder must submit the copy of all these Registration certificates like Valid PAN, ESI registration, EPF registration, GSTN Registration etc.**
3. Joint Ventures (JV) are not allowed and no sub-contracting is also allowed with regard to Transportation, Installation and commissioning. **This is the sole responsibility of Bidder. Self-Declaration on Bidders Letter Head to be submitted.**

### 1.8. Marketing Integrity

We have a fair and competitive marketplace. The rules for bidders are outlined in the General Condition of Contracts. Bidders must agree to these rules prior to participating. In addition to other remedies available, TPCODL reserves the right to exclude a bidder from participating in future markets due to the bidder's violation of any of the rules or obligations contained in the General Condition of Contracts. A bidder who violates the market place rules or engages in behavior that disrupts the fair execution of the marketplace, may result in restriction of a bidder from further participation in the marketplace for a length of time, depending upon the seriousness of the violation. Examples of violations include, but are not limited to:

- Failure to honor prices submitted to the marketplace
- Breach of terms as published in TENDER/NIT

### 1.9. Supplier Confidentiality

All information contained in this tender is confidential and shall not be disclosed, published or advertised in any manner without written authorization from TPCODL. This includes all bidding information submitted to TPCODL. All tender documents remain the property of TPCODL and all suppliers are required to return these documents to TPCODL upon request. Suppliers who do not honor these confidentiality provisions will be excluded from participating in future bidding events.

### 2.0 Evaluation Criteria

- The bids will be evaluated technically on the compliance to tender terms and conditions
- The bids will be evaluated commercially on "all-inclusive line item-wise lowest unit rate" from Sl. No. 5 to 9c in Schedule of Items [Annexure I].
- Bidder has to mandatorily quote against each item of Schedule of Items [Annexure I]. Failing to do so, TPCODL may reject the bids.

**NOTE:** In case a new bidder is not registered with TPCODL, factory inspection and evaluation shall be carried out to ascertain bidder's manufacturing capability and quality procedures. However TPCODL reserves the right to carry out factory inspection and evaluation for any bidder prior to technical qualification.

*In case a bidder is found as Disqualified in the factory evaluation, their bid shall not be evaluated any further and shall be summarily rejected. The decision of TPCODL shall be final and binding on the bidder in this regard.*

**2.1 Price Variation Clause:** The prices shall remain FIRM during the entire contract period.

### 3.0 Submission of Bid Documents

#### 3.1 Bid Submission

Bidders are requested to submit their offer in line with this Tender document. TPCODL shall respond to the clarification raised by various bidders and the replies will be sent to all participating bidders through TPCODL e-tender system (Ariba).

Bids shall be submitted in 3 (three) parts:

**FIRST PART: "EMD"** as applicable shall be submitted. The EMD shall be valid for 210 days from the due date of bid submission in the form of BG / Bank Draft / Bankers Pay Order (issued from a Scheduled Bank) online NEFT/ RTGS transfer favoring 'TP Central Odisha Distribution Limited' payable at Bhubaneswar. The EMD has to be strictly in the format as mentioned in General Condition of Contract, failing which it shall not be accepted by TPCODL and the bid as submitted shall be liable for rejection. A separate non-refundable tender fee of stipulated



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amount also needs to be transferred online through NEFT/ RTGS in case the tender document is downloaded from our website.

TPCODL Bank Details for transferring Tender Fee and EMD is as below:

**Account Name:** TP CENTRAL ODISHA DISTRIBUTION LIMITED

**Bank Name:** SBI, IDCO Towers, Bhubaneswar

**Bank Account No. :** 10835304915

**IFSC Code:** SBIN0007891

For Tender Fee and EMD submitted via online transfer, bidder to ensure that the same are carried out through separate transactions.

The EMD in the form of Bank Draft / BG /Bankers Pay Order shall be delivered at the following address in sealed envelope clearly indicating the tender reference / enquiry number, name of tender and bidder name:

**Chief (Procurement & Stores)**

TP Central Odisha Distribution Limited

1st Floor, Anuj Building, Plot No.29, Satya Nagar, Bhubaneswar, Odisha 751007

**SECOND PART: “TECHNICAL BID”** shall contain the following documents:

- a) Documentary evidence in support of qualifying criteria
- b) Technical literature/GTP/Type test report etc. (if applicable)
- c) Qualified manpower (if available)
- d) Testing facilities (if applicable)
- e) No Deviation Certificate as per the Annexure III – Schedule of Deviations
- f) Acceptance to Commercial Terms and Conditions viz. Delivery schedule/period, payment terms etc. as per the Annexure IV – Schedule of Commercial Specifications.
- g) Quality Assurance Plan/Inspection Test Plan for supply items (if applicable)
- h) Project Implementation Plan including Level 2 Schedule for the project
- i) Unpriced mentioning “Quoted/Not Quoted” against all line items (Prices should not be mentioned)

**The technical bid shall be properly indexed and is to be submitted through TPCODL E-tender platform (Ariba) only. Hard copy of Technical Bids need not be submitted.**

The Bid prepared by the Bidder, and all correspondence and documents relating to the Bid exchanged by the Bidder and the TPCODL, shall be written in the English Language. Any printed literature furnished by the Bidder may be written in another Language, provided that this literature is accompanied by an English translation, in which case, for purposes of interpretation of the Bid, the English translation shall govern.

**THIRD PART: “PRICE BID”** shall contain only the price details and strictly in format as mentioned in Annexure I along with explicit break up of basic prices, Taxes & duties, Freight etc. In case any discrepancy is observed between the item description stated in Schedule of Items mentioned in the tender and the price bid submitted by the bidder, the item description as mentioned in the tender document (to the extent modified through Corrigendum issued if any) shall prevail. Price Bid is to be submitted in soft copy through TPCODL E-Tendering system (Ariba) only. Hard copy of Price Bid not be submitted.

**SIGNING OF BID DOCUMENTS:**

The bid must contain the name, residence and place of business of the person or persons making the bid and must be signed and sealed by the Bidder with his usual signature. The names of all persons signing should also be typed or printed below the signature.

The Bid being submitted must be signed by a person holding a Power of Attorney authorizing him to do so, certified copies of which shall be enclosed.

The Bid submitted on behalf of companies registered with the Indian Companies Act, for the time being in force, shall be signed by persons duly authorized to submit the Bid on behalf of the Company and shall be accompanied by certified true copies of the resolutions, extracts of Articles of Association, special or general Power of Attorney etc. to show clearly the title, authority and designation of persons signing the Bid on behalf of the Company. Satisfactory evidence of authority of the person signing on behalf of the Bidder shall be furnished with bid.

A bid by a person who affixes to his signature the word 'President', 'Managing Director', 'Secretary', 'Agent' or other designation without disclosing his principal will be rejected.

The Bidder's name stated on the Proposal shall be the exact legal name of the firm.

**3.2 Contact Information**

Please note all correspondence regarding the tender, bid submission, bid submission date extension, Pre-bid query etc. will happen through TPCODL E-Tender system (Ariba).

All communication will be done strictly with the bidder who have done the above step to participate in the Tender.

**Communication Details:****Package Owner**

Name: Arijeet Choudhury  
Designation: Procurement (Commercial Services)  
Contact No.: 9871432126  
E-Mail ID: [arijeet.choudhury@tpcentralodisha.com](mailto:arijeet.choudhury@tpcentralodisha.com)

**Escalation Matrix**

Name: Sony Jha (HoD Procurement)  
Contact No.: 9204752050  
E-Mail ID: [sony.jha@tpcentralodisha.com](mailto:sony.jha@tpcentralodisha.com)

Name: Vipin Chauhan (Head – Contracts (CCG))  
Contact No.: 9717393121  
E-Mail ID: [Vipin.Chauhan@tpnodl.com](mailto:Vipin.Chauhan@tpnodl.com)

Bidders are strictly advised to communicate with Package Owner through TPCODL E-tender System (ARIBA) only. They need to pay Tender Participation Fee to receive the ARIBA Log-in.

**3.3 Bid Prices**

Bidders shall quote for the entire Scope of Supply/ work with a break up of prices for individual items and Taxes & duties. The bidder shall complete the appropriate Price Schedules included herein, stating the Unit Price for each item & total price with taxes, duties & freight up to destination at various sites of TPCODL. The all-inclusive prices offered shall be inclusive of

all costs as well as Duties, Taxes and Levies paid or payable during the execution of the supply work, breakup of price constituents.

**Applicable GST to be specified clearly.**

The quantity break up shown else-where other than Price Schedule is tentative. The bidder shall ascertain himself regarding material required for completeness of the entire work. Any items not indicated in the price schedule but which are required to complete the job as per the Technical Specifications/ Scope of Work/ SLA mentioned in the tender, shall be deemed to be included in prices quoted.

**3.4 Bid Currencies**

Prices shall be quoted in Indian Rupees Only.

**3.5 Period of Validity of Bids**

Bids shall remain valid for 180 days from the due date of submission of the bid.

Notwithstanding clause above, the TPCODL may solicit the Bidder's consent to an extension of the Period of Bid Validity. The request and responses thereto shall be made in writing.

**3.6 Alternative Bids**

Bidders shall submit Bids, which comply with the Bidding documents. Alternative bids will not be considered. The attention of Bidders is drawn to the provisions regarding the rejection of Bids in the terms and conditions, which are not substantially responsive to the requirements of the bidding documents.

**3.7 Modifications and Withdrawal of Bids**

The bidder is not allowed to modify or withdraw its bid after the Bid's submission. The EMD as submitted along with the bid shall be liable for forfeiture in such event.

**3.8 Earnest Money Deposit (EMD)**

The bidder shall furnish, as part of its bid, an EMD amounting as specified in the tender. The EMD is required to protect TPCODL against the risk of bidder's conduct which would warrant forfeiture.

The EMD shall be denominated in any of the following form:

- Banker's Cheque/ Demand Draft/ Pay order drawn in favor of TP Central Odisha Distribution Limited payable at Bhubaneswar.
- Online transfer of requisite amount through NEFT/ RTGS.
- Bank Guarantee valid for 210 days after due date of submission.

***The EMD shall be forfeited in case:***

- a) The bidder withdraws its bid during the period of specified bid validity.

**Or**

- b) The successful Bidder does not
- a) accept the Purchase Order, or
  - b) furnish the required Performance Security Bank Guarantee

**4 Bid Opening & Evaluation process**

**4.1. Process to be confidential**

Information relating to the examination, clarification, evaluation and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other

persons not officially concerned with such process. Any effort by a Bidder to influence the TPCODL's processing of Bids or award decisions may result in rejection of the Bidder's Bid.

#### **4.2. Technical Bid Opening**

The bids shall be opened at TPCODL office in front of participated bidders either physically or in virtual mode. A link shall be provided to the participated bidders to view the tender opening process online. Also Participating Bidders shall get mail intimation from TPCODL E-Tender system (Ariba) when their Technical Bids are opened.

First the envelope marked "EMD" will be opened. Bids without EMD/cost of tender (if applicable) of required amount/ validity in prescribed format, shall be rejected.

Next, the technical bid of the bidders who have furnished the requisite EMD will be opened, one by one. The salient particulars of the techno commercial bid will be read out at the sole discretion of TPCODL.

The EMD of the bidder withdrawing or substantially altering his offer at any stage after the technical bid opening will be forfeited at the sole discretion of TPCODL without any further correspondence in this regard.

#### **4.3. Preliminary Examination of Bids/Responsiveness**

TPCODL will examine the Bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the Bids are generally in order. TPCODL may ask for submission of original documents in order to verify the documents submitted in support of qualification criteria.

Arithmetical errors will be rectified on the following basis: If there is a discrepancy between the unit price and the total price per item that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price per item will be corrected. If there is a discrepancy between the Total Amount and the sum of the total price per item, the sum of the total price per item shall prevail and the Total Amount will be corrected.

Prior to the detailed evaluation, TPCODL will determine the substantial responsiveness of each Bid to the Bidding Documents including production capability and acceptable quality of the Goods offered. A substantially responsive Bid is one, which conforms to all the terms and conditions of the Bidding Documents without material deviation.

Bid determined as not substantially responsive will be rejected by the TPCODL and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

#### **4.4. Techno Commercial Clarifications**

Bidders need to ensure that the bids submitted by them are complete in all respects. To assist in the examination, evaluation and comparison of Bids, TPCODL may, at its discretion, ask the Bidder for a clarification on its Bid with respect to the TPCODL specifications and attempt will be made to bring all bids on a common footing. All responses to requests for clarification shall be in writing and no change in the price or substance of the Bid shall be sought, offered or permitted owing to any clarifications sought by TPCODL.

#### **4.5. Price Bid Opening**

The bids shall be opened at TPCODL office in front of Techno-commercially and / or safety qualified bidders either physically or in virtual mode. A link shall be provided to the bidders to view the price-bid opening process online. Bidders shall also get mail intimation from TPCODL E-Tender system (Ariba) when their Price Bids are opened.

#### 4.6. Reverse Auctions

Not Applicable

#### 4.7 Award Decision

TPCODL will award the contract to the successful bidder whose bid has been determined to be the lowest-evaluated responsive bid as per the Evaluation Criterion mentioned at Clause 2.0. The Cost for the said calculation shall be taken as the all-inclusive cost quoted by bidder in Annexure I (Schedule of Items) subject to any corrections required in line with Clause 4.3 above. The decision to place purchase order/LOI solely depends on TPCODL on the cost competitiveness across multiple lots, quality, delivery and bidder's capacity, in addition to other factors that TPCODL may deem relevant.

TPCODL reserves the rights to award contract to one or more bidders so as to meet the delivery requirement or nullify award decision without assigning any reason thereof.

In case any supplier is found unsatisfactory during delivery process, the award will be cancelled and TPCODL reserves right to award contract to other suppliers who are found fit.

#### 5 Order of Preference/Contradiction

In case of contradiction in any part of various documents in tender, following shall prevail in order of preference:

1. Schedule of Items (Annexure I)
2. Post Award Contract Administration (Clause 7.0)
3. Submission of Bid Documents (Clause 3.0)
4. Scope of Work and SLA (Annexure VII)
5. Technical Specifications (Annexure II)
6. Acceptance Form for Participation in Reverse Auction (Annexure VI)
7. General Conditions of Contract (Annexure VIII)

#### 6 Post Award Contract Administration

##### 7.1. Special Conditions of Contract

1. After discovery of unit rates, DISCOM shall place an LOI to interested bidder(s) who shall agree to execute the work on discovered unit rates. LOI shall be valid for a period of ONE year from the date of issuance of LOI.
2. After the issuance of LOI, Business Associate needs to submit a Security Deposit of Rs. 2,50,000 /- in favour of TPCODL with validity till 31 March 2026 + 6 Months Claim Period for further empanelment in all 4 DISCOM.
3. After successful submission of Security Deposit, the BA shall be empaneled in TPCODL and a certificate of registration shall be issued to the BA basis which the BA, if interested, may get empaneled in any of the remaining three DISCOMs.
4. All the costs pertaining to ROW/or any other expenses for execution of work is included in the scope of BA. Accordingly, the BA needs to consider this cost while submitting their Price Bid.
5. TPCODL reserves the right to make changes to the scope of work with a view to optimize on the overall cost to TPCODL. BA shall fully cooperate with TPCODL in making such changes with an aim for overall cost optimization. The revised charges for Contract shall be jointly agreed upon between TPCODL and BA in such case.
6. Any change in statutory taxes, duties and levies during the contract period shall be borne by DISCOM. However, in case of delay in work execution owing to reasons not attributable to DISCOM, any increase in total liability shall be passed on the Bidder,

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whereas any benefits arising owing to such statutory variation in taxes and duties shall be passed on DISCOM.

7. All the terms and conditions of DISCOM General Conditions of Contract for Service Orders shall be applicable.

### **7.2 Drawing Submission and Approval (If Applicable)**

The relevant drawings and GTPs need to be submitted by BA within two weeks of receipt of Rate Contract. In case, re-submission of drawings is required on request of TPCODL, same needs to be submitted back to TPCODL within 5 days of such request.

Wherever TPCODL specifications are not available, relevant IS/IEC to be followed. All Drawings mentioned in the Tender Specification and other required for the completeness of the tender shall be submitted. Drawing submission process shall not be deemed complete of all the requirements are not complied during the submission of the same

### **7.3 Delivery Timelines**

Business Associate shall ensure completion of Transportation, Installation, Testing, Commissioning and submission of Project Completion report as per mutually agreed timeline between DISCOM and Business Associate.

### **7.4 Warranty Period, if applicable.**

The supplier shall give Guarantee for the satisfactory functioning of the material / equipment as per specification, for a minimum period of 12 months from the last date of receipt of material in good condition at designated store for each consignment. The bidder shall be liable to undertake the replacement or rectify defects of the material failed during the guarantee period at his own cost within mutually agreed timeframe.

### **7.5 Payment Terms**

Payment to be made within 21 Days after the successful submission of Project Completion report.

### **7.6 Climate Change**

Significant quantities of waste are generated during the execution of project and an integrated approach for effective handling, storage, transportation and disposal of the same shall be adopted. This would ensure the minimization of environmental and social impact in order to combat the climate change. Please refer attached Environment Policy and Sustainability Policy, Annexure-XI for more details.

### **7.7 Ethics**

TPCODL is an ethical organization and as a policy, TPCODL lays emphasis on ethical practices across its entire domain. Bidder should ensure that they should abide by all the ethical norms and in no form either directly or indirectly be involved in unethical practice.

TPCODL work practices are governed by the Tata Code of Conduct which emphasizes on the following:

- We shall select our suppliers and service providers fairly and transparently.
- We seek to work with suppliers and service providers who can demonstrate that they share similar values. We expect them to adopt ethical standards comparable to our own.
- Our suppliers and service providers shall represent our company only with duly authorized written permission from our company. They are expected to abide by the Code in their

interactions with, and on behalf of us, including respecting the confidentiality of information shared with them.

- We shall ensure that any gifts or hospitality received from, or given to, our suppliers or service providers comply with our company's gifts and hospitality policy.
- We respect our obligations on the use of third party intellectual property and data.

Bidder is advised to refer Tata Code of Conduct (TCOC) attached at Annexure X for more information.

Any ethical concerns with respect to this tender can be reported to Chief Ethics Counselor to the following e-mail ID: Chief Ethics Counselor [Ethics@tpcentralodisha.com](mailto:Ethics@tpcentralodisha.com)

## **8 Specification and standards**

As per Annexure.

## **9 General Condition of Contract**

Any condition not mentioned above shall be applicable as per GCC attached along with this tender.

## **10 Safety**

All jobs are this tender have to be executed strictly in compliance to the Safety terms and Conditions of TP Central Odisha Distribution Limited. Please refer attached Safety terms and conditions, Annexure-IX, for details. Violation of Safety norms will result in Penalty as mentioned in the above document.

**ANNEXURE I**  
**SCHEDULE FOR ITEMS**

| S. No. | Item Description                                                                                                                                                                                                                | UOM      | Unit Price<br>Rs. | GST<br>Rs. | All Incl.<br>Unit Rate<br>Rs. |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|------------|-------------------------------|
|        |                                                                                                                                                                                                                                 |          | A                 | B          | C=A+B                         |
| 1      | <b>ITC of Solar Panel (1 KWh)</b><br>Including handling of concrete ballast, Panel ,<br>Module & installation at customer site)                                                                                                 | Each     |                   |            |                               |
| 2      | <b>Transportation</b><br>(including/Loading/Unloading/Stacking etc.)<br>of Panel & associated material to Site /Store<br>(LP Truck 1512 LPT or equivalent with GVW<br>16020 kg and net loading capacity 10 ton<br>(with Driver) |          |                   |            |                               |
| 2a.    | Upto 50 KMs (To & Fro)                                                                                                                                                                                                          | Per Trip |                   |            |                               |
| 2b.    | Upto 100 KM (To & Fro)                                                                                                                                                                                                          | Per Trip |                   |            |                               |
| 2c.    | Upto 150 KM (To & Fro)                                                                                                                                                                                                          | Per Trip |                   |            |                               |
| 2d.    | more than 150 KMs (To & Fro)                                                                                                                                                                                                    | Per Trip |                   |            |                               |
| 3      | <b>Transportation</b><br>(including/Loading/Unloading/Stacking etc.)<br>of Panel & associated material to Consumer<br>site (Tata Ace (1.6 Ton)) (With Driver)                                                                   |          |                   |            |                               |
| 3a.    | Upto 50 KMs (To & Fro)                                                                                                                                                                                                          | Per Trip |                   |            |                               |
| 3b.    | Upto 100 KM (To & Fro)                                                                                                                                                                                                          | Per Trip |                   |            |                               |
| 3c.    | Upto 150 KM (To & Fro)                                                                                                                                                                                                          | Per Trip |                   |            |                               |
| 3d.    | more than 150 KMs (To & Fro)                                                                                                                                                                                                    | Per Trip |                   |            |                               |
| 4      | Door to Door Survey:<br>Locating the customer, verification of<br>electricity bill, assessment of rooftop,<br>approach to roof, collection of<br>application/consent letter, submission of<br>section wise consolidated report  | Each     |                   |            |                               |
| 5      | Hiring of TRX Crane for loading/ unloading (If<br>Required)                                                                                                                                                                     |          |                   |            |                               |
| 5a     | Per Hour                                                                                                                                                                                                                        | Each     |                   |            |                               |
| 5b     | Half Day (4 Hrs)                                                                                                                                                                                                                | Each     |                   |            |                               |
| 5c     | Full Day (8 Hrs)                                                                                                                                                                                                                | Each     |                   |            |                               |

**Signature & Seal of the Bidder**

**NOTE:**

- The bidders are advised to quote prices strictly in the format attached.
- The bidder must fill each and every column of the format attached. ***Mentioning “extra/inclusive” in any of the column may lead for rejection of the price bid.***
- No cutting/ overwriting in the prices is permissible.
- The unit price should be exclusive of taxes & duties which are to be indicated in separate columns meant for the purpose.
- The bids will be evaluated commercially on “**all-inclusive line item-wise lowest unit rate**”
- The prices shall be FOR DISCOM Locations.
- All the costs pertaining to ROW/or any other expenses for execution of work is included in the scope of BA. Accordingly, the BA needs to consider this cost while submitting their Price Bid.

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**ANNEXURE II**  
**TECHNICAL SPECIFICATIONS**

Not Applicable

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**ANNEXURE III**

**SCHEDULE OF DEVIATIONS**

*Bidders are advised to refrain from taking any deviations on this TENDER. Still in case of any deviations, all such deviations from this tender document shall be set out by the Bidders, Clause by Clause in this schedule and submit the same as a part of the **Technical Bid**.*

*Unless specifically mentioned in this schedule, the tender shall be deemed to confirm the TPCODL's specifications:*

| S. No. | Clause No. | Tender Clause Details | Details of deviation with justifications |
|--------|------------|-----------------------|------------------------------------------|
|        |            |                       |                                          |
|        |            |                       |                                          |
|        |            |                       |                                          |
|        |            |                       |                                          |

*By signing this document we hereby withdraw all the deviations whatsoever taken anywhere in this bid document and comply to all the terms and conditions, technical specifications, scope of work etc. as mentioned in the standard document except those as mentioned above.*

**Seal of the Bidder:**

**Signature:**

**Name:**

# **ANNEXURE IV**

## **SCHEDULE OF COMMERCIAL SPECIFICATIONS**

***(The bidders shall mandatorily fill in this schedule and enclose it with the offer Part I: Technical Bid. In the absence of all these details, the offer may not be acceptable.)***

| S. No. | Particulars                                                                                                             | Remarks                                       |
|--------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 1.     | Prices firm or subject to variation<br>(If variable indicate the price variation clause with the ceiling if applicable) | Firm / Variable                               |
| 1a.    | If variable price variation on clause given                                                                             | Yes / No                                      |
| 1b.    | Ceiling                                                                                                                 | ----- %                                       |
| 1c.    | Inclusive of GST                                                                                                        | Yes / No (If Yes, indicate % rate)            |
| 1d.    | Inclusive of transit insurance                                                                                          | Yes / No                                      |
| 2.     | Delivery                                                                                                                | Weeks / months                                |
| 3.     | Guarantee clause acceptable                                                                                             | Yes / No                                      |
| 4.     | Terms of payment acceptable                                                                                             | Yes / No                                      |
| 5.     | Performance Bank Guarantee acceptable                                                                                   | Yes / No                                      |
| 6.     | Liquidated damages clause acceptable                                                                                    | Yes / No                                      |
| 7.     | Validity (180 days)<br>(From the date of opening of bid)                                                                | Yes / No                                      |
| 8.     | Inspection during stage of manufacture                                                                                  | Yes / No                                      |
| 9.     | Rebate for increased quantity                                                                                           | Yes / No (If Yes, indicate value)             |
| 10.    | Change in price for reduced quantity                                                                                    | Yes / No (If Yes, indicate value)             |
| 11.    | Covered under Small Scale and Ancillary Industrial Undertaking Act 1992                                                 | Yes / No<br>(If Yes, indicate, SSI Reg'n No.) |

***Seal of the Bidder:***

***Signature:***

***Name:***

### ANNEXURE V

#### CHECKLIST OF ALL THE DOCUMENTS TO BE SUBMITTED WITH THE BID

Bidder has to mandatorily fill in the checklist mentioned below:-

| S. No. | Documents attached                                                                                                | Yes / No / Not Applicable |
|--------|-------------------------------------------------------------------------------------------------------------------|---------------------------|
| 1      | EMD of required value                                                                                             |                           |
| 2      | Tender Fee as mentioned in this tender                                                                            |                           |
| 3      | Signed copy of this tender as an unconditional acceptance                                                         |                           |
| 5      | Duly filled schedule of commercial specifications (Annexure IV)                                                   |                           |
| 6      | Sheet of commercial/technical deviation if any (Annexure III)                                                     |                           |
| 7      | Balance sheet for the last completed three financial years; mandatorily enclosing Profit & loss account statement |                           |
| 8      | Acknowledgement for Testing facilities if available (duly mentioned on bidder letter head)                        |                           |
| 9      | List of Machine/tools with updated calibration certificates if applicable                                         |                           |
| 10     | Details of order copy (duly mentioned on bidder letter head)                                                      |                           |
| 11     | Order copies as a proof of quantity executed                                                                      |                           |
| 12     | Details of Type Tests if applicable (duly mentioned on bidder letter head)                                        |                           |
| 13     | All the relevant Type test certificates as per relevant IS/IEC (CPRI/ERDA/other certified agency) if applicable   |                           |
| 14     | Project/supply Completion certificates                                                                            |                           |
| 15     | Performance certificates                                                                                          |                           |
| 16     | Client Testimonial/Performance Certificates                                                                       |                           |
| 17     | Credit rating/solvency certificate                                                                                |                           |
| 18     | Undertaking regarding non blacklisting (On company letter head)                                                   |                           |
| 19     | List of trained/untrained Manpower                                                                                |                           |

**Seal of the Bidder:**

**Signature:**

**Name**

**ANNEXURE VI****ACCEPTANCE FORM FOR PARTICIPATION IN REVERSE AUCTION EVENT**

*(To be signed and stamped by the bidder)*

In a bid to make our entire procurement process more fair and transparent, TPCODL intends to use the reverse auctions as an integral part of the entire tendering process. All the bidders who are found as technically qualified based on the tender requirements shall be eligible to participate in the reverse auction event.

**The following terms and conditions are deemed as accepted by the bidder on participation in the bid event:**

1. TPCODL shall provide the user id and password to the authorized representative of the bidder. *(Authorization Letter in lieu of the same shall be submitted along with the signed and stamped Acceptance Form).*
2. TPCODL will make every effort to make the bid process transparent. However, the award decision by TPCODL would be final and binding on the supplier.
3. The bidder agrees to non-disclosure of trade information regarding the purchase, identity of TPCODL, bid process, bid technology, bid documentation and bid details.
4. The bidder is advised to understand the auto bid process to safeguard themselves against any possibility of non-participation in the auction event.
5. In case of bidding through Internet medium, bidders are further advised to ensure availability of the entire infrastructure as required at their end to participate in the auction event. Inability to bid due to telephone line glitch, internet response issues, software or hardware hangs, power failure or any other reason shall not be the responsibility of TPCODL.
6. In case of intranet medium, TPCODL shall provide the infrastructure to bidders. Further, TPCODL has sole discretion to extend or restart the auction event in case of any glitches in infrastructure observed which has restricted the bidders to submit the bids to ensure fair & transparent competitive bidding. In case of an auction event is restarted, the best bid as already available in the system shall become the start price for the new auction.
7. In case the bidder fails to participate in the auction event due any reason whatsoever, it shall be presumed that the bidder has no further discounts to offer and the initial bid as submitted by the bidder as a part of the tender shall be considered as the bidder's final no regret offer. Any offline price bids received from a bidder in lieu of non-participation in the auction event shall be out-rightly rejected by TPCODL.
8. The bidder shall be prepared with competitive price quotes on the day of the bidding event.
9. The prices as quoted by the bidder during the auction event shall be inclusive of all the applicable taxes, duties and levies and shall be FOR at TPCODL site.
10. The prices submitted by a bidder during the auction event shall be binding on the bidder.
11. No requests for time extension of auction event shall be considered by TPCODL.
12. The original price bids of the bidders shall be reduced on pro-rata basis against each line item based on the final all-inclusive prices offered during conclusion of the auction event for arriving at Contract amount.

**Signature & Seal of the Bidder**

**ANNEXURE VII**  
**SCOPE OF WORK**

Request for Quotation for Transportation, Erection, Testing and Commissioning of Grid-Connected Rooftop Solar Plant of 1 KWp Capacity for identified Households in the Service area of TP DISCOMs Odisha.

Odisha DISCOM has received a target of Erection, Testing and Commissioning of Grid-Connected Rooftop Solar Plant of 1 KWp Capacity for **3 Lacs Households** in the Service area of TP DISCOMs Odisha till March'26.

**Scope of Work:**

The Scope of work includes the Empanelment of Business Associates through tendering for Providing Logistics and ITC Services of 1KW TPREL Panel and Installation Kit for each Households. The Panel and Installation Kit shall be provided by TP Odisha DISCOMs at their designated warehouses in Odisha.

The BA has to load the Panels and Installation Kit from designated warehouse and transfer it to their warehouse / Consumer Site (if Nearby). The BA then needs to ensure that the installation, testing and commissioning of the Panels with Kit has to be completed within the due timeline:

Following activities to be executed by the empaneled BA:

- Designing and Marking: Field Feasibility. The first step is doing survey, designing and marking on the rooftop.
- Module Mounting Structure Installation: Installation of concrete ballast and Panel Module.
- Cabling: The solar modules are connected in series with DC cables to the inverter, and with AC cables from the inverter to the evacuation point.
- Inverter Connection: Once the installation is complete, the inverter is charged..
- Net Metering and Grid Synchronization: Completion of Net Metering Process. It begins synchronizing solar power with the customer's existing electrical grid
- Project Completion Report: The BA needs to complete the documentation process.

**Insurance:**

Before commencement of work, the Empaneled Vendor shall also take insurance for Third Party Liability covering loss of human life, engineers and workmen and also covering the risks of damage to the third party/material/equipment/properties during execution of the Contract. The Empaneled Vendor will ensure that all its employees and representatives are covered by suitable insurance against any damage, loss, injury or death arising out of the execution of the work or in carrying out the Contract. Liquidation, Death, Bankruptcy etc., shall be the responsibility of bidder.

**Security Deposit:**

Before commencement of work, the Empaneled Vendor shall submit the Security Deposit of Rs. 2.50 Lacs against the free issue material. Additional quantity shall only be issued on submission of completion report of previously issued material.

**ANNEXURE VIIa****PREFERENTIAL NORMS FOR PROCUREMENT FROM MSMEs REGISTERED IN THE STATE OF ODISHA****1. Tender Fees**

To participate in the tender, MSMEs registered in the State of Odisha shall pay Rs.1,000/- including GST towards cost of tender paper.

**2. Earnest Money Deposit (EMD)**

EMD shall be exempted for MSME registered in the State of Odisha. However, Bidder shall be barred to participate in the tendering process for a period of 2 years in case it backs out post award of the contract.

**3. Qualification Requirement for Open Tenders**

Qualification Requirement of Financial Turnover for MSME registered in the State of Odisha shall be reduced to 20% of the existing criteria.

For past experience, instead of relying on the volumes / value of earlier Supplies / Projects, assessment of the Bidder shall be done on the basis of feedback from Customers. Past performance experience at Tata Power and its Group Companies shall supersede feedback from other Customers.

**4. Reservation for MSME**

It shall be mandatory to procure at least 20% of the total volume of the procurement from MSME registered in the State of Odisha (however, it shall not apply where goods/services are not available with the MSME), subject to matching L1 discovered prices and meeting technical specifications including quality requirements.

**5. Performance Bank Guarantees**

Performance Bank Guarantee for MSME registered in the State of Odisha shall be 25% of the value normally prescribed.



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**ANNEXURE VIII**  
**GENERAL CONDITIONS OF CONTRACT**

**Attached:** General Conditions of Contract for Composite Orders

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**ANNEXURE IX****SAFETY POLICY AND SAFETY TERMS AND CONDITIONS****1. Objective**

The Tata Power engages contractor workforce to execute, run and maintain various operating sites and facilities across locations for various business verticals including Generation, Transmission, Distribution and Renewable. The activities range from project execution, operation, maintenance to facilities management.

The management of contractor safety represents a significant challenge for management. Tata Power has a responsibility to ensure that contractors are provided with enough information and support to enable them to conduct their roles safely and without endangering health and safety of their own workforce or that of our staff.

To ensure reduction in reportable injuries and achieve goal of zero accidents, first edition of contractor safety code of conduct was launched successfully in the year 2014. Since last four years after the launch of CSCC, Tata Power could achieve the objective of reduction in reportable injuries and fatalities.

Over the period, as the system was being matured, a need was felt to make second revision of the CSCC process. Objective of second revision is improve existing CSCC system and make it user friendly.

- 2. Scope:** This procedure applies to all operating and project sites of The Tata Power Company Ltd and Group companies including new businesses like EV charging, Home Automation etc.

**3. Definitions**

- 3.1. Order Manager:** Order Manager is the Tata Power representative, who has the ownership of the given job.
- 3.2. Site Safety Management Plan:** It is the safety plan agreed between Contractor and Tata Power. It will contain the entire job specific safety requirement and will be signed by the contractor.
- 3.3. Contractor:** An individual or a company that provides services to Tata Power under a signed contract.
- 3.4. Emergency:** a serious, unexpected or dangerous situation requiring immediate action, which may result in loss of revenue/property, business discontinuity. In case of Emergency\*, services may be procured by selecting the qualified vendor based on the vendor category without the safety bid evaluation. It must be approved by MB level and above.
- 3.5. Expert Service jobs:** Jobs which needs expert services of contractor which does not involve direct exposure to the potential risk or work which involves only supervisory work such as expert for turbine overhaul, expert for boiler overhaul, expert for pump and motor, expert for compressor overhaul.

- 3.6. Head of the Division:** Business in charge of the division who is overall custodian of the generating station or transmission division or distribution division.
- 3.7. Category A Vendor:** Vendor eligible to carry out Very High & High risk (as per Tata Power Hazard Identification and Risk Analysis Procedure) and /or Long-Term Contract related to operation and maintenance (O&M) of plant. Vendors must fulfil the requirement specified for Category A in Appendix 12-CSMF-5 of this document.
- 3.8. Category B Vendor:** Vendors eligible to carry out technical jobs, that are classified under Medium /low risk. Vendors must fulfil the requirement specified for Category B in Appendix 12-CSMF-5 of this document.
- 3.9. Category C Vendor:** Vendors eligible for to carry out low or very low risk administrative and office jobs. For this he must fulfil the requirement specified for Category C in Appendix 12-CSMF-5 of this document.
- 3.10. Category D Vendor:** All Consultants, Medical Practitioners or vendors taking job from Tata Power and working from their own premises (e.g. motor rewinding at vendor's shop floor, equipment sent for repair to vendor's works etc.) are classified as Category D Vendor
- 3.11. High Risk Jobs:** A Job or its activities are considered as Very High or High Risk when Order manager apply the "Tata Power Hazard Identification and Risk Analysis" procedure and found safety risk associated with are under Very High or High category. Indicative lists of jobs are given in appendix 15 of this document.
- 3.12. Medium Risk Jobs:** Jobs or its activities are considered as medium risk when Order manager apply "Tata Power Hazard Identification and Risk Analysis" procedure and found the same as Medium Risk.
- 3.13. Low Risk Jobs:** Any job or its activities are considered as Low or Very low risk while Order manager, calculate it by applying "Tata Power Hazard Identification and Risk Analysis" procedure and found it under Low or Very Low category.
- 3.14. Long Duration Jobs:** When the duration of job is 12 months or more, it is considered as Long duration job
- 3.15. High Value Jobs:** When the value of the job contract is Rs. One Crore or more it will be considered as High value job.

## 4. Responsibilities

- 4.1 Order Manager:** Order Manager is the Tata Power representative, who is responsible for:

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- 4.1.1 Finalizing the Site Safety Management Plan along with Contractor, Safety Concurrences Group, Divisional Safety Head and Expert (External or Internal) if required.
- 4.1.2 Supervise and ensure work is carried out as per the Site Safety Management Plan including agreed Risk Assessment (HIRA/JSA) and Method Statement.
- 4.1.3 Conduct audit and evaluate Safety Performance of contractor.
- 4.1.4 Ensure contractors adhere to all statutory provisions.
- 4.1.5 In case any deviation is needed in agreed safety management plan or in CSCC process for execution of job, Management of Change procedure will be applicable, and approval may be obtained from divisional head /Cluster head.

**4.2 Contractor:** The person, entity or organisation who is executing the job for Tata Power under a contractual agreement and will be responsible for the following

- 4.2.1 To follow all Tata Power Critical Safety Procedure, Rules and guidelines given in Safety Terms and Conditions
- 4.2.2 Undertake job as per [Site Safety Management Plan CSM-F10](#) and method statements agreed with Tata Power.
- 4.2.3 Raise any concerns with regard to their work and its safety with the Tata Power Order Manager.
- 4.2.4 Report all injuries, near misses, unsafe acts/conditions, and occurrences to the Tata Power Order Manager immediately.
- 4.2.5 Ensure that all sub-contractors follow the Tata Power Safety Procedure and agreed [Site Safety Management Plan CSM-F10](#).
- 4.2.6 To follow all statutory requirements as per the laws of the land.
- 4.2.7 All vendors applying for A category jobs or submitting quote for high risk jobs shall obtain certificates of ISO 9001, ISO14001 and ISO45001 before submitting quote for high risk Jobs.

**4.3 Safety Concurrence Group:** It is Cross Functional Team constituted by Corporate Safety Team, which will have representatives from Execution department, Divisional safety and Corporate / Divisional contracts. SCG will be responsible for the following

- 4.3.1 Assessment of Safety Potential of new vendor before registration as per [CSM-F1- Safety Category Qualification Form](#).
- 4.3.2 Safety Evaluation of the bids as per evaluation format [CSM-F-9 Safety Bid Evaluation Criteria](#)
- 4.3.3 Finalization of the Site Safety Management Plan CSM-F-10 submitted by the contractor.
- 4.3.4 Corporate Safety Team / Cluster Safety Head will be part of SCG during Safety Bid Evaluation for following types of jobs
  - 4.3.4.1 High-Risk jobs to be carried out in Annual Overhaul / Major Shutdowns and Outages.
  - 4.3.4.2 Capex jobs of High-Risk Category

## **5.1 Vendor Registration**

For Vendor Registration, Corporate Contract will issue following documents for evaluation of contractor's safety capability

- 1) [CSM-F1 –Safety Category Qualification Form](#)

## 2) [Safety Terms and Conditions](#)

The document [Safety Terms and Conditions](#) provides the information about Tata Power safety System to the contractor. Contractor will submit the [CSM-F1- Safety Category Qualification Form](#) with all relevant details and documents to Vendor Registration Initiator, which will in turn forward it to Safety Concurrence Group (SCG) for evaluation. The SCG will evaluate the details submitted by the contractor based on a predetermined criteria [CSM-F-5 Safety Potential Evaluation Criteria](#) for Vendor Registration and will determine the category (Category A/B/C/D) for which the contractor will be registered. As mentioned in the above criteria, a site visit may also be organized by SCG prior to registration under Category A and B. In case, the contractor does not qualify the safety criteria, the contractor will not be registered. However, he may apply afresh for registration after 6 months. Please refer [Appendix 1: Process Flow Chart for Vendor Registration](#).

## 5.2 Bid evaluation

At the time of placing the Purchase Requisition (PR), Order Manager is required to declare the risk involved in the of the job (i.e. High Risk / Medium Risk / Low Risk jobs, based on the RPN in HIRA. If the Job is “High Risk” or “Long Duration”, then RFQ will be attached with following documents:

- 1) [CSM-F7- Blank Safety Competency Form](#)
- 2) [CSM-F8 PPE requirements](#)
- 3) [Safety Terms and Conditions](#)
- 4) [Job Specific Safety Requirement \(Educational and Professional Qualification, Skill & Experience Manpower, Tools and Tackles \(e.g. man lifter, use of drone, use & availability of rescue kit\), Work Methodology etc.\)](#)

Otherwise the RFQ will be attached only with [Safety Terms and Conditions](#). Long term and low value jobs (see definition) are exempted from the CSCC process.

Corporate Contracts will collect duly filled [CSM-F7 Safety Competency Form](#) along with the bid. All other stakeholders will also put their efforts to get all relevant safety data during meeting / discussions with the vendor. SCG will evaluate the document as per the [CSM-F9 Safety bid evaluation criteria](#). If any specific condition related to Contract is required to convey to contractor, Site safety team will attach the same as Annexure for specific conditions of job and submit it to contract team along with safety bid evaluation form. Commercial bid of contractor will be considered for evaluation by contract team only if contractor is qualified in safety bid. Site Safety Management Plan, defining the complete procedure of executing the job at site will be signed by the contractor and SCG after mutual agreement. CC will attach a copy of site safety Management Plan and any specific condition of contract along with PO to the successful bidder. Please refer [Appendix 6: Process Flow Chart for issuing RFQ and PO significant health and safety risk associated with it](#).

## 5.3 Safety Performance Evaluation

During the time of job execution, regular site inspection will be carried out by the Tata Power officials and violations will be dealt as per [CSM-F4 Safety Violation Penalty Criteria](#). Apart from this, monthly safety performance of the contractor will be evaluated based on the

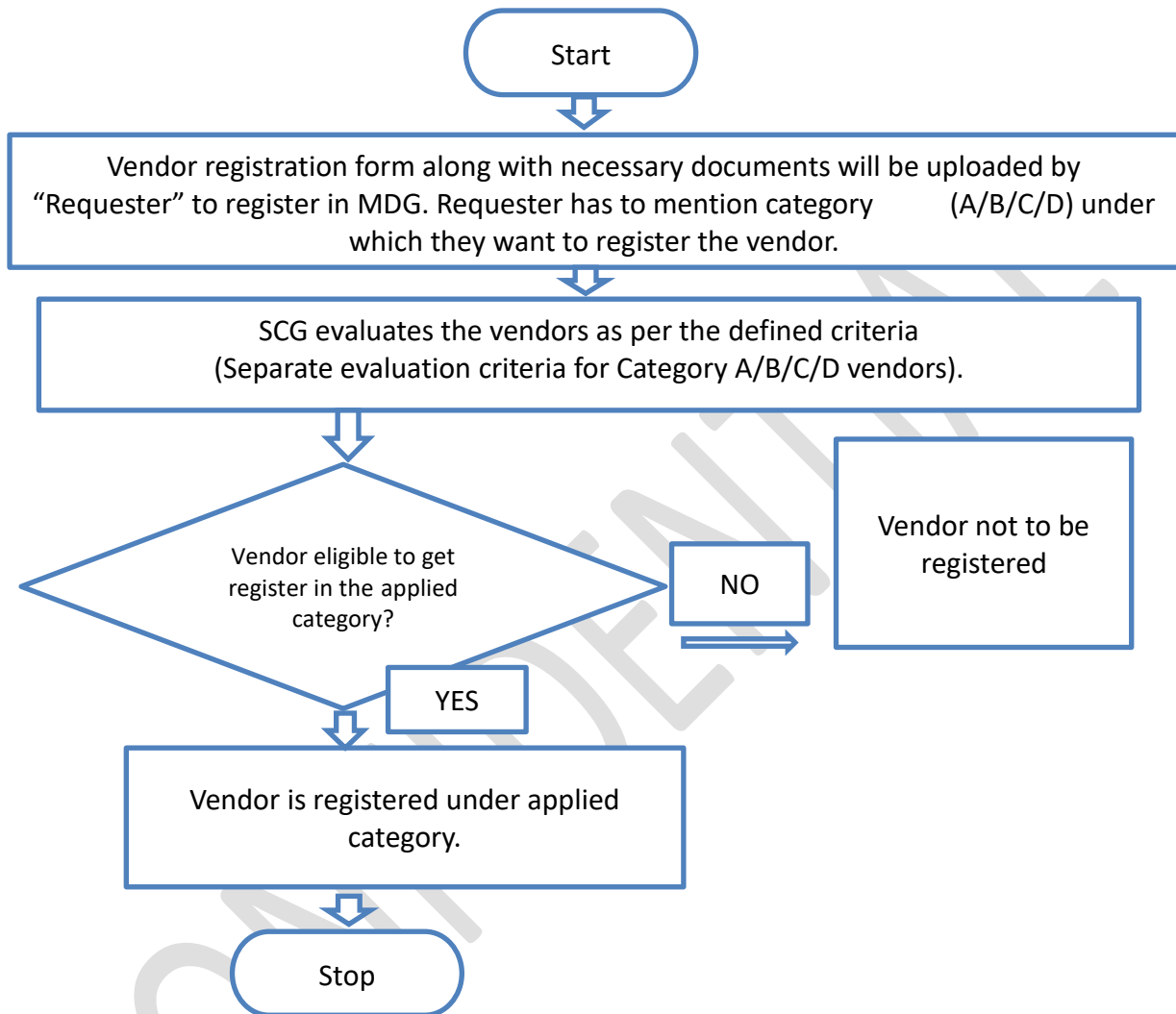


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predetermined criteria as per [CSM-F11 safety Performance Score](#) and monthly score will be maintained by the Order Manager. Certain percentage of each running bill will be retained as Safety Retention amount and will be released on the basis of Safety Performance Score at certain intervals as defined in [CSM- F-3- Safety Performance Evaluation Criteria](#). Please refer [Appendix 10: Process Flow Chart for Safety Performance Evaluation](#). Percentage of retention amount is mentioned in safety terms and conditions.

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## Appendix 1: Process Flow Chart for Vendor Registration



## Appendix 2: CSM-F-1 Safety Category Qualification form

1. “**Safety Category Qualification Form**” is part of vendor registration form. It needs to be filled by the contractor at the time of Registration and should be submitted to Requester / order manager with all relevant documents.
2. The same will be evaluated by Safety Concurrence Group of the Division (SCG) as per the criteria given in CSM-F-5.
3. Information provided by contractor will be verified during site visit.

### Safety Category Qualification Form

**Please consider my application for**

**Category A Vendor:** Vendor eligible to carry out Very High- and High-risk O&M jobs

**Category B Vendor:** Vendors eligible to carry out technical jobs, classified as Medium / low risk

**Category C Vendor:** Vendors eligible for to carry out low or very low risk administrative and office jobs

**Category D vendor:** All Consultants, Medical Practitioners or vendors taking job from Tata Power and working from their own premises.

| Name of the Vendor: |                                                                                                                                                                                |                                  |                                                          |                     |        |        |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------|---------------------|--------|--------|
| Sr. No              | Safety Information                                                                                                                                                             | Remarks                          | Attachment                                               |                     |        |        |
| 1                   | Certified for<br>i. OHSAS 18001/ ISO 45001,<br>ii. ISO: 14001<br>iii. ISO: 9001<br>(ISO certificates to be issued from reputed accreditation agencies specified by Tata Power) | i. Y/ N<br>ii. Y/ N<br>iii. Y/ N | Attach copy of the certification                         |                     |        |        |
| 2                   | Safety Statistics for Last Three (3) Years<br>- LTIFR<br>- LTISR                                                                                                               | Yes/No                           |                                                          | Year 1<br>(Last FY) | Year 2 | Year 3 |
|                     |                                                                                                                                                                                |                                  | LTIFR                                                    |                     |        |        |
|                     |                                                                                                                                                                                |                                  | LTISR                                                    |                     |        |        |
| 3                   | Do you have Safety Policy?                                                                                                                                                     | Yes/No                           | Attach copy of the safety policy.                        |                     |        |        |
| 4                   | Do you have Safety training process?                                                                                                                                           | Yes/No                           | Attach safety training process.                          |                     |        |        |
| 5                   | Do you have Safety organization structure e.g. Safety Officers and Safety Committees?                                                                                          | Yes/No                           | Attach copy of the safety organization structure.        |                     |        |        |
| 6                   | Name and address of sites where work is in progress or worked earlier                                                                                                          | Yes/No                           | Site details to be attached for inspection by Officials. |                     |        |        |

Signature :  
 Name and Designation :  
 Stamp of Organization :

### Appendix 3: Safety Terms and Conditions

Please refer the attached document [Safety Terms and Conditions](#).

### Appendix 4: CSM- F-3- Safety Performance Evaluation Criteria

1. A certain percentage of the bill value will be retained against every running bill as safety performance retention. The amount will be released with the last invoice or every six-month based on Safety Performance Score of contractors. The retention amount will be calculated based on contract value as below.

| Contract Value | Retention Amount (%) |
|----------------|----------------------|
| Up to 10 Lakhs | 2.5                  |
| 10 – 50 lakhs  | 2                    |
| 0.5 to 10 Cr   | 1.5                  |
| >10 Cr         | 1                    |

2. The evaluation criteria include Lead Indicators such as CFSA (Contractor Field safety Audit) score, percentage of workers trained in TPSDI, inspection of critical equipment. Lag indicators such as Fatalities, LWDC and man days lost.
3. The retention amount saved will go to a separate Safety Improvement Fund.
4. For the contract value of more than Rs 1 Cr or contract duration more than 12 months, the retention amount shall be released half yearly based on safety performance. For all remaining contracts, the retention amount will be released with the final bill.
5. Long term jobs with low value (Less than Rs. 1 Cr.) are exempted from the safety retention. Invoice of these type of jobs can be cleared without safety retention.
6. In case of job stoppage due to safety violations / unsafe observations at the site, no time extension shall be given to the contractor, if such delays are attributable to contractor.
7. In case of fatality, limb loss or loss of property, vendor must pay for liability, legal, statutory and additional mutually agreed settlement charges imposed by the appointed committee. This charge is over and above the retention amount.
8. The committee will finalize an amount between 5 -50 lakhs based on factors such as advise by statutory authorities, contract value and impact of accident etc.
9. Safety performance bonus 1% (limiting to 50 lakhs) of the invoice value will be considered at the end of the job if the contractual safety performance score 100%.
10. During the progress of the work, concerned Supervisor/Engineer will visit and inspect the work site regularly and evaluate the safety performance of the contractor based on matrix attached herewith and apply the Consequence management policy as applicable.
11. Order Manager, divisional chief and SBU head have the authority to terminate the contract in case of three consecutive serious violations.

### Safety Performance Evaluation report- CSM-F-3

|   | <b><u>Lead Indicators</u></b>                                                                                                                      | <b>Unit Of measurement</b>     | <b>Target</b> | <b>weight age</b> |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|-------------------|
| 1 | % of Employee certified in TPSDI/Authorized agency                                                                                                 | %                              | 50%           | 10                |
| 2 | CFSA score (Annexure 6.1)                                                                                                                          | Average Severity of Violations | 1.49          | 20                |
| 3 | Monthly inspection completed by contractor for Critical Equipment, lifting Tools & Tackles and hand tools used at site as per Tata Power Checklist | %                              | 80            | 5                 |
| 4 | Revalidation of Condition of tools, tackles and equipment by Order Manger.                                                                         | %                              | 100           | 15                |
|   | <b><u>Lag Indicators</u></b>                                                                                                                       |                                |               |                   |
| 1 | Number of Fatalities                                                                                                                               | No.                            | 0             | 30                |
| 2 | Number of Lost workday case (LWDC)                                                                                                                 | No.                            | 0             | 10                |
| 3 | Man-days Lost                                                                                                                                      | No.                            | 0             | 10                |

## Appendix 5: CSM- F-4 Safety Violation Penalty Criteria

Penalty shall be imposed on the contractors under the following circumstances for breaching the contractual agreements:

| S No | Description of violation                                                      | Severit | Penalty |
|------|-------------------------------------------------------------------------------|---------|---------|
| 1.   | Working without Permit                                                        | 5       | 5000/-  |
| 2.   | Untrained (TPSDI) worker on high-risk jobs.                                   | 5       | 5000/-  |
| 3.   | Unhygienic/Bad condition of PPE                                               | 2       | 250/-   |
| 4.   | Not following Tata Power Procedure & Standard                                 | 4       | 2000/-  |
| 5.   | Unsafe Act/Condition of Severity 4                                            | 4       | 2000/-  |
| 6.   | Unsafe Act/Condition of Severity 5                                            | 5       | 5000/-  |
| 7.   | No Earthing of Electrical equipment                                           | 5       | 5000/-  |
| 8.   | Damaged welding cable                                                         | 5       | 5000/-  |
| 9.   | Violation of Positive Isolation Procedure (LOTO Not followed)                 | 5       | 5000/-  |
| 10.  | ELCB of more than 30 mA/ELCB not working                                      | 5       | 5000/-  |
| 11.  | On/Off switch of welding m/c not working                                      | 5       | 5000/-  |
| 12.  | Electric cable tied with metal wire                                           | 5       | 5000/-  |
| 13.  | Leakage found DA hose / cylinder                                              | 5       | 5000/-  |
| 14.  | Use of LPG                                                                    | 5       | 5000/-  |
| 15.  | Use of IC engine based Three-wheeler at the work site.                        | 5       | 5000/-  |
| 16.  | Starting the job without Toolbox Talk                                         | 5       | 5000/-  |
| 17.  | Spatter falling on DA hose / Gas-line/ pathways / Equipment                   | 5       | 5000/-  |
| 18.  | No safety latch in crane hook                                                 | 5       | 5000/-  |
| 19.  | Load raised or swung over people or occupied areas of buildings               | 5       | 5000/-  |
| 20.  | Persons standing in swing area of construction equipment.                     | 5       | 5000/-  |
| 21.  | Using damaged slings.                                                         | 5       | 5000/-  |
| 22.  | Unstable scaffolding/nonstandard Scaffolding in use                           | 5       | 5000/-  |
| 23.  | Handrails and mid-rails are missing                                           | 5       | 5000/-  |
| 24.  | Safety Harness not anchored with lifeline/fixed structure                     | 5       | 5000/-  |
| 25.  | Fall arrestor not provided/ Not being used.                                   | 5       | 5000/-  |
| 26.  | Double lifeline not used for working at height                                | 5       | 5000/-  |
| 27.  | No rubber mat in Electrical Distribution (DB) room                            | 4       | 2000/-  |
| 28.  | Water found accumulated in Electrical Distribution room/near welding machine. | 4       | 2000/-  |
| 29.  | Inserting electric cables into socket, without using plug.                    | 4       | 2000/-  |
| 30.  | Use of damaged electrical cable/two core cables.                              | 4       | 2000/-  |
| 31.  | Inflammable material found in Distribution Room / welding areas.              | 4       | 2000/-  |
| 32.  | Loose material falling into excavated pit                                     | 4       | 2000/-  |
| 33.  | Water logging into excavated pit /trenches                                    | 4       | 2000/-  |
| 34.  | No / inadequate Barricade                                                     | 4       | 2000/-  |
| 35.  | Undercut / cave-in found on sides of excavated pits                           | 4       | 2000/-  |
| 36.  | Grinding wheel/ Coupling/ Piling winch/other rotating parts without guard     | 4       | 2000/-  |

|     |                                                                                                                           |   |         |
|-----|---------------------------------------------------------------------------------------------------------------------------|---|---------|
| 37. | The HMV/Mobile Crane operator does not have a valid HMV driving license.                                                  | 4 | 2000/-  |
| 38. | The loading area is not leveled properly.                                                                                 | 4 | 2000/-  |
| 39. | Ladder not anchored at top                                                                                                | 4 | 2000/-  |
| 40. | Opening found in working platform of scaffolding/floor                                                                    | 4 | 2000/-  |
| 41. | Inadequate illumination at the working area                                                                               | 4 | 2000/-  |
| 42. | Loose material lying on Gantry, platform                                                                                  | 4 | 2000/-  |
| 43. | Cleaning with Compressed Air.                                                                                             | 3 | 500/-   |
| 44. | Gas Cylinders using without cap.                                                                                          | 3 | 500/-   |
| 45. | Gas Cylinders stored without securing                                                                                     | 3 | 500/-   |
| 46. | Bringing inside any other chemicals, apart from approved by Safety dept.                                                  | 3 | 500/-   |
| 47. | Using drum for sitting or accessing height.                                                                               | 3 | 500/-   |
| 48. | Misusing emergency facilities like fire hydrant line/ hose box/ spray system/ eye wash etc.                               | 3 | 500/-   |
| 49. | No provision of Safety net where falling materials or tools may occurs                                                    | 3 | 500/-   |
| 50. | Taking electrical supply from non-designated outlet (other than socket).                                                  | 3 | 500/-   |
| 51. | Restricted gangways due to unwanted materials.                                                                            | 3 | 500/-   |
| 52. | Not reporting incident.                                                                                                   | 3 | 500/-   |
| 53. | Entering into restricted area like switch yard/ hazardous storage                                                         | 3 | 500/-   |
| 54. | Work without supervision                                                                                                  | 3 | 500/-   |
| 55. | Parking of vehicle without applying wheel choke at right front-front and left rear-rear wheels other than passenger cars. | 3 | 500/-   |
| 56. | Heavy Vehicle without helper or co-driver.                                                                                | 3 | 500/-   |
| 57. | Not wearing florescent safety jacket at site.                                                                             | 3 | 500/-   |
| 58. | People travelling in load body of vehicle.                                                                                | 3 | 500/-   |
| 59. | Parking of vehicles at non designated area.                                                                               | 3 | 500/-   |
| 60. | Shifting heavy materials without guide ropes.                                                                             | 3 | 500/-   |
| 61. | Using other than 24V lamp inside the confined space/Use of other than 24V lamps.                                          | 3 | 500/-   |
| 62. | Angular loading/ lifting with Crane or hoist.                                                                             | 3 | 500/-   |
| 63. | By passing the limit switch/ Safety Interlock.                                                                            | 3 | 500/-   |
| 64. | Housekeeping activities on road without proper barricade.                                                                 | 3 | 500/-   |
| 65. | Trying to board or alit from running vehicle.                                                                             | 3 | 500/-   |
| 66. | Cylinder Valves of Gas cylinders not closed when not in use.                                                              | 3 | 500/-   |
| 67. | Flash-back arrester not used.                                                                                             | 3 | 500/-   |
| 68. | Hand Trolley wheel found damaged.                                                                                         | 3 | 500/-   |
| 69. | Guy ropes of required length on both sides of object are not used during movement with load.                              | 3 | 5/ 00/- |
| 70. | Scotch block/wedge not provided, when the vehicle is parked.                                                              | 3 | 500/-   |

|      |                                                                                                              |   |         |
|------|--------------------------------------------------------------------------------------------------------------|---|---------|
| 71.  | Suitable Trolley not provided to hold the cylinders.                                                         | 3 | 500/-   |
| 72.  | Locked First Aid box                                                                                         | 3 | 500/-   |
| 73.  | Caution boards, danger signs (luminescent /red) along with emergency contact number are not found displayed. | 3 | 500/-   |
| 74.  | Person found jumping barricading tape                                                                        | 3 | 500/-   |
| 75.  | Stacking of pipes, pile casing, drums without chock blocks/wedges                                            | 3 | 500/-   |
| 76.  | The terrain on which Heavy Equipment/Machinery moves is not reasonably hard.                                 | 3 | 500/-   |
| 77.  | Without Safety Helmet at working sites                                                                       | 4 | 250/-   |
| 78.  | Without Crash Helmet (on bikes)                                                                              | 4 | 500/-   |
| 79.  | Without Full body double lanyard Safety Harness (for work at height)                                         | 5 | 5000/-  |
| 80.  | Without Hand gloves - Material Handling, Welding, Cutting,                                                   | 4 | 100/-   |
| 81.  | Without Safety goggles/ face shield - Welding/Cutting /Grinding                                              | 5 | 5000/-  |
| 82.  | Handling Chemical without PVC Apron                                                                          | 5 | 5000/-  |
| 83.  | Smoking in prohibited area (Closed Go-downs, Storage of flammable material, Storage of Gas cylinders)        | 5 | 1000/-  |
| 84.  | Sleeping at Workplace                                                                                        | 3 | 100/-   |
| 85.  | Driving beyond speed limit                                                                                   | 3 | 1000/-  |
| 86.  | Seat Belt While Driving (for front seat passengers and driver)                                               | 3 | 500/-   |
| 87.  | Driving without license                                                                                      | 4 | 1000/-  |
| 88.  | Heavy Commercial vehicles without reverse horn                                                               | 3 | 500/-   |
| 89.  | Nonfunctional Head light/ taillight and side indicators                                                      | 3 | 100/-   |
| 90.  | Using Mobile Phone During Driving                                                                            | 5 | 5000/-  |
| 91.  | Poor visibility of registration number/ without registration number                                          | 3 | 100/-   |
| 92.  | Broken/ without Side view mirror                                                                             | 3 | 100/-   |
| 93.  | Over speeding above specified limit                                                                          | 3 | 500/-   |
| 94.  | Broken/ Without Pressure gauge on Oxygen/ LPG / Acetylene cylinder.                                          | 3 | 500/-   |
| 95.  | Without Flash back arrestor on Industrial Acetylene & Oxygen cylinders.                                      | 5 | 5000/-  |
| 96.  | Spillage of hazardous material/chemicals during transportation                                               | 4 | 2000/-  |
| 97.  | Electrical equipment without Earthing/ ELCB/ Double Insulation Cable.                                        | 5 | 5000/-  |
| 98.  | Lifting Tools & Tackles used without/ expired Test Certificates.                                             | 5 | 5000/-  |
| 99.  | Housekeeping repeatedly not maintained                                                                       |   |         |
| 100. | • First Time                                                                                                 | 3 | Warning |
| 101. | • Second Time                                                                                                | 4 | 1000/-  |
| 102. | • Third Time                                                                                                 | 5 | 5000/-  |

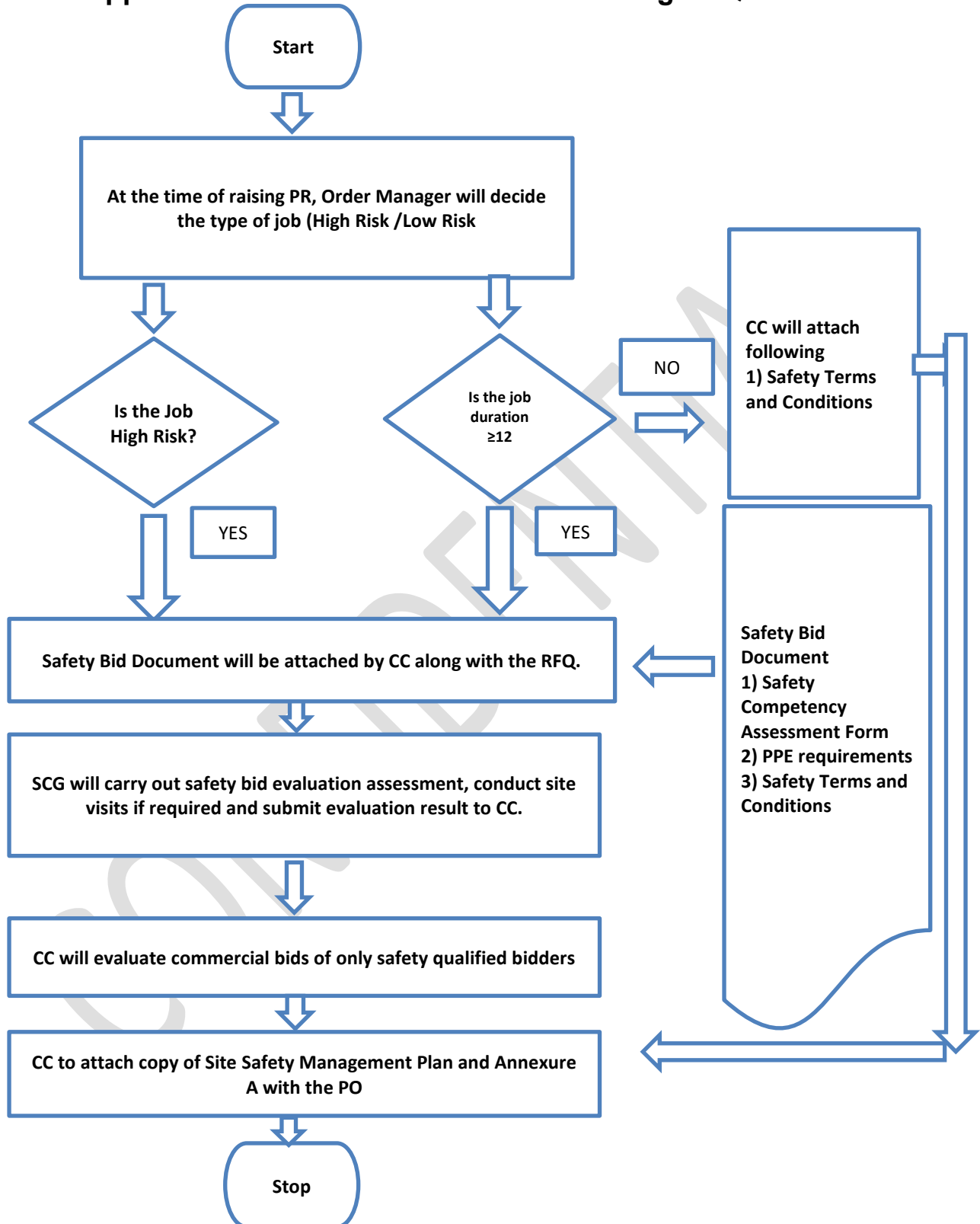


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|      |                                                                                                                                      |   |                           |
|------|--------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------|
| 103. | Serious Violation of House Keeping (after 1st or 2nd warning to be decided by Project Manager depending on the severity)             | 5 | Rs.10000/- and above      |
| 104. | Repeat Violation of same nature                                                                                                      | 5 | 5 X Penalty for Violation |
| 105. | Appointment of subcontractor without his Safety Bid Evaluation and/or without the permission of engineer in charge or Order manager. | 5 | 5% of Contract Value      |

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## Appendix 6: Process Flow Chart for issuing RFQ and PO



## Appendix 7: CSM-F-7 Safety Competency Form (Template)

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Name of the Vendor/Bidder : -

Name of the Sub Vendor (If job is given to Sub Vendor) : -

Description of the Job : -

Request for Quotation (RFQ) No. :-

Vendor/Bidder to mandatorily provide the below safety competency related information.

## 1. Proposed Manpower Deployment Schedule: -

| Category of Manpower Deployed | Minimum Qualification & Experience | Proposed Numbers against each category month-wise |         |     |         |
|-------------------------------|------------------------------------|---------------------------------------------------|---------|-----|---------|
|                               |                                    | Month 1                                           | Month 2 | ... | Month n |
| Project Manager               |                                    |                                                   |         |     |         |
| Site-In-Charge (Site Manager) |                                    |                                                   |         |     |         |
| Shift-in-Charge               |                                    |                                                   |         |     |         |
| Safety Officers               |                                    |                                                   |         |     |         |
| Supervisors                   |                                    |                                                   |         |     |         |
| Technicians                   |                                    |                                                   |         |     |         |
| a.....                        |                                    |                                                   |         |     |         |
| b.....                        |                                    |                                                   |         |     |         |
| Highly Skilled Workmen        |                                    |                                                   |         |     |         |
| a.....                        |                                    |                                                   |         |     |         |
| b.....                        |                                    |                                                   |         |     |         |
| Skilled Workmen               |                                    |                                                   |         |     |         |
| Semi-Skilled Workmen          |                                    |                                                   |         |     |         |
| Unskilled Workmen             |                                    |                                                   |         |     |         |
| <b>Total Manpower</b>         |                                    |                                                   |         |     |         |

### Instructions to Bidder to fill:

- Bidder to provide the overall site manpower deployment schedule as above.
- Bidder to indicate (through colour code mentioned below ) their direct and sub-contracted employees
 

|                                       |
|---------------------------------------|
| Direct bidder employee                |
| Partly Direct / Partly sub-contracted |
| Sub-Contracted                        |
- Against each of the category, bidder to indicate the minimum qualification and experience of the proposed manpower.
- Rows can be added to also identify other specialised manpower e.g. specific details to be included for high risk activities operators
- Columns can be extended to the actual duration of Site activities.
- Bidder to note that if operations is in shifts, then Shift-in-charge / safety officers are required for each shift of operation.

## 2. List of Tools, Tackles, Machines and Equipment: -

Bidder/ Vendor to provide the list of tools, tackles, equipment **to be used during the job / project execution**. Bidder/Vendor to ensure that all the lifting tools and tackles, pressure vessels are duly certified by the competent person authorised by the Chief Inspector of Factories of the respective state prior to start of the job

| Sr. No. | Description of Tools / Tackles | Capacity / Rating | Quantity | Make | Remarks |
|---------|--------------------------------|-------------------|----------|------|---------|
| 1       |                                |                   |          |      |         |
| 2       |                                |                   |          |      |         |
| 3       |                                |                   |          |      |         |
| 4       |                                |                   |          |      |         |
| 5       |                                |                   |          |      |         |
| 6       |                                |                   |          |      |         |
| 7       |                                |                   |          |      |         |
| ...     |                                |                   |          |      |         |

### 3. Safety Records:

Bidder to provide the details of fatalities and lost workday cases (LWDC), occurred in last three years (data to be provided for the last completed FY and preceding 2 years).

| Description               | Safety Data for Last 3 Years |           |           |
|---------------------------|------------------------------|-----------|-----------|
|                           | Year 1 (Last FY)             | Year 2    | Year 3    |
|                           | 20__ - __                    | 20__ - __ | 20__ - __ |
| Fatalities (Nos.)         |                              |           |           |
| Lost Workday Cases (Nos.) |                              |           |           |

In case of no fatalities, LWDC during any year, the form may be filled stating NIL against the respective year. Bidders are encouraged to also submit the RCA / incident investigation reports and the learning's implemented out of the above reported incidents

### 4. Job Safety Plan/ Method Statement:

Bidder to provide / enclose a detailed Site/Job Safety Plan along with a Method statement detailing the execution philosophy (how the bidder intends to execute the Job/Project), identifying all key activities which are required to be performed by the contractor at Site. Bidder to also list down all high-risk activities and provide the Hazard Identification and Risk Assessment (HIRA) for all such high-risk activities involved in the site work.

(Use Method Statement template attached as annexure A and sample as attachment B)

### 5. Management System Certification: -

| Sr. | Certification                   | Yes / No | If Yes, Year of Certification | If No, Expiry date for Certification |
|-----|---------------------------------|----------|-------------------------------|--------------------------------------|
|     | ISO 9001                        |          |                               |                                      |
|     | ISO 14001                       |          |                               |                                      |
|     | OSHAS 18001 / ISO 45001         |          |                               |                                      |
|     | Any other (please specify.....) |          |                               |                                      |

Note: Please attach certificates to support above. In case not accredited for above but applied for, application letters may be attached.

### Appendix 8: CSM-F-8 PPE requirements

The Contractor shall ensure that the following PPE of Approved standards shall be available at all time and shall be used by his employees with no exception whatsoever.

|   |                                                                                           |                                                                                                                                            |
|---|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | All contractor's employees at site                                                        | Safety Florescent Jacket (orange color), Safety helmet & safety shoes with Composite or steel toe cap                                      |
| 2 | Workers mixing asphalt, cement, lime / concrete                                           | Safety goggle & protective Hand gloves and footwear, Nose mask.                                                                            |
| 3 | Welders / Grinders                                                                        | Welding screen/goggles, safety shoes, leather hand gloves, aprons, leg guard                                                               |
| 4 | Stone breaker                                                                             | Protective goggle, hearing protection, anti-vibration hand gloves and Protective clothing.                                                 |
| 5 | Electricians                                                                              | Rubber hand gloves & Electrical resistant shoes.                                                                                           |
| 6 | Workers engaged in insulation using glass wool etc.                                       | Respiratory mask & leather Hand gloves, goggles.                                                                                           |
|   | Workers engaged in coal handling plant, ash handling plant and working in high dust area. | Dust mask, Hand gloves, protective goggles.                                                                                                |
| 7 | Workers working at a height of 1.8 Meter or above.                                        | Double lanyard full body harness, fall arrestor and safety net made of reinforced nylon fiber ropes firmly supported with steel structures |

- PPE shall be conforming to BIS/DGMS/DIN specifications, in good condition and shall be comfortable to his employees, when used.

## Appendix 9: CSM- F-10 Site Safety Management Plan / Method Statement

### Site Safety Plan / Method Statement (Template)

This Method Statement describes the specific safe working methods which will be used to carry out the described work. It gives details of work procedure with control measures to counter health and safety issues related to this work. The listed content of this Method Statement can be changed/modified subjected to job scope / specifications, but task specific method statement once finalized & approved, that should not be modified during work execution without permission from the approving authority.

|                                                                       |                  |  |             |
|-----------------------------------------------------------------------|------------------|--|-------------|
| Project/Job Name                                                      |                  |  |             |
| Scope of work: -                                                      |                  |  |             |
| Drawing References: -                                                 |                  |  |             |
| Detail of Sub contractors involved: -                                 |                  |  |             |
| Method Statement Prepared By: -<br>Designation: - (e.g. Site Manager) | <u>Signature</u> |  | <u>Date</u> |

**1.0 Introduction** (*Describe purpose of the work, give details of type and scope of work being carried out;*)

**2.0 Location of Work** (*Give site address and precise location on site where work is to be carried out. )*

**3.0 Safety Document /Specific Approval Required** (*Details of any safety documents or specific approval i.e. Client specific approval required to undertake the work)*

|  |
|--|
|  |
|--|

**5.0 Role & Responsibilities of Personnel/Parties Involved in activities:** -Clearly define role and responsibilities of all personnel involved in activity i.e. Site management staff including subcontractors' parties- Main contractor Project/Site Manager, Sub Contractor Site Manager, Project Engineer, Safety officer, Competent Supervisory Staff)

|  |
|--|
|  |
|--|

**6.0 Working/Activity Description:** - It is important that all operatives should have clear idea of those operational sequences and responsible supervisor must verify their competency prior to their engagement in operation.

## 6.1 Pre-Working Checks

**6.2 Resources (Equipment, tools including manpower) Details** *i.e. Equipment and Tools, specific operational equipment, test kits, lifting resources, Details of materials to be used in operation, including any reference to COSHH assessments in case of use of any chemicals, Details of the manpower allocated to the task, e.g. titles, qualifications, competences, direct manpower, contractors. Details of plant, tools and equipment to be used for the work, including the availability of relevant statutory documents, checks or inspections etc. Details of fencing, barriers, cones, chains, dangers notices, warning signs etc.*

**Tools required for work:**

| Sr.No | Tools /Equipment /Machine | UOM | Required Qty. | Remark |
|-------|---------------------------|-----|---------------|--------|
| 1     |                           |     |               |        |
| 2     |                           |     |               |        |
| 3     |                           |     |               |        |
| 4     |                           |     |               |        |
| 5     |                           |     |               |        |
| 6     |                           |     |               |        |
| 7     |                           |     |               |        |
| 8     |                           |     |               |        |
| 9     |                           |     |               |        |
| 10    |                           |     |               |        |

**6.4 Operational Sequence of work:** *- Full description of the work, setting out the methodology in a sequential manner, including any reference to any identified operational restraints. Also refer here sec. 5.0 responsibilities part for every step of work sequence).*

| Sr.No | Activity | Details of job sequence | Risk Involved | Control Checks |
|-------|----------|-------------------------|---------------|----------------|
| 1.    |          |                         |               |                |

|    |  |  |  |  |
|----|--|--|--|--|
| 2. |  |  |  |  |
| 3  |  |  |  |  |
| 4  |  |  |  |  |
| 5. |  |  |  |  |

**6.7 Final Checks & restoration of work area after completion of work :-** *Those checks to be carried out by responsible supervisor in witness of his line hierarchy by use of specific checklist of certain operational checks and once those completed satisfactory, PTW (if applicable) to be closed and isolation arrangements to be restored by removing barricades/cautionary tags.*

**7.0 Task Specific Hazards:** - *Refer to Task Specific Risk Assessment and attach in appendix*

**Attachment: - Specific Risk Assessment**

**In addition, please provide below control measures in risk assessment (as applicable).**

|                                                                               |                                                                                                    |                                                                                                      |                                                                                                  |                                                                                                                       |                                                                                                    |                                                                                                           |                                                                                                     |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Fall Protection Measures: (Where Work at height cannot be avoided)</b>     |                                                                                                    |                                                                                                      |                                                                                                  |                                                                                                                       |                                                                                                    |                                                                                                           |                                                                                                     |
| <b>Control Measures for Electrical Hazards</b>                                |                                                                                                    |                                                                                                      |                                                                                                  |                                                                                                                       |                                                                                                    |                                                                                                           |                                                                                                     |
| <b>Others Hazard if any (please provide details)</b>                          |                                                                                                    |                                                                                                      |                                                                                                  |                                                                                                                       |                                                                                                    |                                                                                                           |                                                                                                     |
| <b>Hazardous Substances to be used in job :<br/>(Attach MSDS if required)</b> | <br>Acute Toxic | <br>Health Hazard | <br>Corrosive | <br>Dangerous For the environment | <br>Oxidising | <br>Highly flammable | <br>Explosives |
|                                                                               | Yes /No                                                                                            | Yes /No                                                                                              | Yes /No                                                                                          | Yes /No                                                                                                               | Yes /No                                                                                            | Yes /No                                                                                                   | Yes /No                                                                                             |

**7.0 Emergency Provisions:** *-Relevant operational possibility of a programme in the case of emergency situation i.e. electrical supply restoration. In addition emergency response provisions i.e. first aiders, fire fighting, and first aid arrangements, nearest onsite/offsite emergency response also to be considered during emergency planning.*

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**8.0 "5S issues" / Waste Disposal/ Housekeeping and Environmental issues:** *-Details waste disposal processes and or housekeeping activities, Details of environmental impacts and control measures.*

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**9.0 Personal Protective Equipment (PPE):-** *(Tick on PPE requirements for the task/Job*

| Required Personnel Protective Equipment: |  |  |  |  |  |  | Other:                          |
|------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
|                                          | Safety Boots                                                                        | Hard Hats                                                                           | Safety Gloves                                                                       | Hearing Protection                                                                   | Eye Protection                                                                        | Respiratory Protection                                                                | 1. Hi-Viz<br>2. Coveralls<br>3. |

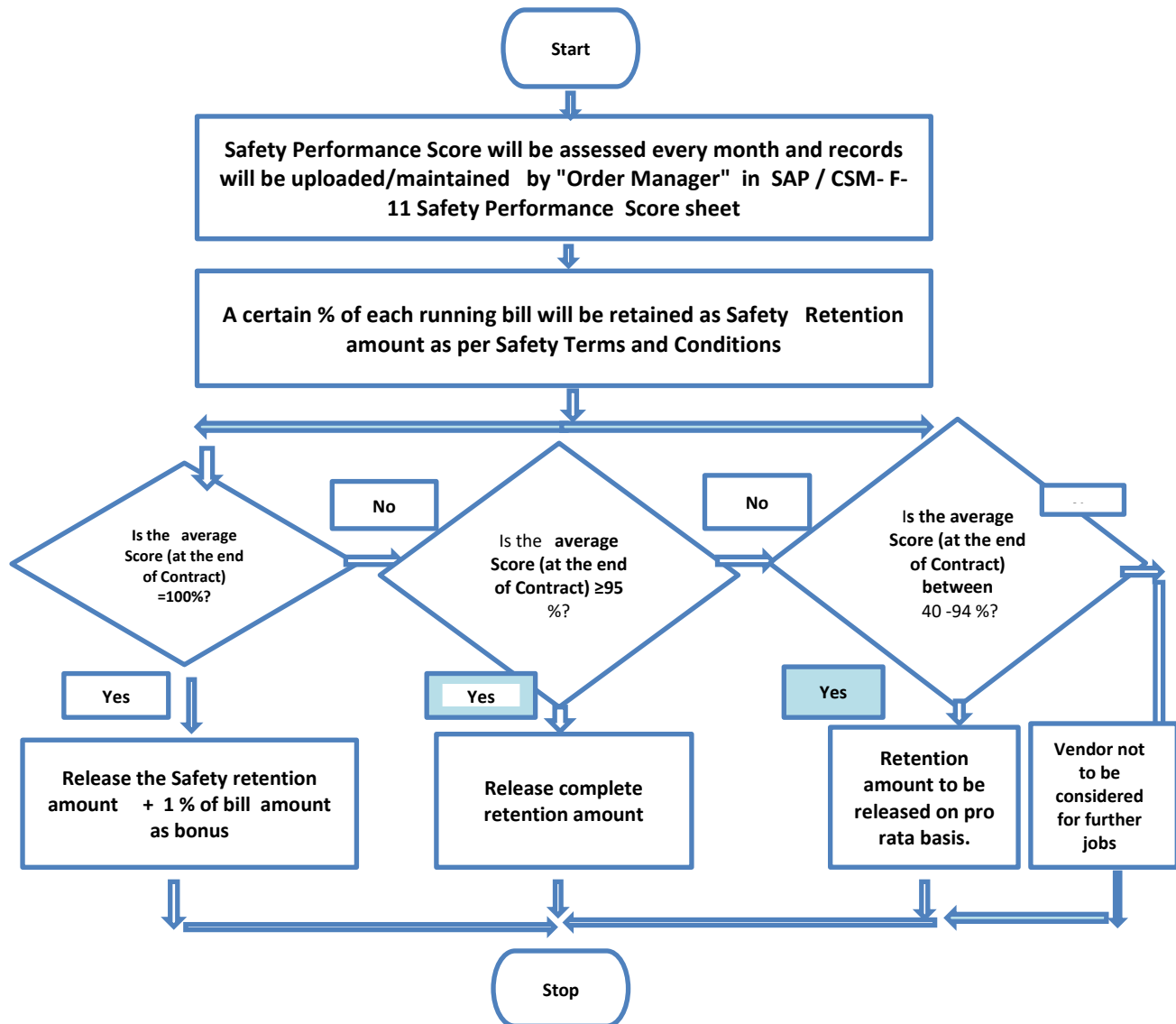
## 10.0 First Aid facilities and Nearby Hospitals Details

|                                                                                   |                               |  |
|-----------------------------------------------------------------------------------|-------------------------------|--|
|  | Name of On-Site First Aider:  |  |
|                                                                                   | First Aid Box Location:       |  |
|                                                                                   | Location of Nearest Hospital: |  |

## 11.0 Occupational Health, Fitness and COVID-19 related Preparedness:

1. Please give a brief writeup / methodology of your organization planned to avoid impact of the COVID-19 pandemic at Tata Power working site.
2. Please give brief details of occupational health and hygiene related interventions planned by your organisation to ensure good health and fitness of workforce at Tata Power site.

## Appendix 10: Process Flow Chart for Safety Performance Evaluation



## Appendix 11: CSM- F-11 Safety Performance Score

| S. No                 | Parameter                                                                                                | Unit of Measurement            | Target | Weight age | Actual Performance           | Actual Score |
|-----------------------|----------------------------------------------------------------------------------------------------------|--------------------------------|--------|------------|------------------------------|--------------|
| <b>Lead Indicator</b> |                                                                                                          |                                |        |            |                              |              |
| 1                     | % of Employee certified in TPSDI/Authorized agency                                                       | Number                         | 50%    | 10         |                              |              |
| 2                     | CFSA score (Annexure 6.1)                                                                                | Average Severity of Violations | 1.49   | 20         |                              |              |
| 3                     | Monthly inspection completed for Critical Equipment, lifting Tools & Tackles and hand tools used at site | Number                         | 80%    | 10         |                              |              |
| 4                     | Condition of critical tools, tackles and equipment                                                       | Number                         | 100%   | 10         |                              |              |
| <b>Lag Indicator</b>  |                                                                                                          |                                |        |            |                              |              |
| 1                     | Number of Fatalities                                                                                     | No                             | 0      | 30         |                              |              |
| 2                     | Number of Lost workday case (LWDC) (reportable)                                                          | No                             | 0      | 10         |                              |              |
| 3                     | Man-days Lost                                                                                            | Man-days                       | 0      | 10         |                              |              |
|                       |                                                                                                          |                                |        |            | <b>Final Score</b>           |              |
|                       |                                                                                                          |                                |        |            | <b>Invoice Value</b>         |              |
|                       |                                                                                                          |                                |        |            | <b>Amount to be released</b> |              |

## Safety Performance Evaluation Criteria

### Lead Indicators

|                                                                                                          |               |            |                |        |
|----------------------------------------------------------------------------------------------------------|---------------|------------|----------------|--------|
|                                                                                                          | <b>Target</b> |            |                |        |
| % of Employee certified in TPSDI/Authorized agency                                                       | 50%           | 100%       | Less than 100% |        |
| Score                                                                                                    |               | 10         | 5              |        |
|                                                                                                          | <b>Target</b> |            |                |        |
| CFSA score                                                                                               | <=1.49        | 1.5 to 2.5 | 2.51 to 3.5    | >=3.51 |
| Score                                                                                                    | 20            | 15         | 10             | 0      |
|                                                                                                          | <b>Target</b> |            |                |        |
| Monthly inspection completed for Critical Equipment, lifting Tools & Tackles and hand tools used at site | >=80%         | 79 to 50%  | <50%           |        |
| Score                                                                                                    | 10            | 7          | 0              |        |
|                                                                                                          | <b>Target</b> |            |                |        |
| Condition of critical tools, tackles and equipment                                                       | 100%          | <100%      |                |        |
| Score                                                                                                    | 10            | 0          |                |        |

### Lag Indicators

|                             |    |        |    |
|-----------------------------|----|--------|----|
| Number of Fatalities        | 0  | >0     |    |
| Score                       | 30 |        | 0  |
| Number of LWDC (reportable) | 0  | >0     |    |
| Score                       | 10 |        | 0  |
| Number of man days lost     | 0  | 1 to 5 | >5 |
| Score                       | 10 | 5      | 0  |

## Appendix 12: CSM-F-5 Safety Potential Evaluation Criteria for Vendor Registration

At the time of vendor registration, vendor will be registered under 3 categories

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- 1) **Category A-** Vendors eligible to carry out High risk Jobs
- 2) **Category B-** Vendors eligible to carry out technical jobs that are low risk
- 3) **Category C-** Vendors eligible to carry out administrative and office jobs
- 4) **Category D-** Outsourced Jobs / Consultants /Medical Practitioners / Suppliers etc

For vendors to be registered under **Category A**, a safety potential evaluation will be carried out based on following parameters.

| Sr. No | Description                                                                            | Weight age (%) | Actual Score | Remarks         |
|--------|----------------------------------------------------------------------------------------|----------------|--------------|-----------------|
| 1      | Does the contractor have a valid ISO 45001/ OHSAS 18001/ Certification?                | 30             |              |                 |
| 2      | During site visit check for safety adequacy at site                                    | 30             |              | Annexure - 12.1 |
| 3      | Check the Safety statistics of Contractor                                              | 10             |              | Annexure - 12.2 |
| 4      | Check the Safety orientation & training process of Contractor                          | 15             |              | Annexure 12.3   |
| 5      | Check the organizational structure for safety professionals & engineers / supervisors. | 10             |              | Annexure - 12.4 |
| 6      | Certified/skilled workers as a percentage of overall workforce                         | 5              |              |                 |
|        | Total                                                                                  | 100            |              |                 |

#### **Evaluation Criteria for Category B**

| Sr. No | Description                                                                            | Weight age (%) | Actual Score | Remarks        |
|--------|----------------------------------------------------------------------------------------|----------------|--------------|----------------|
| 1      | Does the contractor have a valid ISO 9001 certification?                               | 30             |              |                |
| 2      | During site visit check for safety adequacy at site                                    | 30             |              | Annexure -12.1 |
| 3      | Check the Safety statistics of Contractor                                              | 10             |              | Annexure -12.2 |
| 4      | Check the Safety orientation & training process of Contractor                          | 15             |              | Annexure -12.3 |
| 5      | Check the organizational structure for safety professionals & engineers / supervisors. | 10             |              | Annexure -12.4 |

|   |                                                                |     |  |  |
|---|----------------------------------------------------------------|-----|--|--|
| 6 | Certified/skilled workers as a percentage of overall workforce | 5   |  |  |
|   | Total                                                          | 100 |  |  |

## Evaluation Criteria for Category C

| Sr. No | Description                                                   | Weight age (%) | Actual Score | Remarks         |
|--------|---------------------------------------------------------------|----------------|--------------|-----------------|
| 1      | Does the contractor have a valid ISO 9001 certification?      | 40             |              |                 |
| 2      | Check the Safety statistics of Contractor                     | 40             |              | Annexure - 12.2 |
| 3      | Check the Safety orientation & training process of Contractor | 20             |              | Annexure - 12.3 |
|        | Total                                                         | 100            |              |                 |

## Annexure 12.1: Evaluation Criteria for Category D:

Category D does not require any evaluation as it is for outsourced job outside the Tata Power company premise.

## Annexure 12.2

| Check List – Adequacy of Safety Statistics of Service Provider |                                                                                                                                                                                            |                                          |             | Actual Marks obtained | Remarks |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|---------|
| 1                                                              | Check the safety statistics for last 3 years (LTIFR and LTISR)                                                                                                                             | Statistics available                     | Marks<br>5  |                       |         |
|                                                                |                                                                                                                                                                                            | Statistics not available                 | 0           |                       |         |
| 2                                                              | Check the trend LTIFR for last 3 years                                                                                                                                                     | LTIFR value                              | Marks       |                       |         |
|                                                                |                                                                                                                                                                                            | 0 to 0.2                                 | 5           |                       |         |
|                                                                |                                                                                                                                                                                            | 0.21 to 0.3                              | 2.5         |                       |         |
|                                                                |                                                                                                                                                                                            | >0.3                                     | 0           |                       |         |
| 3                                                              | Check the trend of LTISR last 3 years                                                                                                                                                      | LTISR value                              | Marks       |                       |         |
|                                                                |                                                                                                                                                                                            | 0 to 2                                   | 5           |                       |         |
|                                                                |                                                                                                                                                                                            | 2 to 3                                   | 2.5         |                       |         |
|                                                                |                                                                                                                                                                                            | >3                                       | 0           |                       |         |
| 4                                                              | Has there been any Prosecution/Conviction for any contravention with regard to Safety & Health provisions under the Factories Act /Electricity Act/ BOCW Act and Rules framed there under? | No Prosecution                           | Marks<br>10 |                       |         |
|                                                                |                                                                                                                                                                                            | Prosecution                              | 0           |                       |         |
|                                                                |                                                                                                                                                                                            | To be provided in written on letter head |             |                       |         |
|                                                                | Total                                                                                                                                                                                      |                                          | 25          |                       |         |

## Annexure 12.3

| Check List – Adequacy of Safety orientation & training process of Service provider |                                                                                                                                                     |                          |  | Actual Marks obtained |  |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--|-----------------------|--|
| 1                                                                                  | Records of safety trainings provided to safety officer/supervisor/workmen during last 1 year as percentage(%) of total employed by service provider | <b>Safety Officer</b>    |  | <b>Marks</b>          |  |
|                                                                                    |                                                                                                                                                     | ≥80% of employees        |  | 5                     |  |
|                                                                                    |                                                                                                                                                     | 50 to 79 % of employee   |  | 2.5                   |  |
|                                                                                    |                                                                                                                                                     | <50%                     |  | 0                     |  |
|                                                                                    |                                                                                                                                                     | <b>Safety Supervisor</b> |  | <b>Marks</b>          |  |
|                                                                                    |                                                                                                                                                     | ≥80% of employees        |  | 10                    |  |
|                                                                                    |                                                                                                                                                     | 50 to 79 % of employee   |  | 6                     |  |
|                                                                                    |                                                                                                                                                     | <50%                     |  | 0                     |  |
|                                                                                    |                                                                                                                                                     | <b>Workmen</b>           |  | <b>Marks</b>          |  |
|                                                                                    |                                                                                                                                                     | ≥80% of employees        |  | 10                    |  |
|                                                                                    |                                                                                                                                                     | 50 to 79 % of employee   |  | 6                     |  |
|                                                                                    |                                                                                                                                                     | <50%                     |  | 0                     |  |
|                                                                                    | <b>Total</b>                                                                                                                                        | <b>25</b>                |  |                       |  |

## Annexure 12.4

| Check List – Adequacy of organizational structure for safety professionals & engineers / supervisors. |                                                                                                                 |                                       |       | Actual Marks obtained |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------|-------|-----------------------|
| 1                                                                                                     | Check availability of number of safety officers from government recognized institute as per workforce strength. |                                       | Marks |                       |
|                                                                                                       |                                                                                                                 | 1 in 50 employees                     | 10    |                       |
|                                                                                                       |                                                                                                                 | 1 in 100 employee                     | 6     |                       |
|                                                                                                       |                                                                                                                 | Any other                             | 0     |                       |
| 3                                                                                                     | Check availability of qualified workforce from government recognized institute/TPSDI.                           |                                       | Marks |                       |
|                                                                                                       |                                                                                                                 | 100% of safety officers qualified     | 5     |                       |
|                                                                                                       |                                                                                                                 | 50 – 99% of safety officers qualified | 3     |                       |
|                                                                                                       |                                                                                                                 | <50                                   | 0     |                       |
|                                                                                                       | Total                                                                                                           | 15                                    |       |                       |

### Appendix 13: CSM-F-9 Safety Bid Evaluation Criteria

The User has to select whether the job is high risk/ long duration at time of raising the PR.

- 1) The decision whether job is “**high risk**” or not has to be made by order manager on the basis of Risk involved (Risk Priority Number in HIRA) of the Jobs. An indicative list of high-risk jobs is attached as annexure
- 2) If a technical job is of low risk with estimated duration of the contract is 1 year or more the job should be treated as “**long duration**”.
- 3) All Safety bids will be evaluated by Safety Concurrence Group. Structure of SCG will be declared by Corporate safety. Corporate safety team will audit bid evaluation process of a few selected jobs and Quality of evaluated safety Bids.
- 4) Records of jobs sent by for Safety Bid evaluation shall be maintained by Corporate Contract team in existing tracing sheet along with other jobs.
- 5) For Safety Bid Evaluation will be based on following parameters.

|          |                                                                                                         | Minimum Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                        | Weight age (%) | Score Obtained |
|----------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|
| Manpower | <b>Safety Officer (1 per 500 workers)</b>                                                               | <b>Qualification-</b> Officer shall possess Advance Diploma In Industrial Safety by state technical board.<br><b>Experience-</b> Minimum 1-year experience in relevant field as mentioned in the job in PR.                                                                                                                                                                                                                                                | 5              |                |
|          | <b>Safety Supervisor (1 per work site up to max. 50 workers)</b>                                        | <b>Qualification-</b> Supervisor shall possess ITI/ Diploma in relevant field.<br><b>Experience-</b> Minimum 2-year experience in relevant field as mentioned in the job in PR.<br><b>Training</b> – Trained and certified by TPDSI or equivalent institute in relevant safety procedures.<br><b>Note:</b> On request of the contractor/Users -TPDSI should vet & certify the skilled & experienced Technician if Technical Qualification is not adequate. | 5              |                |
|          | <b>Technician (Skilled workers as electrician, rigger, fitter, welder, cable jointer, line men etc)</b> | <b>Experience-</b> Minimum 2 year experience in relevant field as mentioned in the job in PR.<br><b>Training</b> – Trained and certified by TPDSI or equivalent institute in relevant safety procedures.                                                                                                                                                                                                                                                   | 5              |                |

|                                      |                                                                   |                                                                                                                                                                                                                                                                                                                                                              |    |  |
|--------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--|
| <b>Tools &amp; Tackles</b>           | Equipment / Machines/ Tools & Tackles(lifting and shifting tools) | The list of Equipment /Machines / Tools and tackles to be used for job to be submitted by the contractor.<br>Evaluation of the list will be carried out based on<br>1) Suitability as per the relevant job<br>2) Make and age of the tools from authorized agencies defined by the user.<br>3) Certification by the competent authority of respective state. | 30 |  |
| <b>Safety Records</b>                | Safety Records                                                    | Safety Records for last 3 years (as per vendor or as per our knowledge) – Recommendation?                                                                                                                                                                                                                                                                    | 15 |  |
| <b>Safety Plan</b>                   | HIRA/Contract Job Safety Plan                                     | Adequacy of HIRA and Job Safety Plan with respect to relevant job. More weight age will be given to vendor for using mechanized work and advanced tools and equipment                                                                                                                                                                                        | 20 |  |
| <b>Accredited Bodies certificate</b> | ISO-9001                                                          | ISO-9001                                                                                                                                                                                                                                                                                                                                                     | 2  |  |
|                                      | ISO-14001                                                         | ISO-14001                                                                                                                                                                                                                                                                                                                                                    | 3  |  |
|                                      | OHSAS 18001<br>ISO 45000                                          | OHSAS 18001/ISO 45000                                                                                                                                                                                                                                                                                                                                        | 15 |  |
|                                      |                                                                   | <b>Total Score</b>                                                                                                                                                                                                                                                                                                                                           |    |  |

- 6) Vendor entitled to carry out the job only when qualified for the safety evaluation as follows:

Contractor is qualified in safety bid only if his total score is more than 70% in all category 1 jobs such as high risk/long duration.

- 7) The Corporate Contract has to ensure that the vendor provides the filled “Safety Competency Form” along with the quotation.
- 8) Corporate Contract will forward the Safety Competency Form received from the contractor to the Safety Concurrence Group for evaluation.
- 9) In case SCG wants to visit the site, the Safety Competency will be based on evaluation at the time of site visit Annexure 13.1

#### Annexure -13.1:

| Checklist to be used: During site visit to check the adequacy Safety systems. |                                                                                     |             |              |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------|
|                                                                               |                                                                                     | Observation | Score* (1-5) |
| 1                                                                             | Check the adequacy of safety policy and Safety Management system of the contractor. |             |              |
| 2                                                                             | Does the contractor have written down safety procedures?                            |             |              |



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|    |                                                                                                          |  |  |
|----|----------------------------------------------------------------------------------------------------------|--|--|
| 3  | Check the records of Near miss, unsafe act, unsafe conditions and incidents.                             |  |  |
| 4  | Check the organization setup to implement the safety systems at site (safety officer, safety supervisor) |  |  |
| 5  | Check whether safety meeting and toolbox talk carried out regularly and records maintained or not.       |  |  |
| 6  | Is the process of incident investigation adequate or not?                                                |  |  |
| 7  | Verify incident reporting and recording system                                                           |  |  |
| 8  | Check the usage of equipment/tools and tackles.                                                          |  |  |
| 9  | Check for housekeeping at site                                                                           |  |  |
| 10 | Check the use of PPEs and general behavior of workforce towards safety                                   |  |  |
|    | <b>Total Score</b>                                                                                       |  |  |
|    | <b>Site Visit Score</b>                                                                                  |  |  |

Score\*- rating on the scale of 1-5 to be given based on the observations on site. Score of 1 is the lowest and core of 5 is the highest.

## Appendix 14: CSM-F-11.1 CFSA Format

| CONTRACTOR FIELD SAFETY AUDIT   |                                                                               |             |                           |            |                     |                    |
|---------------------------------|-------------------------------------------------------------------------------|-------------|---------------------------|------------|---------------------|--------------------|
| Project Name :                  |                                                                               |             |                           |            |                     |                    |
| Date:                           |                                                                               |             |                           |            |                     |                    |
| Description of Severity rating: |                                                                               |             | Audit Team:               |            |                     |                    |
|                                 | 1 = Untidy area, minor issues, sets poor example                              |             |                           |            |                     |                    |
|                                 | 2 = Restricted access, unacceptable trash, disorderly                         |             |                           |            |                     |                    |
|                                 | 3 = Rule or procedure violation, potential injury                             |             |                           |            |                     |                    |
|                                 | 4 = Unsafe condition, serious injury potential                                |             |                           |            |                     |                    |
|                                 | 5 = Immediate serious injury potential, stop activity immediately and correct |             | Audit Time:               |            | 10:00hrs -11:30 hrs |                    |
|                                 |                                                                               |             | Weather:                  |            | cloudy              |                    |
|                                 | Description                                                                   | Responsible | Number Personnel Observed | Violations | Remarks             | Leading Indicators |



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|      |                                        | Engineer | Contractors | Good Citizens | Violators | Number of Violations | Severity | Violations x Severity |  | 4 & 5 | PPE | Unsafe Act | Unsafe Condition |
|------|----------------------------------------|----------|-------------|---------------|-----------|----------------------|----------|-----------------------|--|-------|-----|------------|------------------|
| Area |                                        |          |             |               |           |                      |          |                       |  |       |     |            |                  |
| 1    |                                        |          |             |               |           |                      |          |                       |  |       |     |            |                  |
|      | Sub Totals                             |          |             | 0             | 0         | 0                    | 0        | 0                     |  | 0     | 0   | 0          | 0                |
|      | % of Observed People Working Safely    |          |             |               |           |                      |          |                       |  |       |     |            |                  |
|      | Number of Violations                   |          |             |               |           |                      |          |                       |  |       |     |            |                  |
|      | Average Severity of Violations         |          |             |               |           |                      |          |                       |  |       |     |            |                  |
|      | Number of Severity 4 & 5 Violations    |          |             |               |           |                      |          |                       |  |       |     |            |                  |
|      | % of 4 & 5 Violations                  |          |             |               |           |                      |          |                       |  |       |     |            |                  |
|      | Approximate Number of Workers Observed |          |             |               |           |                      |          |                       |  |       |     |            |                  |
|      | Number of People on Site               |          |             |               |           |                      |          |                       |  |       |     |            |                  |
|      | % of Workers Observed                  |          |             |               |           |                      |          |                       |  |       |     |            |                  |

## Appendix 15: Indicative List of High-Risk Jobs

To access the exhaustive list of High-risk jobs, please refer the following documents

- 1) [High Risk Jobs- Generation](#)
- 2) [High Risk Jobs- T&D](#)
- 3) [High Risk Jobs- Renewable](#)

| Indicative List of High-Risk Jobs -Generation Cluster |                                                                                                |  |  |  |  |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------|--|--|--|--|
| Sl. No.                                               | Jobs                                                                                           |  |  |  |  |
| 1                                                     | Demolition / Painting of Chimney                                                               |  |  |  |  |
| 2                                                     | Survey Sounding Jobs in Sea                                                                    |  |  |  |  |
| 3                                                     | Dredging at Coal Birth Jetty                                                                   |  |  |  |  |
| 4                                                     | Maintenance / Testing and Replacement of Extra High Voltage (132 KV etc.) Switchyard equipment |  |  |  |  |
| 5                                                     | Maintenance of EOT Cranes                                                                      |  |  |  |  |
| 6                                                     | Deep excavation (5 feet or more) near existing buildings /Structure s                          |  |  |  |  |
| 7                                                     | Working inside confined spaces (entry through manhole)                                         |  |  |  |  |
| 8                                                     | Operation Maintenance of elevators                                                             |  |  |  |  |
| 9                                                     | Working on Live control Circuits for identification of faults                                  |  |  |  |  |
| 10                                                    | Cable laying and termination Jobs                                                              |  |  |  |  |

| Indicative List of High-Risk Jobs - T&D Cluster |                                                                                                                                                                                                         |  |  |  |  |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Sl. No.                                         | Jobs                                                                                                                                                                                                    |  |  |  |  |
| 1                                               | Transmission Line Tower Erection on columns, near live lines, In congested areas, In creeks, In the Sea                                                                                                 |  |  |  |  |
| 2                                               | Conductor Stringing on Tower Using Tensioner & Puller in the area such as Line Crossing, Near Live lines, Congested Areas, Road Crossing, Bridge Crossing, Railway line Crossing, In creeks ,In the Sea |  |  |  |  |
| 3                                               | Cable Pulling by Using winch Machine in City and Rural Areas                                                                                                                                            |  |  |  |  |
| 4                                               | Hot Washing of HT and Extra HT lines, Towers and switchyards equipment                                                                                                                                  |  |  |  |  |
| 5                                               | Installation of Lifts                                                                                                                                                                                   |  |  |  |  |
| 6                                               | Installation of EOT Cranes                                                                                                                                                                              |  |  |  |  |
| 7                                               | Tower Dismantling                                                                                                                                                                                       |  |  |  |  |
| 8                                               | Working on H Frame /Pole mounted Transformers                                                                                                                                                           |  |  |  |  |
| 9                                               | Excavation in operational Area heaving power cables in receiving station                                                                                                                                |  |  |  |  |
| 10                                              | Identification and spiking of cable / disconnection of cables from poles                                                                                                                                |  |  |  |  |

## Indicative List of High-Risk Jobs - Renewable Cluster

| Sl. No. | Jobs                                                                                        |  |  |  |  |
|---------|---------------------------------------------------------------------------------------------|--|--|--|--|
| 1       | Working on Electrical Panels                                                                |  |  |  |  |
| 2       | Hi Potting of Equipment                                                                     |  |  |  |  |
| 3       | Battery commissioning and maintenance                                                       |  |  |  |  |
| 4       | Working on the nasal of Wind Turbine                                                        |  |  |  |  |
| 5       | Working on live electrical switchyard, material Handling and Equipment installation         |  |  |  |  |
| 6       | Roof Top Solar Panels Installation and maintenance                                          |  |  |  |  |
| 7       | Working in live Electrical Switchyard, Material Handling, equipment installation            |  |  |  |  |
| 8       | All maintenance activities that requires climbing on Towers /Structures / Transformer/ GODs |  |  |  |  |
| 9       | Loading and Unloading of Solar Panels on trucks                                             |  |  |  |  |
| 10      | Structural Repair /Dismantling work at height.                                              |  |  |  |  |



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**ANNEXURE X**  
**TATA CODE OF CONDUCT**

The Owner abides by the Tata Code of Conduct in all its dealing with stake holders and the same shall be binding on the Owner and the Contractor for dealings under this Order/ Contract. A copy of the Tata Code of Conduct is available a tour website:

**<https://www.tatapower.com/pdf/aboutus/Tata-Code-of-Conduct.pdf>**

The Contractor is requested to bring any concerns regarding this to the notice of our Chief Procurement & Stores e-mail ID: Pourush Garg <Pourush.Garg@tpcentralodisha.com>

CONFIDENTIAL

## ANNEXURE XI ENVIRONMENT & SUSTAINABILITY POLICY



TP CENTRAL ODISHA  
DISTRIBUTION LIMITED  
(A Joint Venture of Tata Power and Government of Odisha)



# Integrated Management System Policy

**Quality, Safety, Occupational Health, Environment**

We at TP Central Odisha Distribution Limited are committed to deliver world class service and reliable power through an energised workforce leading to ever increasing satisfaction of its customers, environmental protection and safe and healthy working condition.

**This will be achieved by:**

- Complying with all the requirements of ISO-9001, ISO-14001 and ISO-45001 management system standards through engaged workforce
- Complying with applicable Legal requirements
- Continually improving Quality, Environment and Occupational Health & Safety Performance
- Ensuring Environmental protection through Prevention of Pollution
- Conservation of Natural Resources
- Creating a work environment which encourages team work, safe work practices, learning and innovation
- Providing safe and healthy conditions that prevents work related injury and illness
- Eliminating hazards and reducing OH&S Risk
- Ensuring participation and consultation of workers

This policy will be made available to interested parties.

Date: 1<sup>st</sup> June, 2023



**Arvind Singh**  
Chief Executive Officer



## CORPORATE SUSTAINABILITY POLICY

At Tata Power, our Sustainability Policy integrates economic progress, social responsibility and environmental concerns with the objective of improving quality of life. We believe in integrating our business values and operations to meet the expectations of our customers, employees, partners, investors, communities and public at large

- We will uphold the values of honesty, partnership and fairness in our relationship with stakeholders
- We shall provide and maintain a clean, healthy and safe working environment for employees, customers, partners and the community
- We will strive to consistently enhance our value proposition to the customers and adhere to our promised standards of service delivery
- We will respect the universal declaration of human rights, International Labour Organization's fundamental conventions on core labour standards and operate as an equal opportunities employer
- We shall encourage and support our partners to adopt responsible business policies, Business Ethics and our Code of Conduct Standards
- We will continue to serve our communities:
  - By implementing sustainable Community Development Programmes including through public/private partnerships in and around our area of operations
  - By constantly protecting ecology, maintaining and renewing bio-diversity and wherever necessary conserving and protecting wild life, particularly endangered species
  - By encouraging our employees to serve communities by volunteering and by sharing their skills and expertise
  - By striving to deploy sustainable technologies and processes in all our operations and use scarce natural resources efficiently in our facilities
  - We will also help communities that are affected by natural calamities or untoward incidence, or that are physically challenged in line with the Tata Group's efforts

The management will commit all the necessary resources required to meet the goals of Corporate Sustainability.

(Praveer Sinha)  
CEO & Managing Director

Date: 15<sup>th</sup> June, 2018

**TATA POWER**  
Lighting up Lives!





**Corrigendum No – I**

**Date of Corrigendum: 07-01-2025**

**Tender Enquiry No: - TPCODL/CCG/1000001733/2024-25**

**Tender Subject** – RFQ for Transportation, Erection, Testing and Commissioning of Grid-Connected Rooftop Solar Plant with capacity of 1 KWp per Households in the Service area of TP DISCOMs Odisha

**Revisions has been made for below mentioned Annexures.**

- 1. ANNEXURE I: SCHEDULE FOR ITEMS**
- 2. ANNEXURE VII: SCOPE OF WORK**

**Revised Annexures are attached herewith.**

**ANNEXURE I**  
**SCHEDULE FOR ITEMS**

| S. No. | Item Description                                                                                                                                                                                                    | UOM       | Unit Price<br>Rs. | GST<br>Rs. | All Incl.<br>Unit Rate<br>Rs. |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------|------------|-------------------------------|
|        |                                                                                                                                                                                                                     |           | A                 | B          | C=A+B                         |
| 1      | <b>ITC of Solar Panel (1 KWh)</b><br>Including handling of concrete ballast, Panel , Module & installation at customer site)                                                                                        | Each      |                   |            |                               |
| 2      | <b>Transportation</b><br>(including/Loading/Unloading/Stacking etc.) of Panel & associated material to Site /Store (LP Truck 1512 LPT or equivalent with GVW 16020 kg and net loading capacity 10 ton (with Driver) |           |                   |            |                               |
| 2a.    | Upto 50 KMS (To & Fro)                                                                                                                                                                                              | Per Trip  |                   |            |                               |
| 2b.    | Upto 100 KM (To & Fro)                                                                                                                                                                                              | Per Trip  |                   |            |                               |
| 2c.    | Upto 150 KM (To & Fro)                                                                                                                                                                                              | Per Trip  |                   |            |                               |
| 2d.    | more than 150 KMS (To & Fro)                                                                                                                                                                                        | Per Trip  |                   |            |                               |
| 3      | <b>Transportation</b><br>(including/Loading/Unloading/Stacking etc.) of Panel & associated material to Consumer site (Tata Ace (1.6 Ton)) (With Driver)                                                             |           |                   |            |                               |
| 3a.    | Upto 50 KMS (To & Fro)                                                                                                                                                                                              | Per Trip  |                   |            |                               |
| 3b.    | Upto 100 KM (To & Fro)                                                                                                                                                                                              | Per Trip  |                   |            |                               |
| 3c.    | Upto 150 KM (To & Fro)                                                                                                                                                                                              | Per Trip  |                   |            |                               |
| 3d.    | more than 150 KMS (To & Fro)                                                                                                                                                                                        | Per Trip  |                   |            |                               |
| 4      | Door to Door Survey:<br>Locating the customer, verification of electricity bill, assessment of rooftop, approach to roof, collection of application/consent letter, submission of section wise consolidated report  | Each      |                   |            |                               |
| 5      | Hiring of TRX Crane for loading/ unloading (If Required)                                                                                                                                                            |           |                   |            |                               |
| 5a     | Per Hour                                                                                                                                                                                                            | Each      |                   |            |                               |
| 5b     | Half Day (4 Hrs)                                                                                                                                                                                                    | Each      |                   |            |                               |
| 5c     | Full Day (8 Hrs)                                                                                                                                                                                                    | Each      |                   |            |                               |
| 6      | Operations and Maintenance for 5 Years including maintenance, replacement and transportation of Free issued material which will be available at TP DISCOM Designated Warehouse.                                     | Per Visit |                   |            |                               |

## ANNEXURE VII SCOPE OF WORK

Request for Quotation for Transportation, Erection, Testing and Commissioning of Grid-Connected Rooftop Solar Plant of 1 KWp Capacity for identified Households in the Service area of TP DISCOMs Odisha.

Odisha DISCOM has received a target of Erection, Testing and Commissioning of Grid-Connected Rooftop Solar Plant of 1 KWp Capacity for **3 Lacs Households** in the Service area of TP DISCOMs Odisha till March'26.

### **SCOPE OF WORK:**

The Scope of work includes the Empanelment of Business Associates through tendering for Providing Logistics and ITC Services of 1KW Panel and Installation Kit for each Households. The Panel and Installation Kit shall be provided by TP Odisha DISCOMs at their designated warehouses in Odisha.

The BA has to load the Panels and Installation Kit from designated warehouse and transfer it to their warehouse / Consumer Site (if nearby). The BA then needs to ensure that the installation, testing and commissioning of the Panels with Kit has to be completed within the due timeline:

Following activities to be executed by the empaneled BA:

- Designing and Marking: Field Feasibility. The first step is doing survey, designing and marking on the rooftop.
- Module Mounting Structure Installation: Installation of concrete ballast and Panel Module.
- Cabling: The solar modules are connected in series with DC cables to the inverter, and with AC cables from the inverter to the evacuation point.
- Inverter Connection: Once the installation is complete, the inverter is charged..
- Net Metering and Grid Synchronization: Completion of Net Metering Process. It begins synchronizing solar power with the customer's existing electrical grid
- Project Completion Report: The BA needs to complete the documentation process.
- Periodic Maintenance including overhauling, wear and tear and regular checking of healthiness of system at proper interval shall be in the scope of vendor for a period of 5 years.

### **INSURANCE:**

Before commencement of work, the Empaneled Vendor shall also take insurance for Third Party Liability covering loss of human life, engineers and workmen and also covering the risks of damage to the third party/material/equipment/properties during execution of the Contract. The Empaneled Vendor will ensure that all its employees and representatives are covered by suitable insurance against any damage, loss, injury or death arising out of the execution of the work or in carrying out the Contract. Liquidation, Death, Bankruptcy etc., shall be the responsibility of bidder.

### **SECURITY DEPOSIT:**

Before commencement of work, the Empaneled Vendor shall submit the Security Deposit of Rs. 2.50 Lacs against the free issue material. Additional quantity shall only be issued on submission of completion report of previously issued material.

## **WARRANTIES AND GUARANTEES:**

The Empaneled Vendor shall provide warrantee covering the rectification of any and all defects in the design of equipment, materials and workmanship including spare parts (Spare Parts shall be free issued to BA from TP DISCOM at Designated warehouse) for a period of 5 years from the date of commissioning for projects. This includes maintenance, replacement and transportation of Free issued material which will be available at TP DISCOM Designated Warehouse.

## **OPERATION & MAINTENANCE (O&M) GUIDELINES TO BE MANDATORILY FOLLOWED BY BIDDERS:**

The bidder shall be responsible for all the required activities for successful operation and maintenance of the Rooftop Solar PV system for a period of 5 years from the date of commissioning of the plant.

Below mentioned guidelines, shall be followed for O&M practices:

- i. O&M of Solar Power Plant shall be compliant with grid requirements to achieve committed energy generation.
- ii. Deputation of qualified and experienced engineer/ technicians till the O&M period at project site as & when required.
- iii. Bidder shall provide the services to the consumers for repairs/maintenance of the RTS plant for 5 years from the date of commissioning of the plant. Non-performing/ under-performing system component will be replaced/repared by bidder (Spare Parts shall be free issued to BA from TP DISCOM at Designated warehouse).
- iv. Five (5) years Comprehensive Operation and Maintenance including overhauling, wear and tear and regular checking of healthiness of system at proper interval shall be in the scope of vendor.
- v. All the equipment testing instrument required for Testing, Commissioning and O&M for the healthy operation of the Plant shall be maintained by the Bidder. The testing equipment must be calibrated once every 2 years from NABL accredited labs and the certificate of calibration must be kept for reference as required.
- vi. If negligence/ mal-operation on part of the Bidder's operator results in failure of equipment, such equipment should be repaired/ replaced by the Bidder free of cost.
- vii. Co-ordination with Owner / DISCOM as per the requirement for Joint Metering Report (JMR). The person in charge present at site from bidder's side shall take a joint meter reading in the presence of rooftop owner at the time of commissioning.

A maintenance record register is to be maintained by the operator/technician/bidder with effect from Commissioning to record the generation, regular maintenance work carried out as well as any preventive and breakdown maintenance along with the date of maintenance, reasons for the breakdown, duration of the breakdown, steps taken to attend the breakdown, etc. Failure to adhere to above shall result in Encashment (Partial/Complete) of Performance Bank Guarantee/ any other penal action subject to the decision of TP DISCOM.

If any jobs covered in O&M Scope as per SOW are not carried out by the contractor/ Bidders during the O&M period, the designated Official shall take appropriate action as deemed fit. TP DISCOM reserves the right to make surprise checks/ inspection visits at its own or through

authorized representative to verify the O&M activities being carried out by the Bidder. Failure to adhere to above guidelines will result in penal action including debarring from participation in next tender.

The Bidders should have their service network in or Implementing Agency, within a radius of 50 Kms and shall provide address of service centre in O&M manual. A copy of the same shall also be provided to the TP DISCOM.

The bidder shall use the original parts in case of any fault in the PCU/Inverter during the AMC period of 5 years (Spare Parts shall be free issued to BA from TP DISCOM at Designated warehouse).

If Bidders fail to comply with the O&M guidelines, it may lead to the encashment of Performance Bank Guarantee and subsequently debarring or blacklisting from the future Tenders till further notice.

**By Order**

**Chief – CCG & Engineering**

| Tender No: TPCODL/CCG/1000001733/2024-25                                                                                                                                                      |         |             |                                                                                                                                                                                                                                                                                                |                                                                                                                                                        |                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Tender Name: RFQ for Transportation, Erection, Testing and Commissioning of Grid-Connected Rooftop Solar Plant with capacity of 1 KWp per Households in the Service area of TP DISCOMs Odisha |         |             |                                                                                                                                                                                                                                                                                                |                                                                                                                                                        |                                                                                                                                                     |
| Replies to Pre-Bid Query                                                                                                                                                                      |         |             |                                                                                                                                                                                                                                                                                                |                                                                                                                                                        |                                                                                                                                                     |
| Sr No                                                                                                                                                                                         | Page No | Clause No   | RFP Clause                                                                                                                                                                                                                                                                                     | Query/ Clarification Sought                                                                                                                            | TPCODL Response                                                                                                                                     |
| 1                                                                                                                                                                                             | 15      | 4           | door to door survey                                                                                                                                                                                                                                                                            | there may be multiple time of visit require for doing the survey and paper work , so can we charge per visit wise /                                    | As per Tender Document                                                                                                                              |
| 2                                                                                                                                                                                             | 6       | 1.7         | Bidder should be an Empaneled Vendor in National Portal of PM-Surya Ghar or should have cumulative experience of executing > = 50 kWp Off- grid/ Grid connected SPV Power Plants/Systems in Last three Years. Bidder must submit the Order Copy or required necessary document in this regards | We have installed 55kw containing 21 households but we don't have work order. No individual consumers given work order.                                | Accepted. Joint Commissioning Report for Each Household to be submitted.                                                                            |
| 3                                                                                                                                                                                             | 12      | 7.2         | After the issuance of LOI, Business Associate needs to submit a Security Deposit of Rs. 2,50,000 /- in favour of TPCODL with validity till 31 March 2026 + 6 Months Claim Period for further empanelment in all 4 DISCOM.                                                                      | We have empanelle vendor and given Rs.2.50 lakhs to TPCODL. Again we will give another Rs.2.50 lakhs.                                                  | Yes. Nature of Tender/SOW is different from PMSGY.                                                                                                  |
| 4                                                                                                                                                                                             | 15      | 1           | ITC of Solar Panel (1 KWh) Including handling of concrete ballast, Panel , Module & installation at customer site)                                                                                                                                                                             | Who will purchase the materials                                                                                                                        | Supply of Materials is in the Scope of TP DISCOM. Rest terms and conditions shall be as per tender document.                                        |
| 5                                                                                                                                                                                             | 15      | 2d          | more than 150 KMs (To & Fro)                                                                                                                                                                                                                                                                   | Please rectify more than 150km (To & From) as per KM. Because 200KM is more than 150km and 1000 km is mor than 150km                                   | Distance is limited to service area of each TP DISCOMs                                                                                              |
| 6                                                                                                                                                                                             | 15      | 3d          | more than 150 KMs (To & Fro)                                                                                                                                                                                                                                                                   | Please rectify more than 150km (To & From) as per KM. Because 200KM is more than 150KM and 1000 km is mor than 150km                                   | Distance is limited to service area of each TP DISCOMs                                                                                              |
| 7                                                                                                                                                                                             | 22      |             | Insurance                                                                                                                                                                                                                                                                                      | Is all the asociated employee to be insured? If Yes what I the insurance amount                                                                        | Field Employees to be Insured and GPA Policy of Rs. 15 Lacs shall be applicable                                                                     |
| 8                                                                                                                                                                                             |         |             | EPF/ESIC                                                                                                                                                                                                                                                                                       | Is EPF & ESIC deduction mandatory?                                                                                                                     | Yes as applicable                                                                                                                                   |
| 9                                                                                                                                                                                             |         |             | Safety                                                                                                                                                                                                                                                                                         | What is the Safety Criteria?                                                                                                                           | As per Tender Document                                                                                                                              |
| 10                                                                                                                                                                                            | 8       | 3.1         | SECOND PART: "TECHNICAL BID"                                                                                                                                                                                                                                                                   | Which document exactly required to attach (point a to i)                                                                                               | As per Tender Document. Kindly also follow the attachment list mentioned in ARIBA Portal.                                                           |
| 11                                                                                                                                                                                            | 8       |             | THIRD PART                                                                                                                                                                                                                                                                                     | ANNEXURE- I How to fill the format, with example, calculation procedure                                                                                | You have to submit the Unit Rates in ANNEXURE-I as mentioned in Corrigendum-I. Excel file for ANNEXURE-I is available for download in ARIBA Portal. |
| 12                                                                                                                                                                                            | 20      |             | CHECKLIST                                                                                                                                                                                                                                                                                      | what are the exact documents required against (Sl No-5, 8, 9, 12, 13, 17)                                                                              | As per Tender Document                                                                                                                              |
| 13                                                                                                                                                                                            | 12      | 4.6         | Reverse Auction                                                                                                                                                                                                                                                                                | Reverse Auction applicable or not, please clarify . Because We found Annexure VI and clause no 4.6 as different.                                       | Reverse Auction Not Applicable for this tender.                                                                                                     |
| 14                                                                                                                                                                                            | 22      |             |                                                                                                                                                                                                                                                                                                | Can we quote for solar panel of Exide Brand ? In Annexure VII you have metioned 1 Kw TPREL Panel in scope of work section.                             | Supply of Materials is in the Scope of TP DISCOM. Rest terms and conditions shall be as per tender document.                                        |
| 15                                                                                                                                                                                            | 31      |             |                                                                                                                                                                                                                                                                                                | Safety Category Qualification Form- This form will be submitted at the time of bidding on the letter head of the bidders.?                             | As per Tender Document                                                                                                                              |
| 16                                                                                                                                                                                            | 8       |             |                                                                                                                                                                                                                                                                                                | OEM test report and Manufactured authorization form will be submitted at the time of bidding?                                                          | Supply of Materials is in the Scope of TP DISCOM. Rest terms and conditions shall be as per tender document.                                        |
| 17                                                                                                                                                                                            | 20      | sl no-14/15 |                                                                                                                                                                                                                                                                                                | Performance certificates: This form will be submitted bidders letter head??                                                                            | Performance Certificate issued from your client to be submitted as it is.                                                                           |
| 18                                                                                                                                                                                            | 20      | sl no-13    |                                                                                                                                                                                                                                                                                                | Project/supply Completion certificates                                                                                                                 | For Sl. No 13- Not Applicable<br>For Sl. No 14 - Performance Certificate issued from your client to be submitted as it is.                          |
| 19                                                                                                                                                                                            |         |             |                                                                                                                                                                                                                                                                                                | Is there any extra document or annexure in GCC AND TENDER DOCUMENT that to be filled and submitted in the technical bid, which are not asked in ARIBA. | As per Tender Document                                                                                                                              |
| 20                                                                                                                                                                                            |         |             |                                                                                                                                                                                                                                                                                                | Kindly share the complete ITC Process for the Panel and Installation Kit Supplied by TP DISCOMs                                                        | ITC Process attached as ANNEXURE-I                                                                                                                  |

## ANNEXURE-I

### INSTALLATION, TESTING & COMMISSIONING PROCESS

#### 1. Project Outline

This document outlines the requirements of Installation, Testing and Commissioning of PV Solar System being executed by TP DISCOMS

The scope includes but is not limited to the following activities

1. Arrangement of all necessary PPE's for the execution of the project for I&C team.
2. Arrangement of manpower, tools, instruments and machinery as required for the project.
3. Transportation of manpower, tools, instruments and machinery to the customer premises (project site).
4. Site Survey of customer premises.
5. Shipment of material from TP DISCOMS warehouse to the customer premises (project site).
6. Unpacking of the system and discarding of the packing material.
7. Checking of contents of the package.
8. Installation of the system.
9. Testing and commissioning of the PV System.
10. Setting up remote monitoring of plant.
11. Preparing I&C documentation.
12. Obtaining Sign off on documentation from the customer and the DISCOM.
13. Overall commissioning and customer education on the system Operation , Maintenance and Safety

This document contains Installation and Commissioning (I&C) Guidelines for Solar Rooftop Systems to ensure that solar installation is carried out effectively, efficiently, and safely.

#### 2. Safety First

- a) TP DISCOMS Safety guidelines are mandatory during all times during the project.
- b) I&C vendor and his installation team shall be completely acquainted with all the requirements of TP DISCOMS safety guidelines for successfully carrying out this project.
- c) I&C vendor shall arrange for all necessary PPE's as required in the safety guidelines of TP DISCOMS.

- d) Any lapse in safety will be viewed seriously and is liable for penalization as per final decisions taken up by TP DISCOMS.

### 3. Site Assessment

#### a) Roof Evaluation:

- Conduct a visual assessment of the RCC roof to ensure it can handle the load of the solar panels and associated equipment. This includes checking the roof's age, structural integrity, and load-bearing capacity. Customer has to give NOC stating that the load bearing capacity for RCC is at least 60kg/m<sup>2</sup>.
- The roof should be free of cracks, leaks, and other forms of damage. The installation I&C vendor has to take note of the pre-existent damages with photographic evidence. In case of non-feasible roof the same shall be informed to the customer. I&C Vendor may verify the pre-existing leaks in the roof by pouring water over the proposed area and inspecting for leakages on the lower side of the roof.
- I&C Vendor shall check if there are points of water stagnation and flooding in the area where PV System is proposed to be installed. Such areas will be deemed as unfit for installation of PV modules. Customer shall do the necessary modification to make the areas fit for installation purpose.
- **Orientation and Tilt:** The solar panels should be installed facing towards south at the angle of tilt as per the mounting structure.
- **Identification of Shadow areas :** I&C Vendor shall physically identify the areas of shadow formation due to Paraphet Walls , Trees , Walls , Rooms , Water Tanks , Pillars , Cloth Lines , Towers , Adjacent Buildings and any other similar obstructions which could form visible shadows on the modules. The areas which form shadows shall be deem unfit for installation and same shall be informed to the customer. Areas which are partially shading the modules shall also be deemed unfit for installation.

### 4. Mounting System Installation

- a) **Mounting System:** Mounting ballast structure system which is designed for RCC roofs.  
Ballasted systems are common for RCC roofs as they don't require penetration of the roof, reducing the risk of leaks. Check if the roof has a slope, the ballasts are designed for installation over flat roofs only. If the roof is found to have a slope more than 3 degrees then it shall be deemed as unfit for installation. The ballast shall not be laid on glazed ceramic tiles. Care should be taken to ensure that the customer roof is not damaged and the leak proofing layer is also not damaged during shifting and installation of the ballasts.
- b) **Ballasted Mounting:** The foundation of the PV System comprises of dead weight ballast. The ballast has been split into 2 parts (for each leg) for easy handling and movement over the roof for installation purpose. Care should be taken to ensure that the ballasts are not separated at any condition after the installation process. Ensure the ballast weight is evenly distributed to avoid damaging the roof. The ballast shall be laid down carefully over the roof without impacting the roof. A temporary soft rubber mat can be used for laying the ballasts during installation.
- c) **Modifications and retrofits :** I&C Vendor shall not try to carryout and modifications of the structure provided. The structure is galvanized for long life and any welding or machining will results in permanent damage to the galvanic coating of the structure. Any retrofits or modifications will deem the system warranty as void.

## 5. Electrical and Inverter Installation

- a) DC Wiring: Ensure that the DC cables from the solar panels to the inverter are installed in a safe, organized manner. The DC MC4 connector shall be properly crimped into the metal thimble inside the plastic housing of the MC4 connector. Crimping shall be done only with a correct size of crimping tool only. Do not attempt to crimp the DC cables with hammer or pliers. This will result in damage to the MC-4 housing and the connector itself.

To avoid loose connections and fire incidents it is strictly recommended to use only Crimping tools for this purpose. Any deviation will result in warranties being void.

Care should be taken to ensure that the male and female polarities are not reversed. Ensure that the both male and female MC4 connectors are thoroughly pushed into each other. These connectors are rated as IP65 only when properly mated else any loose mating will result in water ingress and DC side shorting. DC side shorting in turn will result in Inverter damages and such conditions will not be entertained for warranty claims.

- b) Inverter & ACDB Location: To ensure efficient operation of the inverter, it is recommended that the inverter and ACDB should be installed on the ballast structure only. Mounting holes are provided on the L angles of the structure to accommodate both the devices. Do not attempt to lengthen the cables provided.
- c) Earthing: Properly ground the system to avoid any electrical hazards. Module to module earthing to be done with 6mm<sup>2</sup> cable. Inverter earthing shall be also done with a 6 mm<sup>2</sup> cable and in turn this cable shall be connected to the structure, further the LA point shall be earthed with a 10mm<sup>2</sup> conductor leading to the earth pit. ACDB earthing connection has to be carried out with 10 mm<sup>2</sup> cable

**Earth Pits:** 2 earthing kits have been provided with the system. These shall be installed at a minimum distance of 2 m from each other. For good earthing connection , a resistance of 5 ohms is recommended. This can be checked using a Wenner device by the I&C Vendor. For good results it is recommended that the area selected for installing the pits are non-gravel type with fine clay type soil. Soil shall also not be dry to ensure proper conductivity for earthing purposes.

- d) AC Wiring: Connect the AC output from the inverter to the ACDB and from ACDB to the customer LT panel. Do not extend the wires beyond the recommended length supplied. The wiring shall be routed through the supplied conduits only. Care should be taken to ensure that the conduits are properly press fitted into the sockets provided in the bends and tee joints. Ensure that there is no gap left for water to enter into the conduits. Conduits shall be laid in places where there is no over burden weight like manual stamping , vehicular movement, live stock movement etc.

Considering that the system contains lethal voltages upto 230V AC. It is recommend that through electrical safety guidelines laid down by TP DISCOMS shall be followed while installing the system. Ensure that there are no joints in between the cabling. The electrical cable shall be kept at positions which are out of reach of children and water ingress.

## **6. Action on Faulty material and Fault identification**

- a)** If any material is found to be damaged or has some workmanship defect. The such material shall be immediately reported to TP DISCOMS in writing. It is recommended that the I&C vendor inspects the material stock during pickup from the TP DISCOMS warehouse. Photo evidence of material shall be maintained by the I&C vendor for future references.
- b)** Material which has been found damaged due to any reason at site, shall be replaced by the I&C vendor at his own cost..
- c)** I&C vendor shall maintain an in depth details of equipment being installed for future tracking and warranty purposes. The I&C vendor shall collect the following information but not limited to this list only, any other information related to the installation deemed necessary for future references may also be stored by the vendor :
  - i. Make, Model Number and Serial number of the solar PV Modules.
  - ii. Make, Model Number and Serial Number of the inverter
  - iii. Make, Model Number and Serial Number of the Inverter Wi-fi dongle.
  - iv. Make Model Number and Serial Number of the Wi-fi dongle Power Supply Adaptor
  - v. Login credentials of the App which were set for the customer.
  - vi. Make of the ACDB box
  - vii. Pictures of the complete installation, cabling and termination at LT panel or metering box.
  - viii. Make, serial number and model of the meter.
  - ix. Earth Pit resistance measurement.
  - x. Earthing kit make.

|                                                                                   |                                                |              |
|-----------------------------------------------------------------------------------|------------------------------------------------|--------------|
|  | TP CENTRAL ODISHA DISTRIBUTION LIMITED         |              |
|                                                                                   | WORK INSTRUCTION /OPERATING GUIDELINES         |              |
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## 1.0 ORGANIZATIONAL VALUES

The Tata Group has always been a value driven organization. These values continue to direct the Group's growth and businesses. The six core Tata Values underpinning the way we do business are:

**Integrity** - We must conduct our business fairly, with honesty and transparency. Everything we do must stand the test of public scrutiny.

**Understanding** - We must be caring, respectful, compassionate and humanitarian towards our colleagues and customers around the world and always work for the benefit of India.

**Excellence** - We must constantly strive to achieve the highest possible standards in our day to day work and in the quality of goods and services we provide.

**Unity** - We must work cohesively with our colleagues across the group and with our customers and partners around the world to build strong relationships based on tolerance, understanding and mutual co-operation.

**Responsibility** - We must continue to be responsible and sensitive to the countries, communities and environments in which we work, always ensuring that what comes from the people goes back to the people many times over.

**Agility** - We must work in a speedy and responsive manner and be proactive and innovative in our approach.

## 2.0 ETHICS

In our effort towards Excellence and in Management of Business Ethics at TPCODL, an Ethics Management Team is constituted.

The main objective of the Ethics Management Team is to:

1. Record, address and allay the issues and concerns on ethics raised by different stakeholders like employees, consumers, vendors, Associates etc. by initiating immediate corrective actions.
2. Ensure proper communication of the ethics policies and guidelines through prominent displays at all offices of TPCODL and through printed declarations in all concerned documents where external stakeholders are involved.
3. Ensure proper framework of policies as preventive measures against any ethics violation recorded by them.
4. Prepare and submit MIS of all issues and concerns, corrective and preventive actions on monthly basis to the top management for their information.

All members of Team TPCODL, Associates and Stakeholders are requested to register any grievance on ethics violation to Mr. Rajeev Kharyal, Chief Ethics Counselor.

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### **3.0 CONTRACT PARAMETERS**

#### **3.1 Issue/ Award of Contract**

TPCODL awards the contract to the Associate in writing in the form of Purchase order (PO) or a Rate Contract (RC), hereafter referred as Contract, through in any or all of following modes- physical handover / post / e-mail / web document / fax with all the attachments/enclosures which shall be part of the contract document

On receipt of the contract, the associate shall return to TPCODL copy of the contract document duly signed by legally authorized representative of associate, within two days of Effective Date of Contract for contracts having contract execution time less than 30 days and within five days for all other contracts.

#### **3.2 Contract Commencement Date**

The date of issue/ award of contract shall be the Effective Date of Contract or Contract Commencement date.

#### **3.3 Contract Completion Date**

The date of expiry of Guarantee Period shall be deemed as the Contract Completion Date.

#### **3.4 Contract Period/Time**

The period from Contract Commencement Date to Contract Completion Date shall be deemed as the Contract Period/Time.

#### **3.5 Contract Execution Completion Date**

The stipulated date for completing the execution of all items in the schedule of quantities (Supply, Service and or both as applicable) shall be deemed as the Contract Execution Completion Date.

#### **3.6 Contract Execution Period/Time**

The Period from Contract Commencement Date to Contract Execution Completion Date shall be the Contract Execution Period/Time. Timely Completion of Works/Timely Delivery of Materials is the essence of the contract. The period from effective date of contract to the date stipulated for completion of delivery of all items/completion of all the works/services, as per schedule of quantities of the contract is defined as contract execution completion time. The Delivery of Materials /The Completion of Works, as applicable, should be achieved in all respects as per schedules of quantities and all the terms and conditions of the contract, in the contract execution time.

Any revision/amendment in the originally stipulated contract execution time has to be approved by authorized representative of TPCODL.

#### **3.7 Contract Price /Value**

The total all inclusive price/value mentioned in the PO/RC of the contract document is the Contract Price/Value and is based on the quantity, unit rates and prices quoted and awarded and shall be subject to adjustment based on actual quantities supplied/actual measurement of

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work done and accepted and certified by the authorised representative of the company unless otherwise specified in schedule of quantities or in contract documents.

### 3.8 Contract Document

The Contract Document shall mean and include but not limited to the following:

- NIT/Tender Enquiry, QR, Instruction to Bidders, Special Condition of Contract (SCC) of tender, GCC, Technical & Commercial Specifications including relevant annexure and attachments).
- Bids & Proposals Received from Associate including relevant annexure/attachments.
- Letter of Intent (LOI/RC/PO) with agreed deviations from the tender/bid documents.
- All the Inspection and Test reports, Detailed Engineering Drawings.
- Material Dispatch Clearance Certificate (MDCC).
- Minutes of Meeting (MoM)

### 3.9 Contract Language

All documents, instructions, catalogues, brochures, pamphlets, design data, norms and calculations, drawings, operation, maintenance and safety manuals, reports, labels, on deliveries and any other data shall be in English Language.

The Contract documents and all correspondence between the TPCODL, Third Parties associated with the contract, and the Associate shall be in English language.

However, all signboards required indicating "Danger" and/or security at site and otherwise statutory required shall be in English, Hindi, and local languages.

### 3.10 Reverse Auction

TPCODL reserves the right to conduct the reverse auction (instead of public opening of price bids) for the products / services being asked for in the tender. The terms and conditions for such reverse auction events shall be as per the Acceptance Form attached in Annexure I. The bidders along with the tender document shall mandatorily submit a duly signed copy of the Acceptance Form as mentioned in the Annexure I as a token of acceptance for the same.

## 4.0 SCOPE OF WORK

All the activities that are to be undertaken by the Associate to realize the contractual deliverables in completeness form Scope of Work. Following clauses list, but not limited to, major requirements of the scope of work.

The associate shall satisfy himself fully with the details and undertake fully the works as listed in schedule of quantities and conditions, under which the same to be performed. Associate may visit site to equip themselves with all the information required for the execution of work. Unless otherwise stated in the contract, the scope of work shall also include, but not limited to, the following.

The associate shall deliver equipment/material at site/stores, carry out erection, testing and commissioning and put into satisfactory operation as defined in contract. Unloading at site,

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storage, preservation, security and handling of the items at work places till completion of contract is also in scope of work.

The associate shall obtain statutory clearances for the works executed by him.

The associate shall provide comprehensive insurance for entire works for contract value and third party liability insurance to cover all risks till completion of contract.

All transport / lifting/ unloading/ storage/preservation of items at site shall be arranged by the Associate at no extra cost to TPCODL. All these activities shall be performed in line with original equipment manufacturers' recommendations and/or as per best engineering practices, with due consent of TPCODL Engineer-in-charge.

**Completeness:** Any supplies and services which might have not been specifically mentioned in the Contract but are necessary for the scope mentioned in Special Terms & Conditions and/or completeness of the works at the highest possible level, including any royalties, licence fees & compensation to be paid, whether incurred by the associates or by a third party for the work covered in the scope, regardless of when incurred, shall be supplied/provided by the associate without any extra cost and within the time schedule for efficient , smooth and satisfactory operation and maintenance of the works at the highest possible level under Indian conditions (but according to international standards for facility of this type), unless expressly excluded from the scope of supplies and services in this Contract.

TPCODL have the right, during the performance of the Contract, to change the scope and/or technical character of the Project and/or of the supplies and services stipulated in the Contract by submitting a request in writing to the Associate. The Associate shall, within fifteen days of receipt of such request from the TPCODL, provide Purchaser with a reasonably detailed estimate of the cost of the change outlined in the request.

In the event, TPCODL requests a change, the Contract price and time shall be adjusted upwards or downwards, as the case may be and shall be mutually agreed to. The associate shall not be entitled to any extension of time unless such changes adversely affect the time schedule.

The Associate shall not proceed with the changes as requested till adjustment of contract price and time schedule where so applicable in terms of or otherwise directed by the TPCODL.

#### **4.1 Indemnity**

Associates shall undertake to fully indemnify TPCODL (also referred to as the Company in the GCC) against all kinds of liabilities or damages, of whatsoever nature, including compensation arising from any accident to the person or property of those in Associate's employment or to any other person or properties including those of TPCODL, arising due to reasons attributable to any, act, omission of the Associate the Associates, for the entire period of contract including period of guarantee.

Within 7 days of award of work, the Associates shall submit Indemnity Bond in the format as per Annexure-D to Order Issuing Authority.

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In case of Labour /Erection/ Services Contracts having value more than Rs 2 Cr per Annum, Associates shall submit Indemnity Bond on Rs 100/- Non Judicial Stamp Paper in the format as per Annexure- D to Order Issuing Authority.

#### **4.2 Display of Notice Boards at Work Sites**

The Associate shall put up display notice board at each project site where the works are in progress indicating the information given below:

- Name of the Project.
- Estimated Cost of Project.
- Date of Commencement.
- Expected date of completion.
- Name of Associate and his telephone number.
- Name of Engineer-in-Charge and his telephone number.

#### **4.3 Disposal of Waste at Site**

Significant quantities of waste are generated during the execution of project and an integrated approach for effective handling, storage, transportation and disposal of the same shall be adopted. This would ensure the minimization of environmental and social impact in order to combat the climate change.

The associates shall follow the below criteria for disposal of waste at site during the execution of project.

- Associate shall ensure that the detailed project plan include the waste management, segregation of all designated waste material (Recyclable/Non-Recyclable), collecting, storing, disposing and transferring the same to pre-arranged facility/destination in timely and safe manner as per environmental legislations during the execution of project. The project plan shall also include the innovative construction practice to eliminate or minimize waste, protect surface/ground water, control dust and other emissions to air and control noise during the execution of project. The copy of same shall be given to EIC before the commencement of project.
- The purchase policy of BA shall encourage the procurement of material with recycled and minimum packaging of goods during delivery. Associate shall provide the appropriate means for site to site transportation of materials to avoid damage and litter generation.
- Associate shall educate and inform to its project team about the requirement and responsibilities for waste minimization and disposal in general and provide training of practices that support this. Waste management should be treated like a safety program.
- In the event that area of contaminated or biological hazard is identified, Associate shall ensure that plant, equipment, personnel and any activity associated with the work is carried out in consultation with EIC of TPCODL.
- Associate shall ensure that the residents living near the site are kept informed about proposed working schedule and shall informed timings and duration of any abnormal noise full activity that is likely to happen.

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- Associate shall ensure the regular maintenance and monitoring of vehicles and equipment for efficient fuel use so that emissions and noise are within acceptable limits to avoid air pollution.

#### **4.4 Deployment of Work Force**

Associate shall deploy adequate labour, as considered necessary by TPCODL for execution of the contract including Sundays and Holidays whenever required to do so with no extra cost to TPCODL. However, prior permission shall be taken from the site Engineer to carry out the work beyond normal working hours or on Sundays and Holidays. Female employees shall not be deployed beyond normal working hours/days and no child labour shall ever be deployed. Associate shall depute full time qualified and experienced engineers to supervise the work at site. All such staff shall be maintained from commencement to completion of all works to the entire satisfaction of the Engineer-in-Charge. Associate's employees deployed for the works under this contract will not be considered in Company's employment at any time. Associate shall continue to be responsible for all such employees, their safety, all types of statutory compliances related thereto and in any other manner whatsoever. The company will stand indemnified by the Associate in respect of all the above. At the same time Company upon noticing any breach or default on any statutory compliances, may at their sole discretion, decide to act in a manner as deemed fit at the risks and costs of the Associate.

TPCODL shall have the right to instruct the Associate to change the Sub- Associates or skilled /unskilled workers in case the conduct, the workmanship or speed of the work is not satisfactory.

Associates shall submit duly signed undertaking regarding engagement of competent staff / employee commensurate to the nature of job to Engineer-in-charge in the format attached as Annexure – G.

#### **4.5 Damages of Properties**

The Associates shall take necessary steps to ensure that the equipment and installations of the Company, Third parties, including other utility services like water supply pipelines; open drains telephone cables etc. are not damaged during execution of the works. The Associates shall be responsible for all such damages and shall have to repair/ replace and/or compensate for the entire claims in respect of such damages at its own cost.

#### **4.6 Issuance of Materials**

The material issued to the Associate shall be in the custody of the Associates who shall be fully responsible for the same. After completion of the works, the Associates will reconcile the material. Any cost of material which is short or damaged/lost will be deducted from Associate bill/ deposits.

#### **4.7 Company's Right To Use Works**

If Taking Over Certificate is delayed for any reason, for which TPCODL's decision shall be final and binding upon the Associate, the Company shall be entitled to use the works or portion thereof without affecting Associate's responsibility and liability to complete the balance works as

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per company's directives from time to time, though Associate shall be afforded reasonable opportunity by the company to enable Associates to complete all balance works required for issuance of 'Taking Over Certificate' by the company.

#### 4.8 Rights of TPCODL to vary the scope work

TPCODL shall have the right, during the performance of the Contract, to change the scope and/or technical character of the Project and/or of the supplies and services stipulated in the Contract by communicating the intent to do so in writing to the Associate. On receipt of such communication the Associate shall, within the time frame specified in the contract shall provide TPCODL with a reasonably detailed estimate of the cost of the change in scope outlined in the TPCODL communication. The change in the Contract price and time shall be revised upwards or downwards, as the case may be, and shall be mutually agreed to. The Associate shall not be entitled to any extension of time unless such changes adversely affect the time schedule.

The Associate shall not proceed with the changes in the scope of work till such time revision of Contract price and time schedule are approved and communicated to the associate by TPCODL.

Any change in the Scope of Work and/or Terms & Conditions of the order shall be intimated by TPCODL through an amendment to the contract. The amendment shall be treated valid only if signed by the authorized signatory of the original contract.

#### 4.9 Technical Evaluation

TPCODL reserves the right to assign scores to different parameters including but not limited to the following while evaluating the bids. TPCODL reserves the right to change the parameters and score without prior information to the associates:

| S. No.      | Evaluation Parameter                                                                                                                                                                                                                  | Max. Score |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>A</b>    | <b>For bidders already Registered with TPCODL</b>                                                                                                                                                                                     | <b>100</b> |
| <b>A.1.</b> | <b>No violation of statutory compliances in last 1 year.</b><br>Deduction of 2 marks for each instance of violation in last 1 year.                                                                                                   | 20         |
|             | <b>Safety</b><br>Deduction of 2 marks for each instance of safety violation in last 1 year.<br>Deduction of 5 marks for each reported Non-Fatal Accident in last 1 year<br>In case of any reported fatal accident: <i>ZERO MARKS</i>  | 20         |
| <b>A.2.</b> | <b>Timely Execution of Contracts</b><br>Total Achieved Score = {30 – 3 x (Avg. percentage LD deductions in last 2 years)}                                                                                                             | 30         |
| <b>A.3.</b> | <b>Legal Issues with TPCODL</b><br>Zero instances of Arbitration procedures / Court Cases / PBG forfeitures in last 2 years: 30 marks else 'Zero' marks                                                                               | 30         |
| <b>B</b>    | <b>Bidders new to TPCODL</b>                                                                                                                                                                                                          | <b>100</b> |
| <b>B.1.</b> | <b>Visits</b><br>Client Site Visit where the bidder is providing similar services.<br>The visits as above shall be arranged by the bidder. However all costs towards conveyance, lodging, boarding etc. shall be borne by TPCODL. The | 30         |

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| S. No. | Evaluation Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                      | Max. Score |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|        | score assigned by TPCODL based on the above visits shall be final and binding on the bidder (Vendor Evaluation form attached as annex L).<br><b>Safety</b><br>Score achieved against BA Safety Management System Questionnaire                                                                                                                                                                                                                            | 20         |
| B.2.   | <b>Client Referrals</b><br>At least 3 nos. Customer References for similar services in last 3 years. All customer references shall be either of the following:<br><ul style="list-style-type: none"> <li>▪ Govt. Organizations/ PSUs/ Power Distribution Utilities.</li> <li>▪ Private Organizations with an annual turnover of <math>\geq 500</math> cr.</li> </ul> PO copies or Completion Certificates will be admissible.<br>Each reference: 10 marks | 30         |
| B.3.   | <b>Blacklisting Information</b><br>Not blacklisted by any reputed organization/utility in last 2 years: 20 marks<br>else 'Zero' marks                                                                                                                                                                                                                                                                                                                     | 20         |

- Bidder shall be considered as technically qualified if they are able to achieve a technical score of  $>70$  marks on the above parameters. 'A' or 'B'.
- The bidder must have the PF and ESI registration. In case it is not there (provided the bidder is not exempted from the PF and ESI), bidder shall not be evaluated on the above parameters and will be considered as disqualified.

## 5.0 PRICES/RATES/TAXES

The Prices and Rates are inclusive of cost of materials supplied as per contract terms and for which MDCC is issued by TPCODL and to the extent required for completion of works, cost of service executed as per schedule of quantities, cost of testing as per contract terms, cost of documentations including all relevant test certificates and other supportive documents to be furnished as per contract terms. The rates shall remain firm till actual completion of contract.

The Prices/Rates are inclusive of all taxes, levies, cesses and duties, particularly Goods and Services Tax as applicable. All government levy / taxes shall be paid only when the invoice is submitted according to the relevant act.

The prices shall remain unchanged irrespective of TPCODL making changes in quantum in all or any of the schedules of items of contract.

### 5.1 Changes in Statutory Tax Structure

If rate of any or all of the statutory taxes and duties applicable to the contract changes, such changes shall be incorporated by default if the changes occur within the contract execution time and shall be applicable if the contract is executed by the Associate within the Contract Execution Time.

For execution of contracts beyond contract execution time, where the delay is not attributable to TPCODL no upward revision in tax /duties shall be considered irrespective of changes in the statutory tax structure either within the contract execution time or beyond. However, in such cases, benefits due to any downward revisions in statutory tax rates shall be passed on to TPCODL.

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## 6.0 TERMS OF PAYMENT

### 6.1 Pre-Requisites for Payment

- Associate should have completed execution of that part of contract, for which payment is sought, to the satisfaction of TPCODL's Engineer-in-Charge responsible for the contract and obtained certification for execution of the work.
- Associate has taken C-3 Form
- Associate has undertaken joint measurement of the work executed along with TPCODL's Engineer-in-charge.
- Associate's bills/invoices submitted have been certified by Engineer-In-Charge.

### 6.2 Bills & Invoices

Unless specified otherwise in the special conditions of contract, Associate shall raise not more than one invoice/contract per month for the services rendered in the prescribed Tax Format and the invoice shall be submitted within 15 days of the following month at Invoice Desk, TPCODL Bhubaneswar.

All Bills shall be supported by joint measurement of work done, quality test report and a copy of wage sheet, if applicable (showing proof of having disbursed wages as per applicable law) and a copy of statement substantiating that statutory payments having been affected.

Bills/ invoices shall mention Associate's 'Sales, Service, WCT Tax Registration Number, PAN number as applicable.

Final bill submission after completion of project or execution of job must be within 30 days from the actual date of completion/execution of work awarded.

### 6.3 Payment & Statutory Deductions

Payment shall be released within 30 days from the submission of the bills. The associate shall submit "No Demand Certificate" in the format as per Annexure-D at the time of receipt of full and final payment. In case any non-compliance to contract conditions comes to TPCODL's notice, TPCODL will be entitled to deduct 30% of estimated wages plus 20% of wages as TPCODL's overheads. Associates would be obliged to provide the copy of monthly wage sheet in any case, failing which no payment shall be made. TPCODL at their sole discretion may deposit the PF etc. with statutory authorities. TPCODL will deduct the amounts of TDS as per statutory requirement under the income tax act and the DVAT Act and certificates (wherever applicable) will be issued to associate accordingly

In case of non-submission of PAN No TDS @ 20% shall be deducted from all payable amounts for which no TDS certificate shall be issued. TDS once deducted as above shall not be revised in any condition.

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### 6.3.1 Statutory Deductions

TPCODL will deduct the amounts of TDS, TCS as per statutory requirement under the income tax act, the Goods and Services tax act, BOCW Act, or any other applicable tax act and certificates (wherever applicable) will be issued to associate accordingly.

For consumption of TPCODL's Water and Electricity by Associate for execution of Contract, Associate shall pay 0.5% & 1.0% respectively of contract value and it shall be deducted from the running bills.

The Engineer-in-Charge as stated in the Order shall be responsible for certification of the work executed and the bills. Bills (including original) shall be submitted in triplicate at Bill Inward Receipt Desk (BIRD) located at Third Floor, IDCO Towers, Janpath, Bhubaneswar..

### 6.4 Guidelines for Raising Running/ Final Bills

|                                  |                                       |
|----------------------------------|---------------------------------------|
| Contract Value Up to 5 Lakhs     | One Final Bill                        |
| Contract Value More than 5 lakhs | Monthly Running Bill & One Final Bill |

All Bills shall be processed only when all bank Guarantees are in place and before payments of Final Bill Associate have to furnish No Demand Certificate, as applicable.

### 6.5 Quantity Variation

Payment will be made on the basis of actual quantity of supplies/actual measurement of works accepted by TPCODL and not on the basis of contract quantity.

### 6.6 Full and Final Payment

Full & Final Payment in all contracts shall be made subject to the associate submitting "No Demand Certificate", in the format as per Annexure-C.

## 7.0 MODE OF PAYMENT

Payment shall be made through Cheque or RTGS whichever of the two modes chosen by the Associate, in favour of Associate's Bank Account on TPCODL records, on whose name Contract has been issued. Those Associates opting for the RTGS mode shall submit the details of Bank Account and other details as per annexure J. Further, for any payments made, TPCODL is not responsible for any consequences/disputes Associate have among the owners channel partners, sub-Associates and all such dispute/concerns shall be settled solely by the Associate.

In case of service contracts, mostly the quantities of items indicated are estimated and preliminary. However, payments shall be made on the basis of actual quantity of work carried out and measured jointly by the Company and the Associate. Associates shall be responsible to organize joint measurements of works with TPCODL Engineer-in-Charge before raising any bill of work done. In the event Associate fails to do so, TPCODL at their sole discretion, may take measurements of work done and proceed as deemed fit and in such an event Associate's right to lodge any subsequent claim shall stand forfeited.

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## 8.0 SECURITY CUM PERFORMANCE DEPOSIT

Associates shall submit within 15 days from the effective date of issue of PO/RC, Security cum Performance Bank Guarantee (SPBG) in the format as per Annexure B of this document from banks acceptable to TPCODL for:

(a) 5% of the PO value if purchase order value is more than Rs 5 Crores.

(b) 10% of the PO value if purchase order value is less than Rs 5 Crores.

This shall remain valid till the end of the Guarantee Period of contract, plus one month.

(c) 5% of the RC value in case of Rate Contract. This shall remain valid till the Guarantee period plus one month.

- For PO/RC values less than Rs. 5 lacs, Associate may request for deduction of amount equivalent to SPBG value from their first invoice. Such amount shall be withheld by TPCODL while processing the invoice and shall be released after completion of Guarantee Period plus one month.
- For PO/RC values less than Rs. 3 lacs, the clause (8.0) for Security cum Performance Bank Guarantee (SPBG) shall not be applicable.
- In case of RC (Rate Contract) after the expiry of RC validity, Associate shall have to submit SPBG. However, the Associate has the option to re-submit the SPBG as per actual RO (Release Order) value issued against the RC, valid for Guarantee Period plus one month. The Guarantee Period shall be considered as per the last RO issued against the said RC. The original SPBG as submitted against the RC shall be released on submission of the new SPBG to TPCODL. Alternatively, Associate may extend the validity of original SPBG only till the requisite period, i.e. guarantee period plus one month.

## 9.0 STATUTORY COMPLIANCE

### 9.1 Compliance to Various Acts

Associate should ensure adherence to the Anti-Lobbying, Debarment, Drug-Free, Child Labour, Factories Act and Shop and Establishment Workplace Certification, Registration details under GST, Sales Tax and Works Contract Tax Act.

Associate shall bear the entire responsibility, liability and risk relating to coverage of its workforce under different statutory regulations including Workman's Compensation Act, ESI Act, Factories Act, 1948, the Contract Labour (Regulation and abolition) Act 1970, and any other relevant regulations as the case may be. Associate shall also be solely responsible for the payment of all benefits such as Provident Fund, ESI, Bonus, Leave compensation and other benefits as may be applicable under applicable labour laws, etc. as per the various statutory regulations and shall keep TPCODL indemnified in this regard against any such claim and provide documentary evidences of the same to TPCODL. TPCODL shall be entitled to, if necessary, make such payment and recover the amount from Associate.

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Associate should ensure adherence to all applicable laws, rules and regulation applicable under this contract from time to time. In case of violation any risk, costs etc. shall be in associates account and keep TPCODL indemnified always till completion of contracts.

## 9.2 SA 8000

TPCODL expects its Associates to follow guidelines of SA 8000:2014 on the following aspects

1. Child Labour
2. Forced or Compulsory Labour
3. Health & Safety
4. Freedom of Association & Right to Collective Bargaining
5. Discrimination
6. Disciplinary Practices
7. Working Hours
8. Remuneration
9. Management System

## 9.3 Affirmative Action

TPCODL appreciate and welcome the engagement/employment of persons from SC/ST community or any other deprived section of society by their business associates.

### Relaxation in Contract Clauses under Affirmative Action for SC/ ST Business Associates\*\*

TPCODL believes that inclusive growth is the key to sustainable development, and to promote the same Policy on Affirmative Action for Scheduled Caste & Scheduled Tribe Communities has been adopted across the company.

Under the same pre-text, and to promote entrepreneurship among SC/ST community TPCODL has taken initiative by proposing relaxations in contract clauses as per below:

| S.No. | Initiative                 | for SC/ ST BA's                                                          | Guideline Document           |
|-------|----------------------------|--------------------------------------------------------------------------|------------------------------|
| 1     | Tender Fees                | 100% waiver for SC/ST community                                          | All Open Tenders             |
| 2     | Earnest Money Deposit      | 50 % relaxation of estimated EMD value                                   | All limited and Open Tenders |
| 3     | Performance Bank Guarantee | 50% relaxation in PBG for order value above 50 lacs else 25% relaxation  | All limited and Open tenders |
| 4     | Turnover                   | 25% relaxation in company turnover under qualifying requirement criteria | All Open Tenders             |

**\*\*Classification of BA s under SC/ST shall be governed under following guidelines:**

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- Proprietorship/ Single Ownership Firm: Proprietor of the firm should be from SC/ST community. Governing document shall be duly audited latest balance sheet bearing name of all the partners.
- Partnership Firm: Only such firms shall qualify which have SC/ST partners holding equal to or more than 50% of the total ownership pattern of the firm. Governing document shall be Partnership Deed and duly audited latest balance sheet bearing name of all the partners.
- Private limited company: Only such firms shall qualify which have SC/ST directors holding equal to or more than 50% of the total ownership pattern of the firm. Governing document shall be Memorandum of Understanding (MoU) and/or Article of Association (AoA).

*## Certification from SC/ST commission shall be required for deciding upon SC/ST status of a person.*

#### **9.4 Compliance to Labour Laws**

Bidder needs to ensure compliance to applicable labour laws including timely disbursement of wages. In case wages are not disbursed as per the stipulated timelines, then TPCODL shall pay the wages to BA employees on behalf of BA. Apart from deducting the amount of wages paid, TPCODL shall deduct an additional service charge equivalent to 25% of the wages paid from the payment due to BA.

#### **9.5 Compliance to Construction and Demolition Waste Management Rules & Environment (Protection) Amendment Rules**

BA is liable to follow the Construction and Demolition Waste Management Rules- 2016, Environment (Protection) Amendment Rules- 2018 and Guidelines on dust mitigation measures in handling construction material and C&D wastes issued by CPCB.

Following are some main points of above Rules/Guidelines for Construction work, cable laying jobs etc.

1. Barricading to be provided at site to cover complete area.
2. Construction material and waste should be inside the closed area made by using barricading.
3. Water sprinkling/fine spray from nozzles to be done to suppress the dust.
4. The board of Dust mitigation measures shall be displayed at site for public viewing with required details.
5. Loose sand or soil and construction material that causes dust shall be covered.
6. Transport material that are easily wind borne need to be covered by a sheet made of either jute, tarpaulin, plastic or any other effective material.
7. All areas for storing C&D waste/construction material to be demarcated and preferably barricaded particularly those materials that have potential to be dust borne.
8. Grinding and cutting of building materials in open area shall be prohibited.
9. Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.
10. No uncovered vehicles carrying construction material and waste shall be permitted.
11. Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures to be notified at the site.

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## **10.0 QUALITY**

### **10.1 Knowledge of Requirements**

The Associate shall be deemed to have carefully examined and to have knowledge of the equipment, the general and other conditions, specifications, schedules, drawings, etc. forming part of the Contract and also to have satisfied himself as to the nature and character of the work to be executed and the type of the equipment and duties required including wherever necessary of the site conditions and relevant matters and details. Any information thus procured or otherwise obtained from TPCODL/Consultants shall not in any way relieve the Associate from his responsibility and executing the works in accordance with the terms of contract.

### **10.2 Adherence to Rules & Regulations**

The Associate shall procure and/or fabricate/erect all materials and equipment in accordance with all requirements of Central and State enactment, rules and regulations governing such work in India and at site. This shall not be construed as relieving the Associate from complying with any requirement of TPCODL as enumerated in the Contract which may be more rigid than and not contrary to the above mentioned rules, nor providing such construction as may be required by the above mentioned rules and regulations. In case of variance of the Technical Specification from the laws, ordinance, rules and regulations governing the work, the Associate shall immediately notify the same to the TPCODL. It is the sole responsibility of the Associate, however, to determine that such variance exists. Wherever required by rules and regulations, the Associate shall also obtain the statutory authorities' approval for the plant, machinery and equipment to be supplied by the Associate.

### **10.3 Specifications and Standards**

The Associate shall follow all codes and standards referred in the Contract Document. Codes and standards of other may be followed by the Associate with the prior written approval of TPCODL, provided materials, supplies and equipment according to the standard are equal to or better than the corresponding standards specified in the Contract.

Brand names mentioned in the Contract documents are for the purpose of establishing the type and quality of products to be used. The Associate shall not change the brand name and qualities of the bought out items without the prior written approval of the TPCODL. All such products and equipment shall be used or installed in strict accordance with original manufacturer's recommendations, unless otherwise directed by the TPCODL. In any circumstances the codes, specimen and standards prescribed by any government agency should not be violated.

## **11.0 SAFETY**

All Associates shall strictly abide by the guidelines provided in TPCODL's Contractor Safety Management System (CSMS) as applicable at all stages during the contract period. Associate shall execute the contracts ensuring the following in and as order of priority:

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- Safety of Human Beings.
- Safety of Equipment/Assets.
- Timely Completion of Contract.

Safety related requirements as mentioned in our Contractor Safety Management System is attached as annexure K and is an integral part of this GCC. TPCODL may revise this CSMS document as a when required and the revised version shall be applicable on all contracts – current or future.

## **12.0 GUARANTEE**

### **12.1 Guarantee of Performance**

Associates shall stand guarantee that the equipment and material supplied/service or work rendered under the contract is free from design, manufacturing, material, construction, erection & installation and workmanship & quality defects and is capable of its due, rated and intended quality performance, as an integrated product delivered under the contract or a specific period termed as Guarantee Period(as elaborated elsewhere in this clause) The Associate should also guarantee that the equipment/material is new and unused except for the usage required for the tests and checks required as part of quality assurance.

### **12.2 Guarantee Period**

The Guarantee Period will be equipment/service/work specific and shall be as specified in the Standard Specifications of TPCODL for the equipment/material/service/work and where standard specifications are not part of contract documents or guarantee period is not specified in the standard specifications,, the guarantee period shall be as per the Special Terms and Conditions of the Contract. In case of no mention of the guarantee period in standard specifications or SCC Guarantee Period will be 12 Months from the Date of Commissioning or 24 months from the date of delivery of final lot of supplies made, whichever is earlier.

### **12.3 Failure in Guarantee Period (GP)**

If the equipment and material supplied/service or work rendered under the contract fails to perform its due, rated & intended quality performance, during the Guarantee period, the associate is liable to undertake repair/rectify/replace the equipment and material supplied/service or work rendered under the contract within time frame specified in the SCC or elsewhere in the contract documents at associate's cost to make the equipment and material supplied/service or work rendered under the contract of performing its due, rated and intended quality performance. If Associate fails to repair/rectify/replace the equipment or material supplied/service or work rendered under the contract, failed in Guarantee Period, TPCODL will be at liberty to get the same done at Associate's risks and costs and recover all such expenses plus the TPCODL's own charges (@ 20% of expenses incurred), from the Associate or from the "Security cum Performance Deposit" as the case may be.

If during the Warranty/ Guarantee period some parts of the supplies are replaced owing to the defects/ damages under the Warranty, the Warranty period for such replaced parts shall be until the expiry of twelve months from the date of such replacement or renewal or until the end of original Guarantee period, whichever is later.

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Any repairs during the Guarantee Period shall be carried out by the Associate within 30 days of reporting the issue to Associate by TPCODL. However, if replacement of the Equipment is required, Associate shall notify the same to TPCODL within 7 days of reporting the issue by TPCODL. Thereafter, the total time for supply of new equipment/ material shall be equal to the original delivery period of that equipment/ material as specified in the Contract. In case the Associate is not able to rectify/ replace the faulty equipment/ material within the stipulated timelines as mentioned above, penalty shall be levied as per the Liquidated Damages clause mentioned in this document. The penalty amount shall be recovered from the payment due to the vendor or by encashment of the SPBG as the case may be.

#### **12.4 Cost of repairs on failure in GP**

The cost of repairs/rectification /replacement, apart from the actual cost of repairs/rectification/replacement is also inclusive of all associate costs of required transportation, site inspection /mobilization/dismantling and re-installation costs as applicable. The Associate has to ensure that the interruption in the usage of intended purpose of the equipment is minimized to the maximum extent In lieu of the time taken for repairs/rectification/replacement.

#### **12.5 Guarantee period for Goods Outsourced**

If the Associate outsources partly equipment/materials/services from third party as mutually agreed upon at the pre award stage of contract, TPCODL shall have the benefit of any additional guarantee period if provided by the third party for the part supplied/executed by them.

#### **12.6 Latent Defect**

Hidden defects in manufacturing or design of the product supplied and which could not be identified by the tests conducted but later manifested during operation of the equipment are termed as latent defects. Associates shall further be responsible for 'free replacement' for another period of THREE years from the end of the guarantee period for any 'Latent Defects' if noticed and reported by the Company.

### **13.0 LIQUIDATED DAMAGES**

- a) For Services which are of standalone use, multiple in quantities and having a single final completion schedule, Liquidated damages shall be levied without prejudice to any of the other contractual rights of TPCODL, as described below:

For delay of each week and part thereof from the completion schedule specified in the contract, 1% of contract value corresponding to unexecuted work, provided full execution is done within 130% of the original contract time. If full contractual service/work rendered is not completed within 130% of contract time for execution, TPCODL has the right to levy LD on the entire contract value, subject to a maximum of 10% of the total contract value.

- b) For services having phased completion schedule(milestone) as per contract terms, standalone use and multiple in quantities, Liquidated damages shall be levied without prejudice to any of the other contractual rights of TPCODL, as described below:

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For the purpose of calculating and applying LD, each milestone shall be considered separately. For delay of each week and part thereof, from the execution of work schedule specified in the milestone, 1% of the contract value corresponding to the unexecuted work of the milestone, subject to a maximum of 10% of the total contract value of that milestone shall be levied. However, if full contractual service/work rendered is not completed within 130% of contract time for execution, TPCODL has the right to levy LD on the entire contract value, subject to a maximum of 10% of the total contract value. Deduction of LD shall be on landed cost i.e contract value inclusive of taxes and in pursuant statutory compliance GST would be applicable at the stipulated rate and the same shall be borne by Business Associate. In case of LD deduction, a GST invoice shall be issued by TPCODL as a proof of deduction/ recovery.

### **13.1 LD Waiver Request**

Any request of LD waiver shall be submitted within thirty (30) days of deducting LD. Request submitted beyond the timeline shall not be entertained.

### **13.2 Material Recovery**

In case of any recoveries for materials or services (for material free issued by TPCODL and not reconciled by BA or for services claimed and paid in excess at the time of running bills), the total cost which shall be recovered from the BA, shall be the gross amount of material or services (i.e. including taxes) plus applicable taxes as prevailing at the time of such recoveries.

### **14.0 ASSIGNMENT OR SUBCONTRACTING**

Associates shall not assign/subcontract/outsource the schedule of activities of contract TPCODL enters with the associate, in part or full, without TPCODL's prior written approval. However outsourcing of materials/equipment/services by Associate to make the integrated product for which TPCODL's has placed the contract with the associate from suppliers, makes and agencies which have been mutually agreed upon during contract pre-award stage is permitted subject to following conditions.

In such cases where outsourcing is done by the Associate

- Shall ensure that outsourced suppliers comply with the technical and financial qualification requirements specified by TPCODL in the contract document
- Shall furnish all particulars about the proposed outsourcing agencies and the details of the goods/services/work outsourced to the Associate while seeking approval of TPCODL for inclusion for outsourcing. The Associate shall give approval or shall refuse approval in writing within thirty (30) days of receipt of such request. However the Associate shall not be entitled for any additional contract execution time whatsoever in lieu of the process for approval for outsourcing agencies, and shall be held responsible for any delay in the project execution time.
- Shall remain jointly and severally liable for any action, deficiency, and/or negligence on the part of his outsourcing agencies. The approval extended by the Associate to outsourcing agencies recommended by the Associate shall not discharge the later from his Contract obligations.

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Shall submit to the Associate unpriced copies of purchase orders with technical specifications included in the orders, placed on outsourcing agencies as soon as the respective orders have been placed by the Associate.

## **15.0 UNLAWFUL ACTIVITIES**

The Associate shall have to ensure that none of its employees are engaged in any unlawful activities (whether covered under the scope of the present GCC or not) subversive of the TPCODL's interest failing which appropriate action (legal or otherwise) may be taken against the Associate by the TPCODL, in accordance with the terms of the present GCC.

## **16.0 CONFIDENTIALITY**

Associate and its employees or representatives thereof shall strictly maintain the confidentiality of various information they come across while executing the contract as detailed below.

### **16.1 Documents**

All maps, plans, drawings, specifications, schemes and other documents or information related to the Contract/Project and the subject matter contained therein and all other information given to the Associate by the TPCODL in connection with the performance of the contract shall be held confidential by the Associate and shall remain the property of the TPCODL and shall not be used or disclosed to third parties by the Associate for any purpose other than for which they have been supplied or prepared. The Associate may disclose to third parties, upon execution of confidentiality agreements, such part of the drawings, specifications or information if such disclosure is necessary for the performance of the Work provided such third parties agree in writing to keep such information confidential to the same extent and degree as provided herein, for the benefit of the TPCODL.

### **16.2 Geographical Data**

Maps, layouts and photographs of the unit/plant including its surrounding regions showing vital installation for national security of country or those of TPCODL shall not be published or disclosed to the third parties or taken out of the country without prior written approval of the TPCODL and upon execution of confidentiality agreements satisfactory to the TPCODL with such third parties prior to disclosure.

### **16.3 Associate's Processes**

Title to secret processes if any developed by the Associate on an exclusive basis and employed in the design of the equipment shall remain with the Associate. TPCODL shall hold in confidence such processes and shall not disclose such processes to the third parties without prior approval of the Associate and execution by such third parties of secrecy agreements satisfactory to the Associate prior to disclosure. Upon completion of contract, such processes shall become the property of the TPCODL. Title to technical specifications, drawings, flow sheets, norms, calculations, diagrams, interpretations of test results, schematics, layouts and such other information, which the Associate has supplied to the TPCODL under the Contract shall be passed on to the TPCODL. The TPCODL shall have the right to use these for

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construction, erection, start-up, Trial Run, operation, maintenance, modifications and/or expansion of the works including for the manufacture of spare parts.

#### **16.4 Exclusions**

The provision of Clauses 16.1 to 16.3 shall not apply to information:

- Which at the time of disclosure are in the public domain which later on become part of public domain through no fault of the party concerned, or
- Which were in the possession of the party concerned prior to disclosure to him by the other party, or
- Which were received by the party concerned after the time of disclosure without restriction on disclosure or use, from a third party who did not acquire such information directly or indirectly from the other party or has no obligation of confidentiality for such information.

#### **16.5 Violation**

In case of violation of this clause, the Associate is liable to pay compensation and damages as may be determined by the competent authority of TPCODL.

#### **17.0 INTELLECTUAL PROPERTY RIGHTS**

If, in the course of performance of its functions and duties as envisaged by the scope of the present GCC, the Associate acquires or develops, any unique knowledge or information which would be covered, or, is likely to be covered within the definition of a trademark, copyright, patent, business secret, geographical indication or any other form of intellectual property right, it shall be obliged, under the terms of this present GCC, to share such knowledge or information with the TPCODL. All rights, with respect to, or arising from such intellectual property, as afore mentioned, shall solely vest in TPCODL.

Moreover, the Associate undertakes not to breach any intellectual property right vesting in a third party/parties, whether by breach of statutory provision, passing off, or otherwise. In the event of any such breach, the Associate shall be wholly liable to compensate, indemnify or make good any loss suffered by such third party/parties, or any compensation/damages arising from any legal proceeding/s, or otherwise. No liability of TPCODL shall arise in this respect, and any costs, damages, expenses, compensation payable by TPCODL in this regard to a third party/parties, arising from a legal proceeding/s or otherwise, shall be recoverable from the Associate.

#### **18.0 INDEMNITY**

The Associate shall at all times indemnify, keep indemnified and hold harmless the TPCODL and its officers, directors, employees, affiliates, agents, successors and assigns against all actions, claims, demands, costs, charges and expenses arising from or incurred by reason of any infringement of patent, trade mark, registered design, copy rights and/or industrial property rights by manufacture, sale or use of the equipment supplied by the Associate whether or not the TPCODL is held liable for by any court judgement. In this connection, the TPCODL shall pass on all claims made against him to the Associate for settlement.

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The Associate assumes responsibility for and shall indemnify and save harmless the TPCODL from all liability, claims, costs, expenses, taxes and assessments including penalties, punitive damages, attorney's fees and court costs which are or may be required to be paid by the TPCODL and its officers, directors, employees, affiliates, agents, successors and assigns arising from any breach of the Associate's obligations under the Contract or for which the Associate has assumed responsibilities under the Contract including those imposed under any local or national law or laws, or in respect to all salaries, wages or other compensation for all persons employed by the Associate or his Sub-Associates or suppliers in connection with the performance of any work covered by the Contract. The Associate shall execute, deliver and shall cause his Sub-Associate and suppliers to execute and deliver, such other further instruments and to comply with all the requirements of such laws and regulation as may be necessary there under to conform and effectuate the Contract and to protect the TPCODL.

The TPCODL shall not be held responsible for any accident or damages incurred or claims arising, due to the Associate's error there from prior to completion of work. The Associate shall be liable for such accidents and after completion of work for such accidents as the case may be due to negligence on his part to carry out Work in accordance with Indian laws and regulations and the specifications set forth herein.

## **19.0 LIABILITY & LIMITATIONS**

### **19.1 Liability**

Except for any specific liability which may be identified in the Contract and which may be payable hereunder, Associate shall not be liable for any special, incidental, indirect, or consequential Damages or any loss of business Contracts, revenues or other financial loss (or equivalents thereof no matter how claimed, computed or characterized) arising out of or in connection with the Performance of the Work or supply of Goods ***unless caused by Associate's negligence, willful misconduct or breach of contract.***

If the Associate is a joint venture or consortium, all concerned parties shall be jointly and severally bound to the TPCODL for the fulfillment of the provisions of the Contract. The consortium or the joint venture shall designate one party as their leader, who will be the coordinator between the parties and TPCODL. The constituents & leader of the consortium or joint venture shall not be changed without the prior consent of TPCODL.

TPCODL shall have no liability or any special, incidental, indirect or consequential Damages for any loss of Business Contracts, revenues or other financial loss arising out of this Contract.

### **19.2 Limitation of Liability**

The total liability of Associate against any contract shall be limited to the Total All Inclusive Contract Value.

## **20.0 FORCE MAJEURE**

Force Majeure applies if the performance by either Party ("the Affected Party") of its obligations under Contract is materially and adversely affected.

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“Force Majeure” shall mean any event or circumstance or combination of events or circumstances referred below and their consequences that wholly or partly prevents or unavoidably delays any Party in the performance of its obligations under this Agreement, but only and to the extent that such events and circumstances are not within the reasonable control, directly or indirectly, of the Affected Party and could not have been avoided even if the Affected Party had taken reasonable care:

- Act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, embargo, blockade, revolution, riot, bombs, religious strife or civil commotion, etc.
- Politically motivated sabotage, or terrorism, etc.
- Action or Act of Government or Governmental agency for which remedy is beyond the control of the affected parties.
- Any act of God.

Note: Causes like power breakdown/ shortages/fire/strikes, accidents etc. do not fall under Force Majeure.

Time being the essence of the Contract, if either party is prevented from the performance of its obligations in whole or in part due to an event of Force Majeure, then provided Notice of happening of any event by the Affected Party is given to the other party within seven (7) days from the date of occurrence of such event, which DIRECTLY has impact on works and submitted details and quantum of resulting effect, but at the same time had made all possible efforts to mitigate and overcome effects thereof, the Affected Party's performance under this Contract shall be suspended until such event ceases and the Scheduled Completion shall be delayed accordingly.

If Force Majeure event(s) continue for a period of more than three months, the parties shall hold consultation to discuss the further course of action.

Neither party shall be considered to be in default or in breach of its obligation under the Contract to the extent that performance of such obligation by either party is prevented by any circumstances of Force Majeure which arise after effective date of Contract.

Neither party can claim any compensation from the other party on account of Force Majeure.

## **21.0 SUSPENSION OF CONTRACT**

### **21.1 Suspension for Convenience**

TPCODL may, at any time and at its sole option, suspend execution of all or any portions of the schedule of items of contract to be supplied/work to be executed by Associate under the contract by providing to the Associate at least two business days written notice for contracts having contract completion period less than sixty days and at least seven business day notice for all other contracts.

Upon receipt of any such notice, the Associate shall respond as follows as applicable as per contract construction.

- Immediately discontinue further supply of material/goods specified in the suspension notice for supply contracts

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- Immediately discontinue further service/work and supply of materials of those services/materials/work specified in the suspension notice for service /composite contract
- Promptly make every reasonable effort to obtain suspension, upon terms satisfactory to TPCODL, of all orders, outsourcing arrangements, and rental Contracts to the extent that they relate to performance of the portion of Work suspended by the notice.
- Protect and maintain the portion of the service/Work already completed, including the portion of the Work suspended hereunder, unless otherwise specifically stated in the notice.
- Continue delivering/carrying out the supply/service/work items as per contract conditions, which do not fall under purview of the suspension notice.

On receipt of resumption notice from TPCODL, the Associate shall resume execution of contract as specified in the resumption notice, within the time frame specified in the resumption notice.

## **21.2 Suspension for Breach of Contract conditions**

TPCODL shall suspend execution of whole/or part thereof the contract till such time Associate complies with the conditions stipulated under section clause 22 for breach/default of contract conditions.

## **21.3 Compensation in lieu of Suspension**

If the suspension of the contract in whole or in part is for convenience of TPCODL and not due to any breach of contract conditions by the associate, TPCODL at its discretion shall consider compensating all reasonable additional costs incurred by Associate in lieu of suspension of whole or part of contract, on representation of the Associate providing justified estimates of such additional costs and such estimates are found acceptable and approved by competent authority of TPCODL.

If the suspension of contract in whole or part thereof is due to breach of contract conditions (refer clause 24.3) by the Associate, Associate shall not be entitled for any compensation for any cost incurred in lieu of suspension of whole or part of contract and also shall be liable for compensating all the losses arising to TPCODL in lieu of suspension of contract. Resumption notice shall be subject to the Associate taking corrective action for the breach of contract conditions within the time frame and as per the terms specified in the suspension notice.

## **22.0 TERMINATION OF CONTRACTS**

### **22.1 Termination for Default/Breach of Contract**

The contract / PO shall be subject to termination by TPCODL in case of breach of the contract by the Associate which shall include but not be limited to the following:

- a. Withdrawal or intimation by the Associate of its intent to withdraw or surrender the execution / completion of the contracted work /PO or failure in ensuring adherence to any delivery schedules, in deviation of the contract/PO
- b. Refusal or neglect on the part of the Associate to supply material/equipment of quantity or quality as specified by TPCODL and within the timeframe as specified in the contract

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document or refusal or neglect to execute the services/work in terms of the agreed standards of quantity or quality and/or within the timeframe specified in the contract/PO.

- c. Failure in any respect to perform any portion of the Work contracted with promptness, diligence, or in accordance with the terms of the contract.
- d. Failure to furnish guarantees as specified and /or failure to comply with the terms thereof.
- e. Failure to furnish such relevant documents or information within the time specified which may be necessary for due execution / completion of the works and documentation.
- f. Liquidation, bankruptcy either voluntary or involuntary OR entering into any composition or compromise with its creditors, or Insolvency.
- g. In case any reasonable information has been received by TPCODL that Associate has adopted/ or attempted to adopt any unethical conduct, action in award of the contract /PO or at any time thereafter.
- h. Failure to comply with applicable statutory provisions as contained in the contract or failure to comply with the applicable laws.
- i. Failure to comply with safety regulations/clauses stipulated in the contract or as may be generally instructed by TPCODL.

If the default or breach as specified under clause 22 (except sub clause g thereof) be committed by the Associate for the first time, TPCODL shall issue, along the with notice of default or breach, a warning notice instructing the associate to take remedial/corrective action within the time frame stipulated in the warning notice and not to repeat the same in future. The timeframe for corrective action by the associate shall be specific to the nature of breach of contract and the same shall not be objected to by the Associate. If the Associate fails to comply with the instructions in the warning notice or in taking corrective action to the satisfaction of TPCODL then TPCODL may terminate the entire or part of contract at its discretion by issuing termination notice without incurring any liability on this ground.

In case the contract is terminated for any breach of the nature specified in clause 24 g stated above, TPCODL shall have the right to terminate all the contracts TPCODL is having with the Associate by issuing termination notice which shall be without prejudice to the other rights of TPCODL available to it under law.

Without prejudice to its right to terminate for breach of contract, TPCODL may, without assigning any reason, terminate the Contract in whole or in part at any time at its discretion while the contract is in force by serving a written notice of two weeks to the Associate.

In the event of TPCODL having proceeded with termination of the contract the associate shall comply and proceed further in the following manner:

- a. Associate shall discontinue the supply, on the expiry of the said period of two weeks.
- b. Associate shall ensure that no further steps are being taken towards discharge of the obligations, terms and conditions as contained in the contract/PO. This shall include initiation of actions not limited to discontinuation of other allied and associated

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arrangements which the associate might have entered into with third parties for due discharge of its obligations under the contract with TPCODL.

- c. The Associate shall perform thereafter such tasks as may be necessary to preserve and protect the terminated portion of the material/service/work in progress and the materials and equipment at TPCODL sites or in transit thereto. However the associate shall continue to fulfill its contractual obligations with regard to the part of contract not terminated.
- d. It shall be open for TPCODL to conduct a joint assessment with the associate of the material ,supplies, equipment ,works or in general as to the subject matter of the contract in regard to which the associate claims having completed its obligations before or during such termination.
- e. It shall be open to TPCODL to seek invocation of the performance bank guarantee or any other guarantee or other security deposit by whatever name called submitted by the associate, which shall not be objected to or protested against by the associate.

In case of termination of the contract the parties agree to be governed inter alia by the following:

- a. In case TPCODL exercises its right of termination as stated above the associate shall not dispute or object to the same.
- b. The Associate shall be entitled to receive and claim only such payments OR sums of money from TPCODL as may be found payable to it in regard to works executed by it under the terms of the contract and no other claim of any nature whatsoever shall be made by the Associate.
- c. All such provisions which the parties have agreed to survive and prevail even after termination of the contract shall remain effective despite the termination.

In the event of such termination, TPCODL may finish the Work by whatever method it may deem expedient, including the hiring of services and /or purchase of material equipment from such third parties as TPCODL may deem fit or may itself provide any labor or materials and perform any part of the Work. The associate undertakes to bear the incremental costs if any paid by TPCODL in such a case attributable to failure on the part of the associate. The Associate in such a case shall not be entitled to receive any further payments and any sums found payable to it may be adjusted by TPCODL against the amount recoverable from him on this ground. The same shall be without prejudice to other rights available to TPCODL under law against the associate.

Upon the termination of any of the contract due to occurrence of any circumstances provided in clauses stated above and constituting repeated breach or misconduct, TPCODL shall be entitled to bar the associates its agents, affiliates from undertaking any negotiation / tendering, bidding, participation activities concerning TPCODL for a period of two years from date of such termination. The same shall be without prejudice to other rights available to TPCODL.

## **22.2 Termination for convenience of Associate**

Associate at its convenience may request for termination of contract, clearly assigning the reason for such request. TPCODL has full right to accept, reject or partially accept such request.

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This convenience will be available to associate only after one year from the contract effective date. For this purpose, associate will provide a notice period of 90 days to TPCODL, Associate will have to pay TPCODL a 'termination convenience fee' equivalent to 5% of unexecuted contract value.

### **22.3 Termination for Convenience of TPCODL**

TPCODL at its sole discretion may terminate the contract by giving 30 days prior notice in writing or through email to the Associate. TPCODL shall pay the Associate for all the supplies/ services rendered till the actual date of contract termination against submission of invoice by the Associate to that effect.

## **23.0 DISPUTE RESOLUTION & ARBITRATION**

In case of any dispute or difference the parties shall endeavour to resolve the same through conciliatory and amicable measures within 15 Days failing which the matter may be referred by either party for resolution by the sole arbitrator to be appointed mutually by both the parties. The arbitral proceedings shall be conducted in accordance with Arbitration and Conciliation Act 1996 and the place of arbitration shall be Bhubaneswar. The language to be used at proceedings shall be English and the award of the arbitrator shall be final and binding on the parties. The parties shall bear their respective costs of arbitration. The associate shall continue to discharge its obligations towards due performance of the works as per the terms of the contract during the arbitration proceedings unless otherwise directed in writing by TPCODL or suspended by the arbitrator. Further, TPCODL shall continue making such payments as may be found due and payable to the associate for such works.

### **24.0 Governing laws and jurisdiction**

The parties shall be subject to the jurisdiction of the courts of law in Bhubaneswar and any matter arising here from shall be subject to applicable law in force in India.

## **25.0 ATTRIBUTES OF GCC**

### **25.1 Cancellation**

The Company reserves the right to cancel, add, delete at its sole discretion, all or any terms of this GCC or any contract, order or terms agreed between the parties in pursuance without assigning any reasons and without any compensation to the Associates.

### **25.2 Severability**

If any portion of this GCC is held to be void, invalid, or otherwise unenforceable, in whole or part, the remaining portions of this GCC shall remain in effect.

### **25.3 Order of Priority**

In case of any discrepancies between the stipulations in General Conditions of the Contract (GCC) and Special Conditions of Contract (SCC), the GCC shall stand superseded by the SCC to the extent stipulated hereinabove while balance portion of respective clauses of GCC shall continue to be applicable.

## **26.0 INSURANCE**

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The Associate shall arrange accident insurance policy for his foreign experts/specialists/personnel deputed to Site and Associate's/his sub-Associates' manufacturing works as well as for his Indian engineers and supervisory staff. The Associate shall also take out for his Indian workmen, where applicable, a separate policy as required under Workmen's Compensation Act.

Associates shall be responsible to suitably insure their entire work-force (to the extent of at least meeting requirements under Workmen Compensation Act) Tools, Plant, Third party liability at the project site, All Risk comprehensive insurance for the entire works (insurance for free issue items will be in TPCODL scope) for total contract value or any other such risks during execution of works, till the works are handed over to the company, in consultation with TPCODL and shall submit copies of such insurances to the Engineer-in-Charge for review / acceptance before commencing the work. Engineer-in-charge must ensure compliance to insurance requirement by Associate before commencement of works. TPCODL shall stand fully indemnified in this respect.

## **27.0 ERRORS AND OMISSIONS**

The Associate shall be responsible for all discrepancies, errors and omissions in the drawings, documents or other information submitted by him, irrespective of whether these have been approved, reviewed or otherwise accepted by the TPCODL or not. However any error in design/drawing arising out of any incorrect data/written information from TPCODL will not be considered as error and omissions on part of the Associate.

## **28.0 TRANSFER OF TITLES**

The title of ownership and property to all equipment, installations, erections, constructions materials, drawings & documents shall pass to the TPCODL is after commissioning and complete handing over-taking over.

However, such passing of title of ownership and property to the TPCODL shall not in any way absolve, dilute or diminish the responsibility and obligations of the Associate under this Contract including loss or damages and all risks, which shall vest with the Associate.

The Associate shall take all corrective measures arising out of discrepancies, errors and omissions in drawings and other information within the time schedule and without extra cost to the TPCODL.

The Associate shall also be responsible for any delay and/or extra cost if any, in carrying out engineering, and site works by other agencies arising out of discrepancies, errors and omissions stated in as well as of any late revision/s of drawings and information submitted by the Associate.

## **29.0 SUGGESTIONS & FEEDBACK**

We welcome all our Business Associates to write to us about their experience with TPCODL; be it our Company, our services or our people. Each and every concern, issue, query and suggestion from you will help us to become a better company to work with and shall help us develop a strong bonding of trust and a long term relationship with you.

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You may send your feedback by filling up our Business Associate Feedback Form enclosed herewith as *Annexure-I*. You can also log on to our website [www.tpcentralodisha.com](http://www.tpcentralodisha.com) to provide your feedback according to the guidelines mentioned below:

### 30.0 CONTACT POINTS

In case Business Associate needs information with respect to payments or has any grievances, same may be lodged by log on to our website [www.tpcentralodisha.com](http://www.tpcentralodisha.com).

### 31.0 LIST OF ANNEXURES

| S. No. | Subject                                                               | Annexure |
|--------|-----------------------------------------------------------------------|----------|
| 1.     | Performa for Bid Security Bank Guarantee                              | A        |
| 3.     | Performa for Performance Bank Guarantee (CP cum EP)                   | B        |
| 4.     | Performa for No Demand Certificate by Associate                       | C        |
| 5.     | Performa for Indemnification on Statutory Compliance                  | D        |
| 6.     | Performa For Application For Issuance of Consolidated TDS Certificate | E        |
| 7.     | HR Service Level Agreement                                            | F        |
| 8.     | Under taking for competence of workmen                                | G        |
| 9.     | Business Associate Feedback Form                                      | H        |
| 10.    | Acceptance Form For Participation In Reverse Auction Event            | I        |
| 11.    | Form for RTGS Payment                                                 | J        |
| 12.    | Contractor Safety Management System                                   | K        |
| 13.    | Vendor Appraisal Form                                                 | L        |

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## **ANNEXURE-A**

### **PROFORMA FOR BID SECURITY BANK GUARANTEE**

**TP Central Odisha Distribution Limited**

**Bhubaneswar**

HEREAS, (Name of the Bidder) ..... (hereinafter called "the BIDDER") has submitted his bid dated ..... for the (Name of Contract) ..... (hereinafter called "the BID").

KNOW ALL men by these presents we (Name of the Bank) ..... of (Name of the Country) ..... having our registered office at ..... (hereinafter called "the BANK") are bound unto TP Central Odisha Distribution Limited (TPCODL) in the sum of ..... for which payment well and truly to be made to the TPCODL the Bank binds himself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this ..... day of ..... 20 .....

The CONDITIONS of this obligation are:

- i) If the Bidder withdraws his Bid during the period of bid validity specified in the Proforma of Bid
- or
- ii) If the Bidder having been notified of the acceptance of his Bid by the TPCODL during the period of bid validity fails or refuses to furnish the Contract Performance Bank Guarantee, in accordance with the Instructions to Bidders.

We undertake to pay the TPCODL upto the above amount upon receipt of its first written demand, provided that in its demand the TPCODL will note that amount claimed by it is due to it owing to the occurrence of one or both conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force upto and including the date (No of days as mentioned in tender enquiry) days after the closing date of submission of bids as stated in the Invitation to Bid or as extended by you at any time prior to this date, notice of which extension to the Bank being hereby waived, and any demand in respect thereof should reach the Bank not later than the above date.

**DATE**.....

**SIGNATURE OF THE BANK**.....

**WITNESS**.....

**SEAL**.....

(Signature, Name & Address)

(At least 2 witnesses)

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### **ANNEXURE- B**

### **PROFORMA FOR PERFORMANCE BANK GUARANTEE (CP cum EP)**

**(On Rs.100/- Stamp Paper)**

**Note:**

- (a) Format shall be followed in toto
- (b) Claim period of one month must be kept up
- (c) The guarantee to be accompanied by the covering letter from the bank confirming the signature to the guarantee

**TP Central Odisha Distribution Limited**

**Bhubaneswar**

**CP cum EP BG No.....**

**Order/Contract No.....dated.....**

- You have entered into a Contract No \_\_\_\_\_ with M/s. \_\_\_\_\_ (hereinafter referred to as "the Vendor") for the supply cum erection / civil work of \_\_\_\_\_ (hereinafter referred to as "the said Equipment") for the price and on the terms and conditions contained in the said contract.
- In accordance with the terms of the said contract, "the Vendor" agreed to furnish you with an irrevocable, unconditional and acceptable bank guarantee for 10% of the value of contract and to be valid till the end of Guarantee period plus one month towards "Contract cum Equipment performance". For this purpose you have agreed to accept the guarantee.
- In consideration thereof, we, \_\_\_\_\_ hereby irrevocably and unconditionally guarantee to pay to you on demand but in any case before the end of five working days from the date of the claim and without demur and without reference to "the Vendor" such amount or amounts not exceeding the sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) being \_\_\_\_\_% (\_\_\_\_\_ percent) of the total value of the contract on receipt of your intimating that "the Vendor" has not fulfilled his contractual obligations. You shall be the sole judge for such non-fulfilment and "the Vendor" shall have no right to question such judgment.
- You shall have the right to file / make your claim on us under the guarantee for a **further period of one month** from the date of expiry.
- This guarantee shall not be revoked without express consent and shall not be affected by your granting time or any other indulgence to "the Vendor", which shall include but not be limited to, postponement from time to time of the exercise the same in you or any right which you may have against "the Vendor" and to exercise the same in any covenant contained or implied in the said contract or any other course or remedy or security available to you, and our Bank shall not be released from its obligations under this guarantee by your exercising

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any of your rights with reference to matters aforesaid or any of them or by reasons of any other act or forbearance or other acts of omission or commission on your part or any other indulgence shown by you or by any other matter or thing whatsoever which under the law would, but for this provision have the effect of relieving our bank from its obligation under this guarantee.

6. We also agree that you shall be entitled at your option to enforce this guarantee against our bank as a principal debtor, in the first instance, notwithstanding any other security or guarantee that you may have in relation to "the Vendor's" liabilities in respect of the premises
7. This guarantee shall not be affected by any change in the constitution of our Bank or "the Vendor" or for any other reason whatsoever.
8. Any claim / extension under the guarantee can be lodge-able at outstation banks or at Bhubaneswar branch and claim will also be payable at Bhubaneswar Branch (to be confirmed by Bhubaneswar Branch by a letter to that effect in case BG is from the branch outside Bhubaneswar)
9. Notwithstanding anything herein contained, our liability under this guarantee is limited to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) only and the guarantee will remain in force upto and including \_\_\_\_\_ (Date) and shall be extended from time to time for such period or period as may be desired by "the Vendor".
10. Unless a demand or claim under this guarantee is received by us in writing within one months from \_\_\_\_\_ (expiry date) i.e. on or before \_\_\_\_\_ (claim period end date), we shall be discharged from all liabilities under this guarantee thereafter.

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ 200\_\_

**Witness**

1. \_\_\_\_\_

Bank's rubber stamp

Banks full address

2. \_\_\_\_\_

Designation of Signatory

Bank official number

|            |                                                 |               |
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**ANNEXURE-C**

**PROFORMA FOR “NO DEMAND CERTIFICATE” BY ASSOCIATE**

(On Company's Letter head or with Company Seal)

(To be submitted by the Associate to TPCODL Accounts Department at the time of receipt of full and final payment)

**(Certificate No. CCP/002)**

Name of the Project

Order/ Contract No.

Dated

Name of the Associate

Scheme No. / Job No.

We, M/s. \_\_\_\_\_ (Associate) do hereby acknowledge and confirm that we have received the full and final payment due and payable to us from TPCODL, in respect of our aforesaid Order No \_\_\_\_\_ dated \_\_\_\_\_ including amendments, if any, issued by TPCODL to our entire satisfaction and we further confirm that we have no claim whatsoever pending with TPCODL under the said contract / W.O.

Notwithstanding any protest recorded by us in any correspondence, documents, measurement books and / or final bills etc., we waive all our rights to lodge any claim or protest in future under this contract.

We are issuing this “NO DEMAND CERTIFICATE” in favour of TPCODL, with full knowledge and with our free consent without any undue influence, misrepresentation, coercion etc.

**Dated**

**Signature**

**Place**

**Name**

**Designation**

**(Company Seal)**

|            |                                                 |               |
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## **ANNEXURE – D**

### **PROFORMA FOR “INDEMNIFICATION ON STATUTORY COMPLIANCES”**

(To be submitted by the successful Bidder within seven days of award of work)

**(Certificate No. CCP/001)**

Name of the Project

Letter of Award / Contract No.

Dated

Name of the Associate

Scheme No. / Job No.

By this confirmation we, \_\_\_\_\_  
(Associate) are formally bound to M/s. TPCODL towards any sum which may be imposed, levied or hereinafter recovered by the Provident Fund Organization under the provisions of the Employees of the Provident Fund and Miscellaneous Provisions Act 1952 in respect of employees employed by us.

We well and truly bind ourselves and our heirs executors administrators and representatives jointly severely and respectively for the above payment only to be paid to M/s. TPCODL.

AND WHEREAS we, \_\_\_\_\_ (Associate) is making compliance of the Employees Provident Fund and Miscellaneous Provisions Act 1952, have entered into the above written bond for the indemnity to M/s. TPCODL against all losses from the acts or default of the said Associate in respect of compliance of the Provident Fund Act.

Similarly we hereby confirm that we have complied with all statutory and local laws and nothing is outstanding with regard to Local Sales Tax, Labour Laws, Local Municipal dues, Electricity dues etc. We have entered into the above written bond for the indemnity to M/s. TPCODL against all losses from the acts or default of the said Associate in respect of compliance of the Local Sales Tax Laws, Local Laws, Labour Laws, Local Municipal Dues, Electricity dues etc.

NOW THE CONDITION, of the above written bond is as such that if the Associate during the period of this contract commits any default or fails to make payment of Contributions in respect of his employees to the Employees Provident Fund Organization, he shall indemnify the Principal Employer M/s. TPCODL from all and every loss and damage caused to them from any act, omissions or negligence of the said Associate in respect of compliances under the Employees Provident Fund and Miscellaneous Provisions Act, 1952.

IN WITNESS to the above written bond we have here to set our hands, with our free consent.

**Dated**

**Signature**

**Place**

**Name Designation**

**(Company Seal)**

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### **ANNEXURE-E**

#### **PROFORMA FOR APPLICATION FOR ISSUANCE OF CONSOLIDATED TDS CERTIFICATE**

To be printed on the letterhead

To,

**TP Central Odisha Distribution Limited,**

Bhubaneswar

**Sub: Application for issuance of Consolidated TDS Certificate for the FY \_\_\_\_\_**

Dear Sir,

I / we hereby request / authorize you to issue me / us a consolidate TDS Certificate for the financial year \_\_\_\_\_ against tax deducted at source by you from my / our payments / bills during the said year from time to time under Chapter XVII – B of the Income Tax Act, 1961.

For and on behalf of

Signature

Name

Address

Contact No. (Land Line)

(Mobile)

PAN #

Assessing authority

**ATTACH THE COPY OF PAN CARD**

|            |                                                 |               |
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## **ANNEXURE - F**

### **SERVICE LEVEL AGREEMENT**

(To be adhered to by Business Associates (BAs) in TPCODL on Human Resource Issues)

**1.0 The following shall be adhered to by the Business Associates during his / its association with TPCODL:**

**Shall Abide by TPCODL Core Values:**

- a) **Integrity** – We must conduct our business fairly, with honesty and transparency. Everything we do must stand the test of public scrutiny.
- b) **Understanding** – We must be caring, show respect, compassion and humanity to our colleagues and customers and always work for the benefit of the communities we serve.
- c) **Excellence** – We must constantly strive to achieve the highest possible standards in our day to day work and in the quality of services we provide.
- d) **Unity** – We must work cohesively with our colleagues across the group and with our customers and partners to build strong relationships based on tolerance, understanding and mutual co-operation.
- e) **Responsibility** – We must continue to be responsible and sensitive to the communities and environments in which we work and always ensuring that what comes from the people; goes back to the people many times over.
- f) **Agility-** We must work in a speedy and responsive manner and be proactive and innovative in our approach.

**2.0 The Business Associate / his manager / supervisor who is responsible for managing the project site / performance contract etc. in TPCODL would also ensure adherence of these values by his employees / persons deployed by him in connection with his works undertaken in TPCODL.**

**3.0 TPCODL is a signatory to the United Nation Global Compact as an integral part of its Governance principles / business. The Business Associates are required to:**

- a) Support and respect the protection of human rights and make sure that they are not complicit in human right abuses.
- b) Respect freedom of association and effective recognition of the right to collective bargaining.
- c) Not to resort to any form of forced and compulsory labour.
- d) Shall ensure abolition of child labour in his area of work.
- e) There is no discrimination in respect of employment and occupation in respect of his employees.
- f) Support precautionary approach to environmental challenges.
- g) Promote greater environmental responsibility by himself and his employees in his areas of work.
- h) Deploy and defuse environmental friendly technologies while carrying out the works.
- i) Work against corruptions in all its form including extortion and bribery by himself and his employees.

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**4.0 The Business Associates are required to adhere to all applicable Labour Laws with special reference to the following:**

- a) No person below the age of 18 years and no child labour will be engaged directly or indirectly for executing the work connected with the business of TPCODL.
- b) Minimum wages along with other statutory dues like PF, ESI, etc. as applicable to the workers shall be made within the prescribed period of 7<sup>th</sup> / 10<sup>th</sup> day of the following month.
- c) Deduction / deposit / record keeping and all other requirements under Employees PF Act 1952, Employees State Insurance Act 1948 and other applicable acts (if any) shall be adhered to.
- d) Only statutorily authorized deductions (if any) shall be made in accordance with the relevant statutes.
- e) All the provisions of Contract Labour (R&A) Act 1970 shall be complied with in respect of the workers engaged for TPCODL work. The work will be commenced only after completing necessary formalities for obtaining Labour License (if applicable).
- f) Necessary registers / records, filing of returns etc. shall be maintained for verification by Statutory / TPCODL authorities.
- g) Payment of wages shall be made only in presence of and with certification of authorized representative of TPCODL or shall be made in the form of cheque / bank transfer to the employee.
- h) During the period of contract, the Business Associate will arrange for deployment of his supervisor / manager for total supervision and control of the work and their manpower. All the activities related to their manpower e.g. attendance, leave, wage disbursement etc. will be done under the supervision & control of Business Associates, While adhering to the prescribed standard / norms of production / productivity & quality. During execution of the work, Business Associate shall engage only such qualified / skilled manpower as may be envisaged / required for ensuring level of production / service into the contract / work order.
- i) Clearances as follows shall be obtained from IR & Welfare Group:
  - a. Clearance for commencement (before start of the work).
  - b. No Objection Certificate (after completion / before final settlement).
  - c. Copies of PF / ESI Challans shall be deposited with IR & Welfare Group every month
- j) The Business Associate shall indemnify TPCODL from any liabilities under applicable Labour Statutes.
- k) The Business Associate shall ensure safety and health of his employees and shall also maintain hygienic working environment / condition in his area of work.

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- l) The Business Associate and his employee shall abide by Laws of Land and shall not violate any applicable provisions.
- m) The Business Associate appreciates with and acquiesces to the right of TPCODL as principal employer to fulfil any of his legal obligations, if he fails to do so under applicable labour laws and deduct the same from his running bills / final payments / encharging security deposit / Bank Guarantee as the case may be. If there is any further shortfall TPCODL has the right to recover the same from the Business Associate.
- n) The Business Associate ensures that person employed by him adhere to the moral and legal conduct and shall not violate any standard conduct envisaged in the premise of TPCODL by all such as, Transparency, Safety, Discipline, Integrity etc. The Business Associate or his employees should refrain from corrupt practices, giving or taking bribe in connection with any TPCODL business.

**5.0 The 'Statutory Compliance Enforcement System' in TPCODL is detailed below for adherence by all concerned. Corporate IR & Welfare Group will be the process owner for implementation of the system with the help of concerned Engineer I/c or Officer I/c.**

- a) Statutory Compliance being a professed value in TPCODL Code of Conduct, the concerned Engineer / Officer in charges are requested to adhere to the provisions and advise respective Business Associates in their domain to comply in letter and spirit.
- b) Immediately after issuance of letter of intent, the authorized representative of the Business Associate will report to Corporate IR & Welfare group for completion of statutory requirements.
- c) Normally, the work will be started only after 'Clearance for Commencement of Work (CCW)' is issued by IR & W group to the Business associate. However in exceptional exigencies in engineer I/c / Officer I/c may direct the Business Associate to start the work and inform IR & W group about the same. Statutory requirements in this case may be completed parallelly.
- d) First monthly bill will be released only after producing CCW to the finance department. Similarly closure of work and final settlement will be affected after issuance of no objection certificate from IR & W group.

**6.0 Requirements for 'Clearance for Commencement of Work' (CCW):**

- a) Submission of filled up Form 'A' for database (Annexure-1).
- b) Copy of PF Code allocation letter.
- c) Copy of ESI Code allocation letter.
- d) Submission of duly filled up Form IV CL(R&A) act (In case more than or equals to 20 workers during the period of contract).
- e) Submission of duly filled up Form VI A (Notice of Commencement).
- f) Copy of insurance cover note under WC Act 1923 (if applicable).
- g) Copy of Contract Agreement.
- h) Copy of indemnity bond (if applicable).

|            |                                                 |               |
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- i) Affidavit with regard to payment of wages through cheque / bank transfer only.

#### **7.0 Requirements during execution of work:**

- a) Copy of receipt of application for license / license (if applicable).
- b) Copy of PF Challan (latest by 26<sup>th</sup> day of every Month).
- c) Copy of ESI Challan (latest by 26<sup>th</sup> day of every Month).
- d) Copy of Wage disbursement sheet / Bank statement.
- e) Filing / Maintenance of all statutory registers / reports / returns for inspection by Statutory/ TPCODL authorities.
- f) Certification of wage disbursement by authorized representative of TPCODL.
- g) Copy of 'Labour Welfare Fund' deposit certificate / Challan.
- h) Insuring safe working practices at the work place.

#### **8.0 Requirements for 'No Objection Certificate' (NOC) for closure of work:**

- a) Submission of duly filled up Form VI A (Notice of Completion).
- b) Copy of Half yearly / Annual return for ESI / PF / CL(R&A).
- c) Consolidated copy of wage sheet of last month indicating full & final settlement of all dues like retrenchment benefit, bonus, leave encashment etc. Copy of individual declaration by employees in Form X regarding termination of employment.
- d) Confirmation certificate regarding filling up of form for transfer / withdrawal of PF by the concerned workers.

**In case any of the above are deviated / not complied with the Letter of Award/Order shall be liable to be withdrawn / cancelled.**

#### **Enclosure:**

- 1) Form A
- 2) Form X
- 3) Form XI
- 4) Form VI A
- 5) Form XXIV

|            |                                                 |               |
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### **FORM (A)**

[To be submitted by the Business Associate to the Principal Employer within a week from LoA issuance]

#### **A. Details of the Agency**

1. Name of Agency :
2. Nature of work :
3. Local Address with Ph. No. :  
(With Father's name) :
4. Permanent Address (Full) :
5. PF code no. & Place :
6. ESI Code no. & Place :
7. Name and address of :  
Sub-contractor (if any)

#### **B. Details of Work**

8. Name of work (as specified in LOI/LOA) :
9. LOI/LOA Nos. & Dates :
10. Period of contract (Specify Dates) :  
[Including Extension period, if any] :
11. Work Area [Department / Location] :
12. Name / Cell no. of Officer I/c :
13. Maximum No. of workers and staff to be engaged on any day during the year.
- Supervisory Staff :
- Workers :
14. Do you have any other contract in TPCODL : Yes/No

|            |                                                 |               |
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If yes, furnish details:

15. Details of Workmen's compensation Policy, if applicable

Name of Insurance Company

.....

.....Policy No ..... Number of persons covered ..... Period of coverage: From ..... To .....

If no, I hereby undertake the liability arising out of Workmen's Compensation Act and Rules made there under.

**C. Details of workers to be engaged**

**No. of Workers**

| S. No. | Unskilled* | Semi-skilled* | Skilled* | Clerical / Supervisory |
|--------|------------|---------------|----------|------------------------|
|        |            |               |          |                        |

**\* Number to be indicated**

I/We shall fulfil all obligations arising from and under all relevant law in force from time to time. I/We undertake to keep the TPCODL indemnified against any loss or liability arising out of failure of my / our abiding the relevant laws.

The name of my / our representatives is ..... to enter the TPCODL Premises on my behalf.

**Date:**

**(Signature of the Business Associate**

**or his Authorized Representative)**

**This Business Associate is / will be engaged in TPCODL.**

**(Signature and seal of**

**Officer I/c of the Work)**

|            |                                                 |               |
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**Form X**

**Undertaking**

I \_\_\_\_\_ hereby undertake that all the dues in respect of my employment with M/s \_\_\_\_\_ for the period of \_\_\_\_\_ to \_\_\_\_\_ have been settled and final payments including retrenchment benefit have been made to me in full.

( \_\_\_\_\_ )  
\_\_\_\_\_

Date:

|            |                                                 |               |
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### **Form XI**

### **Undertaking**

With reference to the contract job awarded by M/s TP Central Odisha Distribution Limited to  
M/s \_\_\_\_\_ vide  
work \_\_\_\_\_ order \_\_\_\_\_ No. \_\_\_\_\_  
dated \_\_\_\_\_

I \_\_\_\_\_ on behalf of

M/s \_\_\_\_\_ hereby undertake:

1. that the dues in respect of the workmen/ employee(s) engaged by us for the said contract, payable as per the provisions of relevant statute pertaining to
  - i. wages/ salary
  - ii. PF & ESI, Bhubaneswar Labour Fund
  - iii. All other statutory obligation
has been paid /settled in full and no amount/ compliance is due/ pending.
  
2. That in case any dispute / claim is raised by the concerned workers i.r.o. any dues / payments, M/s \_\_\_\_\_ will settle the same on its own and such liability will be borne by M/s \_\_\_\_\_
  
3. That M/s \_\_\_\_\_ hereby indemnify M/s TPCODL from any future liability i.r.o. any statutory obligation in respect of said contract.

Date:

\_\_\_\_\_  
( )  
Authorized Signatory

For M/s \_\_\_\_\_

|            |                                                 |               |
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### **FORM- VI A**

#### **Notice for Commencement /Completion of contract work**

I/We, Sh. / M/s \_\_\_\_\_ (Name and Address of the Contractor) hereby intimate that the contract work \_\_\_\_\_ (name of work) in establishment of the \_\_\_\_\_ (name and address of the Principal Employer) for which License No. \_\_\_\_\_ dated \_\_\_\_\_ has been issued to me/us by the Licensing Officer \_\_\_\_\_ (name of the Headquarters), has been commenced / completed with effect from \_\_\_\_\_ date / on date.

**Signature of Contractor**

**With Office Seal**

**The Inspector**

\_\_\_\_\_  
\_\_\_\_\_

|            |                                                 |               |
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**FORM XXIV**

[See Rule 82(1)]

***Return to be sent by the Contractor to the licensing Officer (in duplicate)***

Half -Yearly Ending \_\_\_\_\_

1. Name and address of the Contractor
2. Name and address of the Establishment
3. Name and address of the Principal Employer
4. Duration of Contract: From \_\_\_\_\_ to \_\_\_\_\_
5. No. of days during the half year on which
  - (a) the establishment of the principal employer had worked
  - (b) the contractor's establishment had worked
6. Maximum No. of contract labour employed on any day during the half –year:

| Men | Women | Children | Total |
|-----|-------|----------|-------|
|     |       |          |       |

7.
  - (i) Daily hours of work and spread over
  - (ii) (a) whether weekly holiday observed and on what day
  - (b) if so, whether it was paid for
  - (iii) No. of man – hours of overtime worked
8. No. of man days worked by

| Men | Women | Children | Total |
|-----|-------|----------|-------|
|     |       |          |       |

9. Amount of wages paid

| Men | Women | Children | Total |
|-----|-------|----------|-------|
|     |       |          |       |

10. Amount of deductions from wages, if any

| Men | Women | Children | Total |
|-----|-------|----------|-------|
|     |       |          |       |

Whether the following have been provided –

|            |                                                 |               |
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(i) Canteen : \_\_\_\_\_

(ii) Rest rooms : \_\_\_\_\_

(iii) Drinking water : \_\_\_\_\_

(iv) Crèches : \_\_\_\_\_

(v) First Aid : \_\_\_\_\_

**Signature of contractor**

Place \_\_\_\_\_

Date \_\_\_\_\_

GENERAL CONDITIONS OF CONTRACT

|            |                                                 |               |
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### **ANNEXURE – G**

#### **UNDERTAKING FOR COMPETENCE OF WORKMEN**

Name of Associate :

Tender No. :

Item :

With reference to the tender mentioned above, I/We \_\_\_\_\_,  
 hereby undertake that the workmen/ employee(s) engaged by M/s  
 \_\_\_\_\_ for the job against said tender shall be competent in all  
 respect, commensurate to the nature of job.

Date:

\_\_\_\_\_  
 ( )

Authorized Signatory

For M/s

Seal

|            |                                                 |               |
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## ANNEXURE-H

### BUSINESS ASSOCIATE FEEDBACK FORM

With an objective to improve our internal processes and systems, and serve you better, we solicit your valuable feedback & suggestions. It is estimated that it will take about 10 minutes to complete this survey. We assure you that your feedback shall be kept confidential. Please send the duly filled feedback form in the "TPCODL addressed - attached envelop"

**You are associated with us as**

☐ OEMs      ☐ Service Contractor    ☐ Material Suppliers    ☐ Material & Manpower Supplier

**You are associated with us for**

☐ Less than 1 year    ☐ More than 1 year but less than 3 years    ☐ More than 3 years

**Your office is located at**

☐ Bhubaneswar      ☐ Within 200 kms from Bhubaneswar      ☐ More than 200 kms from Bhubaneswar

**Your nearly turnover with TPCODL**

☐ Less than 25 Lacs      ☐ 25 Lacs to 1 Crore    ☐ More than 1 Cr.

**Additional information**

|                          |  |
|--------------------------|--|
| <b>Your Name</b>         |  |
| <b>Your Designation</b>  |  |
| <b>Your Organization</b> |  |
| <b>Contact Nos.</b>      |  |
| <b>Email</b>             |  |

*We once again thank you for your participation in this survey. Please spare 10 minutes to give your feedback on following pages (Section A to E)*

|            |                                                 |               |
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### **SECTION - A**

(Please ✓ mark in the relevant box and give your remarks / suggestions / information for our improvement.).

| S. No. | Parameters                                                                                                                     | 1            | 2                     | 3                 | 4                   | 5           | Remarks/<br>Suggestion |
|--------|--------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------|-------------------|---------------------|-------------|------------------------|
|        |                                                                                                                                | Do Not Agree | Slightly in Agreement | In Fair Agreement | Mostly in Agreement | Fully Agree |                        |
| 1      | You receive all relevant queries / tenders from us in timely manner.                                                           |              |                       |                   |                     |             |                        |
| 2      | We provide you enough lead time to respond to our queries / tenders.                                                           |              |                       |                   |                     |             |                        |
| 3      | We provide you adequate support (drawings, documents, clarifications, briefing etc.) to enable you meet our requirements.      |              |                       |                   |                     |             |                        |
| 4      | All following elements of our contract / purchase order are rational :                                                         |              |                       |                   |                     |             |                        |
| 4.1    | Scope of Work                                                                                                                  |              |                       |                   |                     |             |                        |
| 4.2    | Delivery / Execution Schedule                                                                                                  |              |                       |                   |                     |             |                        |
| 4.3    | Payment Terms                                                                                                                  |              |                       |                   |                     |             |                        |
| 4.4    | Liquidated Damages                                                                                                             |              |                       |                   |                     |             |                        |
| 4.5    | Performance Guarantee                                                                                                          |              |                       |                   |                     |             |                        |
| 5      | Our purchase orders / contracts are simple, specific & easy to understand                                                      |              |                       |                   |                     |             |                        |
| 6      | TPCODL demonstrate willingness to be flexible in administration of Contract / Purchase Order                                   |              |                       |                   |                     |             |                        |
| 7      | We provide timely responses / clarifications to your queries                                                                   |              |                       |                   |                     |             |                        |
| 8      | TPCODL representative you interact / coordinate with is adequately empowered to support you in meeting contractual obligations |              |                       |                   |                     |             |                        |
| 9      | TPCODL provide you all necessary infrastructure support for timely and quality completion of work (including AMC)              |              |                       |                   |                     |             |                        |

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| S. No. | Parameters                                                                                                 | 1            | 2                     | 3                 | 4                   | 5           | Remarks/<br>Suggestion |
|--------|------------------------------------------------------------------------------------------------------------|--------------|-----------------------|-------------------|---------------------|-------------|------------------------|
|        |                                                                                                            | Do Not Agree | Slightly in Agreement | In Fair Agreement | Mostly in Agreement | Fully Agree |                        |
| 10     | TPCODL Engineer-in-Charge timely certifies the jobs executed/ material supplied                            |              |                       |                   |                     |             |                        |
| 11     | TPCODL Engineer-in-Charge efficiently supervises the job execution for timely completion of job            |              |                       |                   |                     |             |                        |
| 12     | BIRD (Bill Inward Receipt Desk) initiative has improved payment disbursement process                       |              |                       |                   |                     |             |                        |
| 13     | Our approach for Inspection and Quality Assurance effective to expedite project completion?                |              |                       |                   |                     |             |                        |
| 14     | TPCODL never defaults on contractual terms                                                                 |              |                       |                   |                     |             |                        |
| 15     | In TPCODL Contracts closure is done within set time limit                                                  |              |                       |                   |                     |             |                        |
| 16     | Our material receiving procedures are well defined and efficiently deployed to reduce mutual inconvenience |              |                       |                   |                     |             |                        |
| 17     | Bank Guarantees are released in time bound manner                                                          |              |                       |                   |                     |             |                        |
| 18     | Our processes related to payment / account settlement are effective.                                       |              |                       |                   |                     |             |                        |
| 19     | You get payments on time                                                                                   |              |                       |                   |                     |             |                        |
| 20     | TPCODL Employees follow Ethical behavior                                                                   |              |                       |                   |                     |             |                        |

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### **SECTION - B**

SECTION – B (Please rate the following parameters on a scale of 1 to 5, where 1 - Minimum; 5 - Maximum)

| SN  | Parameters                                                                                                                                                   | 1 | 2 | 3 | 4 | 5 | Remarks/<br>Suggestion |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|------------------------|
| 1   | How do you rate courtesy/ empathy/ attitude level and warmth of TPCODL employees you interact with from following team?                                      |   |   |   |   |   |                        |
| 1.1 | Project Engineering                                                                                                                                          |   |   |   |   |   |                        |
| 1.2 | District / Zones                                                                                                                                             |   |   |   |   |   |                        |
| 1.3 | Projects/HOG (TS &P)                                                                                                                                         |   |   |   |   |   |                        |
| 1.4 | Inspection & Quality Assurance                                                                                                                               |   |   |   |   |   |                        |
| 1.5 | Stores                                                                                                                                                       |   |   |   |   |   |                        |
| 1.6 | Metering & Billing                                                                                                                                           |   |   |   |   |   |                        |
| 1.7 | Accounts / Finance                                                                                                                                           |   |   |   |   |   |                        |
| 1.8 | Administration                                                                                                                                               |   |   |   |   |   |                        |
| 1.9 | IT & Automation                                                                                                                                              |   |   |   |   |   |                        |
| 2   | How would you rate TPCODL in comparison to your other clients in terms of <b>fairness of treatment and transparency</b> with its Business Associates?        |   |   |   |   |   |                        |
| 3   | How would you rate TPCODL in comparison to your other clients in terms of <b>processes and systems to manage partnership</b> with its Business Associates    |   |   |   |   |   |                        |
| 4   | How would you rate TPCODL in comparison to your other clients in terms of <b>building long term &amp; mutually relationship</b> with its Business Associates |   |   |   |   |   |                        |

|            |                                                 |               |
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### **SECTION – C**

Please ✓ mark in the relevant box and give your remarks / suggestions / information for our improvement.

| S. No. | Parameters                                                                                                                | Certainly NO | Probably NO | Probably YES | Certainly YES | Remarks/<br>Suggestion |
|--------|---------------------------------------------------------------------------------------------------------------------------|--------------|-------------|--------------|---------------|------------------------|
| 1      | Based on your experience with TPCODL, would you like to continue your relationship with TPCODL?                           |              |             |              |               |                        |
| 2      | If someone asks you about TPCODL, would you talk “positively” about TPCODL?                                               |              |             |              |               |                        |
| 3      | Would you refer TPCODL name to others in your community, fraternity and society as a professional & dynamic organization? |              |             |              |               |                        |

### **SECTION - D**

**If we ask you to rate us on a scale of 1 to 10, how will you rate TPCODL, that truly represents your overall satisfaction with us (please tick appropriate box) –**

|   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|----|

|            |                                                 |               |
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### **SECTION – E**

Please ✓ mark in the relevant box and give your remarks / suggestions / information for our improvement.

Please spare your thoughts for TPCODL's improvement in particular areas of weaknesses, particularly relating to some great practices, attitudes that you have seen elsewhere in Indian and International Organizations, which you recommend TPCODL to adopt. Please give your valuable salient recommendations.

Please spare your thoughts for TPCODL's improvement in particular areas of major concerns for you. We also welcome your suggestions to adopt any best practices, altitudes that you have observed / experienced elsewhere in Indian/ International organization.

| Recommendation                                        | <i>Please tick (✓) your top 5 expectations out of the following 10 points listed below -</i>    |  |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------|--|
| (Please list down improvement you expect from TPCODL) | <i>Timely payment</i>                                                                           |  |
| 1                                                     | <i>Flexibility in Contracts/PO</i>                                                              |  |
|                                                       | <i>Clarity in PO,s &amp; Contracts</i>                                                          |  |
| 2                                                     | <i>Timely response to quarries</i>                                                              |  |
|                                                       | <i>Timely certification of works executed</i>                                                   |  |
| 3                                                     | <i>Clarity in Specs, drawings, other docs etc.</i>                                              |  |
|                                                       | <i>Adequate information provided on website for tender notification, parties qualified etc.</i> |  |
| 4                                                     | <i>Timely receipt of material at site for execution</i>                                         |  |
|                                                       | <i>Performance Guarantee/EMD released in time</i>                                               |  |
| 5                                                     | <i>Inspection &amp; quality assurance support for timely job completion</i>                     |  |

We thank you for your time and courtesy!!

|            |                                                 |               |
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## **ANNEXURE - I**

### **ACCEPTANCE FORM FOR PARTICIPATION IN REVERSE AUCTION EVENT**

***(To be signed and stamped by the bidder prior to participation in the auction event)***

In a bid to make our entire procurement process more fair and transparent, TPCODL intends to use the reverse auctions through SAP-SRM tool as an integral part of the entire tendering process. All the bidders who are found as technically qualified based on the tender requirements shall be eligible to participate in the reverse auction event.

**The following terms and conditions are deemed as accepted by the bidder on participation in the bid event:**

1. TPCODL shall provide the user id and password to the authorized representative of the bidder. *(Authorization Letter in lieu of the same shall be submitted along with the signed and stamped Acceptance Form).*
2. TPCODL will make every effort to make the bid process transparent. However, the award decision by TPCODL would be final and binding on the supplier.
3. The bidder agrees to non-disclosure of trade information regarding the purchase, identity of TPCODL, bid process, bid technology, bid documentation and bid details.
4. The bidder is advised to understand the auto bid process to safeguard themselves against any possibility of non-participation in the auction event.
5. In case of bidding through Internet medium, bidders are further advised to ensure availability of the entire infrastructure as required at their end to participate in the auction event. Inability to bid due to telephone line glitch, internet response issues, software or hardware hangs, power failure or any other reason shall not be the responsibility of TPCODL.
6. In case of intranet medium, TPCODL shall provide the infrastructure to bidders. Further, TPCODL has sole discretion to extend or restart the auction event in case of any glitches in infrastructure observed which has restricted the bidders to submit the bids to ensure fair & transparent competitive bidding. In case an auction event is restarted, the best bid as already available in the system shall become the start price for the new auction.
7. In case the bidder fails to participate in the auction event due any reason whatsoever, it shall be presumed that the bidder has no further discounts to offer and the initial bid as submitted by the bidder as a part of the tender shall be considered as the bidder's final no regret offer. Any offline price bids received from a bidder in lieu of non-participation in the auction event shall be outrightly rejected by TPCODL.
8. The bidder shall be prepared with competitive price quotes on the day of the bidding event.
9. The prices as quoted by the bidder during the auction event shall be inclusive of all the applicable taxes, duties and levies and shall be FOR at TPCODL site.
10. The prices submitted by a bidder during the auction event shall be binding on the bidder.
11. No requests for time extension of the auction event shall be considered by TPCODL.
12. The original price bids of the bidders shall be reduced on pro-rata basis against each line item based on the final all inclusive prices offered during conclusion of the auction event for arriving at Contract amount.

**Signature & Seal of the Bidder**



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:

Email Address of accounts person (to  
send payment information)

Name of the Authorized Signatory :

Contact Person's Name :

Official Correspondence Address :

We confirm that we will bear the charges, if any, levied by our bank for the credit of NEFT/RTGS amounts in our account. Any change in above furnished information shall be informed to TPCODL well in time at our own. Further, we kept TPCODL indemnified for any loss incurred due to wrong furnishing of above information.

Thanking you,

For \_\_\_\_\_

**(Authorised Signatory)**

**(Signature with Rubber Stamp)**

**Certification from Bank:**

We confirm that we are enabled for receiving NEFT/RTGS credits and we further confirm that the account number (specify Bank a/c no.) of (Please mention here name of the account holder), the signature of the authorised signatory and the MICR and IFSC Code of our branch mentioned above are correct.

This also is certified that the above information is correct as per Bank record

**(Manager's/ Officers Signature under Bank Stamp)**

|            |                                                 |               |
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## ANNEXURE - K

### CONTRACTOR SAFETY MANAGEMENT SYSTEM

#### 1. OBJECTIVE

The objective of the Contractor Safety Management System is to lay down clear guidelines for all Business Associates (including their associates, staff and agents) which would facilitate them to observe all statutory rules and regulations, comply with applicable standards of Central Electricity Authority (Measures relating to safety and electric supply) Regulations, 2010 & (safety requirements for construction, operation and maintenance of electrical plants and electric lines) Regulations, 2011, TPCODL Safety Manual and Guidelines and thus, ensure creation of safe working environment for all stakeholders of our network.

#### 2. SCOPE

All contracts (minor and major) will be subject to the provisions of this document.

**Minor Contracts:** Contracts which satisfy all the criteria listed under the head “Minor Contracts”.

**Major Contracts:** Contracts which satisfy any two or more criteria listed under the head “Major Contracts”

| Criteria                                       | Minor Contracts                             | Major Contracts                                       |
|------------------------------------------------|---------------------------------------------|-------------------------------------------------------|
| Value of Contract                              | < Rs. 1500000/- (less than Rs. Fifteen Lac) | >= Rs. 1500000/- (Equal or more than Rs. Fifteen Lac) |
| Period                                         | Period less than 1 year                     | Any period                                            |
| Working on energized electrical equipment      | No                                          | Yes                                                   |
| Working on height (above 1.8 Mtrs from ground) | No                                          | Yes                                                   |
| Work involving construction activity           | No                                          | Yes                                                   |
| Working with hazardous goods or chemicals      | No                                          | Yes                                                   |
| Work involving danger to general public        | No                                          | Yes                                                   |

**Note:** Exceptions for major and minor contract are – in house software development, supply of material or equipment but no direct or indirect installation of the same material, administration contracts (courier, water supply, printing, security, transport, etc.), minor civil work like plastering at ground level or flooring, etc. The facility management (housekeeping) contract will always be treated as a minor contract.

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### 3. INFORMATION REQUIRED AT TIME OF VENDOR REGISTRATION OR BEFORE COMMENCEMENT OF CONTRACT

- 3.1 Business Associate is required to fill the Safety Management System Questionnaire as per *annexure 1* and submit along with the vendor registration process / bid / tender document. The filled questionnaire will be scrutinized by Engineer In-charge / indenting group and recommend suitability of the BA with respect to safety requirements. The fulfilment of statutory requirements for vendor registration pertaining to labour laws etc. shall be done by BA Cell on being referred to it.
- 3.2 Business Associate is required to take suitable risk control measures mentioned against the identified Hazards and Risk document provided for all contracts as per *annexure 2*. The primary objective of this is to evaluate the understanding of the BA towards risk mitigation and employment of safe work procedures. BA is required to conduct the Hazard identification and Risk Assessment study as per the procedure and deploy more or other measures if deemed necessary.
- 3.3 Business Associate shall comply with **Statutory Requirements related to Safety and Occupational Health** and submit the "Safety Undertaking" as per *annexure 4*.

### 4. GENERAL SAFETY CONDITIONS REQUIRED TO BE FULFILLED BY BUSINESS ASSOCIATES

The requirements of the contractor safety management system applicable to the minor or major contracts related to various groups are as following –

- 4.1 Maintenance of Distribution Network – *Annexure 3.1*
- 4.2 Distribution Projects – *Annexure 3.2*
- 4.3 EHV Projects – *Annexure 3.3*
- 4.4 Maintenance of Sub transmission network – *Annexure 3.4*
- 4.5 Civil / Generation Projects – *Annexure 3.5*
- 4.6 Meter Management Group (MMG), Revenue Recovery Group (RRG), Energy Auditing Group, AMI, MRG, etc. – *Annex 3.6*
- 4.7 Maintenance and Operation of Street Light. – *Annexure 3.7*

1. *Please note that hydra cranes used by any dept should be ACE Model No. FX 150 ACE SX 150, Escorts Model No. TRX 1550 or contemporary. Use of old generation hydra cranes like ACE 14XW or ACE 12 XW, etc are prohibited.*

**(Details as per Annexure attached)**

**Note:** For minor contracts, the BA shall assign the duties of Safety Representative to the Work Supervisor. Work Supervisor will deliver all duties and responsibilities of Safety Supervisor as detailed in this document.

The Business Associate (BA) having major contract will appointing Safety supervisor, engineer / manager for the TPCODL work. The BA shall make all necessary arrangements for getting their workforce safety trained and competency checked from the DOSEC of TPCODL before deployment in the field. BA Cell shall recommend the suitability after competency checked by Engineer In-charge and SAFETY group (or his representative) of TPCODL. After getting the clearance from DOSEC, BA cell and receiving temporary I-card issued by TPCODL, Business Associate shall commence the working.

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Safety Representative of Business Associates will formally become the nodal point for safety concerns for TPCODL. ***BA shall not frequently transfer or terminate the services of any of the safety representatives appointed for TPCODL work site. BA needs to ensure that Safety representative is available at all points of time; failing which the work being carried out in the interim (period when Safety representative is not available) shall be treated as working under improper supervision and due penal provisions shall be initiated against the BA.*** BA will be required to provide all applicable infrastructure and power to ensure smooth working of the safety representative to maintain a sound safety management system. **In all contracts safety representative will not be assigned any other activity at site apart from the works related to safety management. The duties are detailed in clause 5.5 of this document.** TPCODL will be auditing the facilities provided to the BA's safety team time to time.

The Safety Representative of the BA shall be required to meet and follow the instructions of the Engineer In-charge and SAFETY Group of TPCODL. He shall be responsible for providing the MIS and/or any other relevant information, as and when desired, within the stipulated time frame as per the requirements of TPCODL. Any non-conformance to safety will lead to the negative marking or issue of safety violation challan/ tokens which shall affect the monthly evaluation and performance of BA.

All contracts where BA has to depute vehicle for their staff and equipment to move from one location to other, the BA shall ensure that vehicle complies all required statutory clearances and requirement as per The Motor Vehicle Act, 1988 as well as TPCODL Road Safety Policy and are in good & safe state of working.

## 5. QUALIFICATION AND EXPERIENCE OF THE SAFETY AND SITE PERSONNEL

Qualification and experience required for the safety and site personnel are as following:

**5.1 Safety Supervisor:** It is mandatory that educational qualification of safety supervisor be ITI (of relevant trade) / Diploma (Any branch of engineering) and he has a working experience on electrical system / relevant field of work at least 5 yrs for ITI and 3 years for Diploma holder. Having formal experience of the safety systems will be an added advantage

**5.2 Safety Engineer:** It is mandatory that educational qualification of safety engineer be at least Diploma (relevant branch) and he has working experience on electrical system of at least 3 yrs. Having the formal experience of the safety systems will be an added advantage.

**5.3 Safety Manager:** The educational qualification of safety manager should be graduate engineer with working experience on electrical system / network of at least 3 yrs. OR Diploma in Industrial Safety with working experience of 05 years including at least 02 years on electrical network.

However, clause 5.1, 5.2 and 5.3 are not applicable for minor contracts. In such cases, BA shall assign the duties of Safety Representative to the Work Supervisor. Work Supervisor will deliver required duties of Safety Representative (as per clause 5.5) in addition to other duties without diluting the importance of safety.

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**5.4 Site Skilled Personnel:** For all responsibility related to site activities and operations, the BA shall employ only qualified and skilled persons and shall comply the provisions of section 19 & 29 of Central Electricity Authority (Measures relating to safety and electric supply) Regulations, 2010. Persons holding valid approvals only by any Government approved agency or a competency assessment panel or a team set up by TPCODL shall be allowed to perform the High Risk / High Hazard activities (refer page 1). The skill / qualification required for the electrician and electrical supervisor are given in *annexure 5*. The contracts related to maintenance of Distribution Network, Distribution Projects, Extra High Voltage Projects, maintenance of Sub-Transmission Network, Meter Management Group & Energy Audit Group, maintenance and operation of street lights, shall preferably have at least 20 per cent of ITI qualified electricians in the first year of the contract. This figure shall preferably be incremented by 15 per cent every subsequent year.

*Note: For the competency assessment may please refer the work instructions. An employee shall have to necessarily undergo the competency assessment check once in every eighteen months.*

**5.5 Requirements from the Safety Representative(s) of the Business Associate:**

- 5.5.1 Safety training of 2 hrs/employee/month and one day of safety induction training to all new employees joining the BA will be conducted by the BA as per Safety training modules of TPCODL.
- 5.5.2 Safety Talk / tool box talk before start of shift to BA employees.
- 5.5.3 Ensuring the availability & proper usage of the standard safety equipment (PPE)
- 5.5.4 Periodic inspection of PPE to ensure their serviceability and maintaining the 10% buffer stock of standard PPEs.
- 5.5.5 Ensuring the adherence to standard operating procedures of TPCODL as mentioned in TPCODL Safety standard and O & M and concerned function's manual.
- 5.5.6 Safety inspections / audits as per the process of TPCODL
- 5.5.7 Working in close coordination Safety Group of TPCODL.
- 5.5.8 Reporting of unsafe acts, unsafe conditions, near miss, incident or accident to Engineer In-Charge and Safety Group of TPCODL immediately after its occurrence.
- 5.5.9 Regular HIRA at site and comply the control measures as stated in the detailed HIRA as per the *annexure 2*. Also deployment of JSA based checklist shall be ensured.
- 5.5.10 Ensuring compliance with safety and other laws as may be applicable and providing for safety assurance.

**5.6 Training and Syllabus:** The BA shall not deploy any person at work place / site or send newly recruited personnel directly to DOSEC for competency assessment without Safety Induction Training.

- 5.6.1 All new BA employees have to necessarily undergo one and half days Safety training and Competency assessment at training centre of BA cell. This training will be conducted once in a week. After the completion of Safety training & Competency assessment I-card will be issued to all competent BA employees

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5.6.2 BA is expected to initially train and judge the capability of the workman at his own end before further recommending the workmen for Competency assessment. If any BA workman sent for competency assessment. In case any BA workman fails in the Competency test at DOSEC, it will be deemed that BA has not imparted sufficient training at his end and actual cost of training ₹ 7500/ BA employee/ failed attempt will be recovered.

5.6.3 The workers who have imparted Safety Training and issued I-Cards of TPCODL, are not deployed at TPCODL worksites/ voluntarily left the job by workers/ used somewhere else other than TPCODL by the BA, in that case Management reserves the rights to intervene and recover the actual cost of training i.e. ₹ 7500/BA employee. *(Exempted for attrition rate of BA workers less than or equal to 10% of total workforce deployed at TPCODL)*

5.7 It is desired that Safety representative of the BA to impart the general safety training to each employee of duration 2 hrs per month. The training will be organized at BA level and the record to be sent to engineer in-charge and SAFETY group of TPCODL every month. Please refer schedule and syllabus in *annexure 6*.

**List of Personal Protective Equipment (PPE) and Maintenance schedule:** BA shall commence the project or any work only when the required PPE are made available to the team of employees involved in the work. Each PPE of BA shall be checked / inspected by the safety representative / supervisor at zone before the work start or as prescribed in the list. Safety representative shall regularly check the healthiness of each PPE allocated to lineman. Suitable record shall be maintained at zone. Defective PPE shall be immediately replaced or within 24 hours by the BA. In no case linemen or any other official of BA may be allowed to work with defective PPE. It is preferred that BA ensures minimum stock of each PPE at zone for immediate replacement with defective one. The PPE shall be IS / BS / CE marked and exactly as per the standard or specification mentioned in the *annexure 7*. Working without PPE / non-standard PPE shall be treated as safety violation and penalty as stated in section 6.0 of this document. If TPCODL finds that BA has not provided the adequate / appropriate PPE to their staff, TPCODL reserves the rights to stop the work and call the BA to provide appropriate PPEs at the risk. If the BA fails to provide the required PPEs at the risk then the same shall be provided by TPCODL at the actual cost of the PPE. The amount shall be charged to BA and same shall be first recovered from the current bill of BA or any future payment to be made to BA. In the event of any balance amount still left for recovery, the same shall be adjusted against retention amount or by invoking bank guarantee submitted by BA.

**5.8 Safety Audit / Inspection & HIRA:** The BA shall get the required safety inspection / audit conducted by his technical team comprising of safety representative as per the *annexure 8*. The safety representative will be required to conduct the HIRA (Hazard Identification and Risk Assessment) *as per annexure 2* of the process and work undertaken at least two times in a year or every time if a new process / activity / machine is introduced or whenever an accident take place. The risk identified to be addressed suitably with –

- Engineering Control
- Management Control, and
- Personal Protective Equipment.

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The safety representative of BA shall inform and educate for the identified risk and hazard control methods to employees, supervisor and engineer as well as the engineer in-charge and SAFETY group of TPCODL.

**5.9 Safety Performance and Safety MIS:** The BA shall maintain good practice of safety all through the contract duration. Safety shall always be of paramount importance during the contract period. Safety performance will be monitored on yearly basis throughout the period and no relaxation will be given for bad performance. BA with good track record and excellent performance will be rewarded suitably as per clause 6.0 of this document. The BA has to provide monthly "Performance Report – Safety" to engineer in-charge and SAFETY group TPCODL this shall be part of monthly bill along with training details. Performa of the report is enclosed as *annexure 9*.

**5.10 Pre – Employment Medical Check-up and Fitness of employees engaged for the critical works:** The BA shall submit the health fitness certificate for all those workers involved in climbing the pole or working at height for following diseases:

- 5.10.2 Epilepsy
- 5.10.3 Colour blindness
- 5.10.4 Deafness
- 5.10.5 Vertigo & height phobia

Every year BA will give an undertaking stating that all the employees are fit to work and have not developed aforesaid diseases. The Record of such medical check-ups shall be submitted to BA Cell before issue of temporary identity card. The records shall be maintained at BA Cell. All such medical check-ups shall be repeated once in a year for all workers involved in climbing the pole or working on electrical network.

## 6. REWARD AND PUNITIVE MEASURES

**6.1** To support the enforcement of good SHE & DM practices by the Business Associate and to eliminate repeated or continuing safety violations, use of appropriate reward and punitive measures shall be made. Each unsafe act or violation of the safety guidelines as described in the Safety Manual of the TPCODL will be audit criteria of this system. Broadly the measures identified are following:

- 6.1.1 Working without PPE/ Safety Gadgets
- 6.1.2 Working without proper tools and tackles, barricading, Poor condition of Crane / Hydra / Vehicle, using without certification / Licence, Incompetent driver/ Helper
- 6.1.3 Working without creation of effective safety zone
- 6.1.4 Improper Supervision at worksite, Lineman/ Supervisor working without competency
- 6.1.5 Working without adherence to PTW process or authorization/ not adherence to SOPs / W.I. of TPCODL.
- 6.1.6 Improper Working at height equal to or above 1.8 mtrs without taking proper fall protection measures/ Poor condition of Ladder

### 6.2 Measures of Reward and Punitive Measures

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The Engineer In-Charge, NSO, SC, ASOs, CSI / SIs and SHE &DM group will conduct the surprise audits of the work / project and if any non-conformance is found the same will be booked and entered in the format "Safety Violation Record" *annexure 10*. The flow of the information is given below:

| Safety Violation Escalation & Monitoring process                                                                                                                                                                                        |                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Action                                                                                                                                                                                                                                  | Responsibility                                                                         |
| Safety Violation form has been filled and counter foil sent to SAFETY team for information. The main form is to be given to BA supervisor / Engineer in-charge. <i>(Automatically generated if Site audit done through Mobile App.)</i> | Engineer In-charge/ NSO / SC / SAFETY Group /CSI/ ASO/ Any authorised TPCODL official. |
| ↓                                                                                                                                                                                                                                       |                                                                                        |
| Entry of the violation in the master record and sending the information to concerned Manager, HoG, HoD, Head and Chief (O &S). <i>(Automatically generated if Site audit done through Mobile App.)</i>                                  | SAFETY Group                                                                           |
| ↓                                                                                                                                                                                                                                       |                                                                                        |
| Forwarding the information Centralized Account Payable (CAPS) for amount deduction from the current bill of the BA, <i>if any</i> .                                                                                                     | Engineer In-charge                                                                     |
| ↓                                                                                                                                                                                                                                       |                                                                                        |
| HoG (Safety – II) & HoG (Safety & Quality – Commercial) and CAPS to generate the MIS of the violations and the amount deducted.                                                                                                         | SAFETY Group                                                                           |
| ↓                                                                                                                                                                                                                                       |                                                                                        |
| The pool of the amount generated after the deduction to be utilized in safety welfare of BA employees.                                                                                                                                  | SAFETY Group with approval of CFO/Chief (O & S) /CEO&MD                                |

The safety violations have been rated from 1 to 5 (figure 6.3) as per the gravity of the violation. If the same violation is repeated it may escalate into a higher penalty. If a particular Business Associate employee violates safety norms three times, he shall not be allowed to work in TPCODL for a period of one year from the date of the 3<sup>rd</sup> violation.



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| Consequence of Safety Violation Observed<br>(Not related to Incident/ Accident)      |                                                                        | Violation          |     |                         |     |                                                                                                               |
|--------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------|-----|-------------------------|-----|---------------------------------------------------------------------------------------------------------------|
| S.No.                                                                                | Safety Violation                                                       | 1st                | 2nd | 3rd                     | 4th | Subsequent Violations                                                                                         |
| 1                                                                                    | Working without PPE (Helmet/Gloves/Safety Harness/ Safety Shoes etc.)  | B                  | C   | D                       | D   | Will attract the same penalty as applicable in the 4th violation.                                             |
| 2                                                                                    | Improper Working at Height                                             | B                  | C   | D                       | D   |                                                                                                               |
| 3                                                                                    | Working without proper tools and tackles                               | A                  | B   | C                       | D   |                                                                                                               |
| 4                                                                                    | Poor condition of Crane/Hydra/ Vehicle/Incompetent driver/ Helper      | B                  | C   | D                       | E   |                                                                                                               |
| 5                                                                                    | Violation of SOP/ WI                                                   | C                  | D   | E                       |     |                                                                                                               |
| 6                                                                                    | Working without adherence to PTW process or authorization/ Safety Zone | C                  | D   | E                       |     |                                                                                                               |
|                                                                                      |                                                                        |                    |     |                         |     |                                                                                                               |
| Legend                                                                               | Action to be taken                                                     | Responsibility     |     | Penalty Amount (in Rs.) |     | The number of violations are to be calculated cumulatively over the contract period and not on monthly basis. |
| A                                                                                    | Levy of Penalty                                                        | Engineer Incharge  |     | 5,000                   |     |                                                                                                               |
| B                                                                                    | Memo to BA & Levy of Penalty                                           | Engineer Incharge  |     | 10,000                  |     |                                                                                                               |
| C                                                                                    | Memo to BA & Levy of Penalty                                           | Head of Group      |     | 25,000                  |     |                                                                                                               |
| D                                                                                    | Memo to BA & Levy of Penalty                                           | Head of Department |     | 50,000                  |     |                                                                                                               |
| E                                                                                    | Memo to BA, Levy of Penalty and termination of Contract                | Head of Department |     | 1,00,000                |     |                                                                                                               |
| Figure 6.3 (1b)-Penalty Matrix for Safety violation (Applicable for Major Contracts) |                                                                        |                    |     |                         |     |                                                                                                               |

Once the BA reaches the “BLACK” (color – “5”) category, i.e. highest level of safety violation, “Termination” notice to BA will be issued from the office of the Head of Department (equivalent to Addl GM/ GM/ Sr. GM level) and further, *if required*, continuation / extension of contract will only be initiated by Functional Head of the department (equivalent to Sr. GM / VP level) and approved by CEO & MD. Till the extension, the contract will remain suspended.

TPCODL encourages the reportage of the safety violation during the contract work by BA. Any TPCODL employee can register a safety violation against the BA in the “Safety Violation Form” *annexure 10*. Initially the observer has to fill the form and handover the counterfoil (lower portion) of the document to the supervisor of the BA, inform the site engineer of TPCODL and send the top portion of the Safety Violation Form to SAFETY group for the further necessary action against the BA. **The cumulative nos. of Safety Violations pertaining to any particular BA shall be calculated on yearly basis.**

Safety violations resulting in incident / accident will be treated as per gravity of the injury / fatality and its impact as well as type i.e. minor or Major. Consequences of incident / accident are shown in the matrix (figure 6.3(2) for major and 6.3(3) for minor) below. In case of any accident, findings and recommendations of Accident Enquiry Committee will be final and binding and will supersede the arbitration clause of GCC.

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| Consequence Of an Incident / Accident<br>(In case of <u>MAJOR</u> contract) |                                                                              | Incident / Accident                                                                  |     |                  |     | Action Required                                                                                               |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----|------------------|-----|---------------------------------------------------------------------------------------------------------------|
| Sl. No                                                                      | Type of the injury                                                           | 1st                                                                                  | 2nd | 3rd              | 4th |                                                                                                               |
| 1                                                                           | Slight injury (First Aid Case)                                               | F<br>(Strengthening of process through continuous improvement in the work procedure) |     |                  |     | Take risk reduction measures                                                                                  |
| 2                                                                           | Minor injury (No or Hospitalization less then 48 Hrs)                        | F                                                                                    | G   | G                | H   |                                                                                                               |
| 3                                                                           | Major injury (Bone injury or burn or Hospitalization more then 48 Hrs)       | G                                                                                    | G   | H                | I   |                                                                                                               |
| 4                                                                           | Single fatality                                                              | J                                                                                    | K   |                  |     | Intolerable                                                                                                   |
| 5                                                                           | Multiple fatalities (Two or more fatalities during one event)                | K                                                                                    |     |                  |     |                                                                                                               |
| Legend                                                                      | Action to be taken                                                           | Responsibility                                                                       |     | Penalty (in Rs.) |     | The number of violations are to be calculated cumulatively over the contract period and not on monthly basis. |
| F                                                                           | Memo to BA and levy of penalty                                               | Engineer Incharge                                                                    |     | 5,000/-          |     |                                                                                                               |
| G                                                                           | Memo to BA and levy of penalty                                               | Head of Group                                                                        |     | 20,000/-         |     |                                                                                                               |
| H                                                                           | Memo to BA and levy of penalty                                               | Head of Group                                                                        |     | 50,000/-         |     |                                                                                                               |
| I                                                                           | Memo to BA and levy of penalty                                               | Head of Department                                                                   |     | 2,00,000/-       |     |                                                                                                               |
| J                                                                           | Memo to BA and levy of penalty                                               | Head of Department                                                                   |     | 5,00,000/-.      |     |                                                                                                               |
| K                                                                           | Memo to BA, levy of penalty, termination of contract and black listing of BA | Functional Head                                                                      |     | 10,00,000/-      |     |                                                                                                               |
| Figure 6.3 (2) - Penalty Matrix for Incident / Accident in Major Contracts  |                                                                              |                                                                                      |     |                  |     |                                                                                                               |

Figure 6.3 (2) - Penalty Matrix for Incident / Accident in Major Contracts

(For example: In major contracts, if there is first incidence of major injury say bone injury (Cat. 3) where worker was hospitalized for more than 48 hrs then a penalty of amount Rs.20000/- will be deducted from the current bill produced for the payment. This penalty will be similar for first two incidents. However, it will increment to next higher category i.e. Rs. 50,000/- on subsequent incidents as per the above matrix)

| Consequence Of an Incident / Accident<br>(In case of <u>MINOR</u> contract) |                                                                                  | Incident / Accident                                                                  |     |                  |                                                                                                               | Action<br>Required              |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----|------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------|
| Sl. No                                                                      | Type of the injury                                                               | 1st                                                                                  | 2nd | 3rd              | 4th                                                                                                           |                                 |
| 1                                                                           | Slight injury (First Aid Case)                                                   | L<br>(Strengthening of process through continuous improvement in the work procedure) |     |                  |                                                                                                               | Take risk reduction<br>measures |
| 2                                                                           | Minor injury (No or Hospitalization less then 48 Hrs)                            | L                                                                                    | M   | M                | N                                                                                                             |                                 |
| 3                                                                           | Major injury (Bone injury or burn or Hospitalization more then 48 Hrs)           | M                                                                                    | M   | N                | O                                                                                                             |                                 |
| 4                                                                           | Single fatality                                                                  | P                                                                                    | Q   |                  |                                                                                                               | Intolerable                     |
| 5                                                                           | Multiple fatalities (Two or more fatalities during one event)                    | Q                                                                                    |     |                  |                                                                                                               |                                 |
| Legend                                                                      | Action to be taken                                                               | Responsibility                                                                       |     | Penalty (in Rs.) | The number of violations are to be calculated cumulatively over the contract period and not on monthly basis. |                                 |
| L                                                                           | Memo to BA and levy of penalty                                                   | Engineer Incharge                                                                    |     | 5,000/-          |                                                                                                               |                                 |
| M                                                                           | Memo to BA and levy of penalty                                                   | Engineer Incharge                                                                    |     | 10,000/-         |                                                                                                               |                                 |
| N                                                                           | Memo to BA and levy of penalty                                                   | Head of Group                                                                        |     | 25,000/-         |                                                                                                               |                                 |
| O                                                                           | Memo to BA and levy of penalty                                                   | Head of Department                                                                   |     | 1,00,000/-       |                                                                                                               |                                 |
| P                                                                           | Memo to BA and levy of penalty                                                   | Head of Department                                                                   |     | 3,00,000/-       |                                                                                                               |                                 |
| Q                                                                           | Memo to BA, levy of penalty, termination of contract and black listing of the BA | Functional Head                                                                      |     | 5,00,000/-       |                                                                                                               |                                 |
| Figure 6.3 (3) - Penalty Matrix for Incident / Accident in Minor Contracts  |                                                                                  |                                                                                      |     |                  |                                                                                                               |                                 |

Figure 6.3 (3) - Penalty Matrix for Incident / Accident in Minor Contracts

|            |                                                 |               |
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*(For example: In minor contracts, if a worker meets with a non-fatal accident say bone injury (Cat. 3) where he was hospitalized for more than 48 hrs then a penalty of amount Rs. 10,000/-, will be charged from the current bill produced for the payment. This penalty will be similar for first two incidents. However, it will increment to next higher category i.e. Rs. 25,000/- on subsequent incidents as per the above matrix.)*

In case of single or multiple fatalities described under legends J&K of 6.3(2) and P&Q of 6.3(3), the concerned BA may be debarred from extension of contract or participate in new contract. In such event the approval of Chief (O & S) will be necessary for extension or award of new contract to concerned BA.

### **6.3.2 COMPENSATION FOR BA PERSONNEL**

In the event of any untoward incident/ accident, the Business Associate shall ensure prompt medical assistance such as treatment, sickness benefit, etc. is provided to the victim(s) as per the Employees' Compensation Act, 1923 or Employees' State Insurance Act, 1948, as applicable. Also, the BA will be required to take adequate measures for compensating the victim(s) or his/her/their kin as follows:

#### **I. For Death or Permanent / Total Disablement**

The BA shall take an insurance coverage of at least Rs. 15 lakhs for each engaged employee, to cover any incidence of Death or Permanent / Total Disablement (Permanent/Total Disability shall be considered as defined under Employees' Compensation Act, 1923). In the event of any such unfortunate incident, the BA would ensure that adequate compensation is paid immediately to the family of the victim(s) from his own resources. This compensation shall be covered under the insurance policy subscribed by the BA mentioned earlier and the arrangement should be such that it would get reimbursed to the BA by the insurance agency subsequently.

#### **II. For Permanent Partial Disablement and Temporary Total Disablement**

The compensation in this case will be as per provisions of the Employees' Compensation Act, 1923 or Employees' State Insurance Act, 1948, as applicable.

Accordingly, the BA shall obtain a suitable Insurance Policy on award of Contract and submit documentary evidence of the policy to the BA Cell before commencement of work. The BA shall ensure that the Insurance policy is active at all times and all employees are covered in all respects till the conclusion of contract period or till working with TPCODL. The BA shall submit a copy of the policy after periodic renewals to the BA Cell.

However, on occurrence of such unfortunate incident, if it is found that the victim(s) is/are not covered under any insurance policy, the BA shall be liable to pay the entire sum of Rs. 10 lakhs from his own resources.

Further, in case of an accident resulting in Death or Permanent / Total Disablement while on duty, the appointed BA Nodal Officer will ensure that the BA complies with all statutory

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provisions and benefits i.e. PF, Compensation, Gratuity etc., and that all these are made available to the employees' nominee(s) as per the stipulated timelines.

**6.3.3** TPCODL rewards the BA with good track record of safety management. It is proposed that BA complying with Contractors Safety Management, Safety Manual and Safety process will be rewarded suitably as per the procedure, rule and regulations of the TPCODL. In any case major accident is reported during an assessment period BA will not be eligible for this reward scheme. Assessment of contracts will be once in year. Generally the assessment cycle is calendar year and guidelines will be declared time to time.

#### Abbreviations Used in the Document

|                               |                                                                                                  |
|-------------------------------|--------------------------------------------------------------------------------------------------|
| TPCODL                        | TP Central Odisha Distribution Limited                                                           |
| BA                            | Business Associate                                                                               |
| HIRA                          | Hazard Identification & Risk Assessment                                                          |
| JSA                           | Job Safety Analysis                                                                              |
| EHV                           | Extra High Voltage                                                                               |
| SAFETY                        | Safety, Occupation Health, Environment & Disaster Management                                     |
| MMG                           | Meter Management Group                                                                           |
| EAG                           | Energy Audit Group                                                                               |
| PPE                           | Personal Protective Equipment                                                                    |
| SOP                           | Standard Operating Procedures                                                                    |
| CSI/SI                        | Circle Safety In-charge / Safety In-charge                                                       |
| ASO                           | Area Safety Officer                                                                              |
| NSO                           | Nodal Safety Officer                                                                             |
| SC                            | Safety Coordinator                                                                               |
| HoG / HoD                     | Head of Group / Head of Department                                                               |
| AGM / GM / VP                 | Assistant General Manager / General Manager / Vice President                                     |
| CFO / Chief (O & S)/ CEO & MD | Chief Finance Officer / Chief (Operating & Safety) / Chief Executive Officer & Managing Director |
| COS                           | Corporate Operation Services                                                                     |
| CAP                           | Centralized Account Payable System                                                               |
| PTW                           | Permit To Work                                                                                   |
| GCC                           | General Conditions of Contract.                                                                  |

- END -

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**Annexure 1 (Refer Para 3.1)**

***Business Associate Safety Management System Questionnaire***

|                                                                                                                                |  |                      |                  |                       |
|--------------------------------------------------------------------------------------------------------------------------------|--|----------------------|------------------|-----------------------|
| <b>Certification</b>                                                                                                           |  |                      |                  |                       |
| The information provided in this questionnaire is a summary of the company's occupational health and safety management system. |  |                      |                  |                       |
| Company Name:                                                                                                                  |  |                      |                  |                       |
| Turnover and experience:                                                                                                       |  | Name of top officer: |                  |                       |
| Date:                                                                                                                          |  | Position             |                  |                       |
| Contract Details                                                                                                               |  |                      |                  |                       |
| Contract Name                                                                                                                  |  |                      | Contract Number: |                       |
| <b>Business Associates Safety Management System Questionnaire</b>                                                              |  | <b>Marks</b>         | <b>Yes</b>       | <b>No</b>             |
|                                                                                                                                |  |                      |                  | <b>Score achieved</b> |
| <i>Safety Policy and Management</i>                                                                                            |  |                      |                  |                       |
| - Is there a written company Safety policy?                                                                                    |  | 1                    |                  |                       |
| - If yes provide a copy of the policy, if No please refer Note 1.                                                              |  |                      |                  |                       |
|                                                                                                                                |  |                      |                  |                       |
| - Does the company have an Safety Management system                                                                            |  | 1                    |                  |                       |
| - If yes provide details, if No please refer Note 1.                                                                           |  |                      |                  |                       |
|                                                                                                                                |  |                      |                  |                       |
| - Is there a company Safety Management System manual or plan?                                                                  |  | 2                    |                  |                       |
| - If yes provide a copy of the content page(s), if No please refer Note 1.                                                     |  |                      |                  |                       |
|                                                                                                                                |  |                      |                  |                       |
| - Are Safety and occupational health responsibilities clearly identified for all levels of Management and staff?               |  | 2                    |                  |                       |
| - If yes provide details, if No please refer Note 1.                                                                           |  |                      |                  |                       |
|                                                                                                                                |  |                      |                  |                       |
| <i>Safe Work Practices and Procedures</i>                                                                                      |  |                      |                  |                       |
| - Has the company prepared safe operating procedures or specific safety instructions relevant to                               |  | 1                    |                  |                       |

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| Certification                                                                                                                                                                                            |   |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--|--|--|
| <b>its operations and relevant work as per contract?</b><br><br>- If yes provide a summary listing of procedures or instructions, if No please refer Note 2.<br><br>- Comments                           |   |  |  |  |
| <b>- Is there a register of injury or accident?</b><br>- If yes provide a copy (format)                                                                                                                  | 1 |  |  |  |
| <b>- Is there a documented incident or accident investigation procedure?</b><br><br>- If yes provide a copy of a standard incident report form, if No please refer Note 2.<br><br>- Comments             | 1 |  |  |  |
|                                                                                                                                                                                                          |   |  |  |  |
|                                                                                                                                                                                                          |   |  |  |  |
| <i>Safety Training</i>                                                                                                                                                                                   |   |  |  |  |
| <b>- Describe how occupational health and safety training is conducted in your company</b><br><br>If No please refer Note 1.                                                                             | 2 |  |  |  |
| <b>- Is a record maintained of all training and induction programs undertaken for employees in your company?</b><br><br>- If yes provide examples of safety training records, if No please refer Note 2. | 1 |  |  |  |
|                                                                                                                                                                                                          |   |  |  |  |
| <b>- Are regular safety inspections / audits are undertaken at worksites?</b><br><br>-If yes provide details (formats), if No please refer Note 3.                                                       | 1 |  |  |  |
|                                                                                                                                                                                                          |   |  |  |  |

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| Certification                                                                                                                                                                                                                                                                       |                                               |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--|--|--|
| <b>- Is there a procedure by which employees can report hazards at workplaces?</b><br><br>- If yes provide details if No please refer Note 1.                                                                                                                                       | 1                                             |  |  |  |
|                                                                                                                                                                                                                                                                                     |                                               |  |  |  |
| Safety Monitoring                                                                                                                                                                                                                                                                   |                                               |  |  |  |
| <b>- Is there an officer / supervisor responsible for monitoring workplace / worksite safety?</b><br><br>- If yes provide details                                                                                                                                                   | 1                                             |  |  |  |
|                                                                                                                                                                                                                                                                                     |                                               |  |  |  |
| Safety Performance Monitoring                                                                                                                                                                                                                                                       |                                               |  |  |  |
| <b>- Are employees regularly provided with information on company health and safety performance?</b><br><br>- If yes provide details                                                                                                                                                | 1                                             |  |  |  |
|                                                                                                                                                                                                                                                                                     |                                               |  |  |  |
| <b>- Has the company ever been convicted of an occupational health and safety offence?</b><br><br>- If yes provide details                                                                                                                                                          | NO Marks<br>(Negative mark ONE for each case) |  |  |  |
|                                                                                                                                                                                                                                                                                     |                                               |  |  |  |
| - Has there been any major accident of employee at TPCODL site in past                                                                                                                                                                                                              | NO Marks<br>(Negative mark ONE for each case) |  |  |  |
|                                                                                                                                                                                                                                                                                     |                                               |  |  |  |
| - Has there been any fatal accident of employee at TPCODL site in past.<br>- (Note: Bid evaluation committee has to take cognizance of the incident and shall evaluate the bid only after formal approval of competent authority i.e. CTO.<br>- In case of yes please refer Note 4. | NO Mark<br>(Negative mark FIVE for each case) |  |  |  |
|                                                                                                                                                                                                                                                                                     |                                               |  |  |  |

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| Certification                                       |  |                      |  |  |
|-----------------------------------------------------|--|----------------------|--|--|
| Minimum of 75% marks is required for qualification. |  | Total Marks achieved |  |  |
| Company Reference                                   |  |                      |  |  |
| 1. Name of company                                  |  |                      |  |  |
| 2. Name of company                                  |  |                      |  |  |

#### Note

1: If company does not have formal procedure on Safety Management System than vendor may submit proposed Safety road map along with safety action plan and brief safety policy on his letter head signed by head of the organization.

2: The vendor may submit the same in the Safety Action Plan.

3: The vendor may utilize the same format of TPCODL or on request SAFETY group will assist the vendor in developing the audit system. For other points also vendor may take the assistance of SAFETY group for development of Safety management system.

4: The vendor may submit the Safety Improvement Plan and Safety Action Plan for his employees based on following points.

- i. Action plan for enhancing safety awareness
- ii. Action plan for safety training of employee
- iii. Action plan for increasing safety audit in field
- iv. Action plan for provision and utilization of safety PPE.
- v. Action plan for fatality reduction.
- vi. Action plan for enhanced supervision at site
- vii. Action plan for making employee more responsible and accountable for safety.
- viii. Action plan for availability and utilization of all required tool and equipment.
- ix. Safety Improvement done in last two years, specially highlighting those which have been taken after the fatal accident along with results.
- x. Safety initiatives planed or started recently.
- xi. Any other point.

Based on above points and documentary evidences vendor will be required to submit a detailed report in support of his bid. The bid evaluation committee and competent authority will scrutinize the facts and the evidence submitted. If found satisfactory competent authority i.e. CTO may accord his approval for bid opening otherwise his tender shall be disqualified.

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**Annexure 2 (Refer Para 3.2 and 5.8)**

***Risk Assessment Form***

|                      |
|----------------------|
| Business Associate:  |
| Scope of the work:   |
| BA's Representative: |
| Telephone:           |
| Signature:           |
| Date:                |

| Specific Task/Activity                    | Potential Hazards/Consequences | Class of Risk | Control Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------|--------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Working at Height                         | Fall from height               | 2             | <ol style="list-style-type: none"> <li>1. Mandatory usage of JSA checklist prior to start of work</li> <li>2. Use appropriate ladder</li> <li>3. Use full body safety harness having double lanyard.</li> <li>4. Use Electrical Safety Shoes if working on electrical network otherwise use safety shoes.</li> <li>5. Use Safety helmet.</li> <li>6. Use PPE as per the annexure 7 of this CSM document</li> <li>7. Refer Work instruction related to Working at Height for other details</li> <li>8. Use of metal scaffold to be ensured in height work (cup lock type)</li> <li>9. Deploy competent workforce who are medically fit</li> </ol>                              |
| Working on electrical equipment / network | Electric flash / electrocution | 3             | <ol style="list-style-type: none"> <li>1. Mandatory usage of JSA checklist prior to start of work</li> <li>2. Use Electrical Safety Shoes while working on electrical network.</li> <li>3. Use Electrical Safety gloves of appropriate voltage rating.</li> <li>4. Use face shield / visor attached with helmet.</li> <li>5. Use Safety helmet.</li> <li>6. Use PPE as per the annexure 7 of this CSM document</li> <li>7. Mandatory usage of Insulated tools &amp; tackles on electrical system</li> <li>8. Mandatory compliance for Lock Out &amp; Tag out system. Refer Work instruction related to Working on electrical equipment / network for other details</li> </ol> |

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| Specific Task/Activity                      | Potential Hazards/Consequences                            | Class of Risk | Control Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------|-----------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Excavation / Civil work                     | Collapse of soil, Fall in excavated pit leading to Injury | 2             | <ol style="list-style-type: none"> <li>1. Use safety shoes.</li> <li>2. Use Safety helmet.</li> <li>3. Use PPE as per the annexure 7 of this CSM document</li> <li>4. Hard Barricading of the worksite.</li> <li>5. Refer Work instruction related to excavation / civil work for other details</li> </ol>                                                                                                                                                                                                       |
| Material lifting & Mechanical Erection work | Fall of material/object, Topple of crane,                 | 2             | <ol style="list-style-type: none"> <li>1. Mandatory compliance of crane checklist</li> <li>2. Visual condition check of lifting tools and tackles such as wire rope sling, belt sling, chain, pulley block, D-shackles, etc. shall be ensured.</li> <li>3. The operator's physical fitness and alertness should be judged by sup. / EIC.</li> <li>4. Use PPE as per the annexure 7 of this CSM document</li> <li>5. Refer Work instruction related to Material lifting &amp; Mechanical Erection work</li> </ol> |
| Road Safety                                 | Road Accidents                                            | 3             | <ol style="list-style-type: none"> <li>1. Mandatory compliance of TPCODL Road Safety policy W07(COR-P-12)</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                             |

*Note: This information for the general indication purpose. The detailed risk assessment shall be conducted before start of the work by the authorized representative of the BA. The report of same shall be submitted to engineer in-charge along with annexure 4 of the CSM document.*

### Guidelines for filling the Risk Assessment Form

- **Specific Task/Activity** - The documentation of each major task associated with the contract.
- **Potential Hazards** - The identification of hazards associated with each activity or task to be carried out.
- **Class of Risk** - Each hazard should be evaluated as a level of risk, described as Risk Class 1, 2 or 3 defined above.
- **Control Measure** - The identification and documentation of actions required to eliminate or reduce the hazards that could lead to accident or injury.

Hazard / Risks shall be classified according to the following schedule:

- Class 1: Potential to cause injury treatable with first aid
- Class 2: Potential to cause death or permanent injury
- Class 3: Potential to cause more than one or more lost time injuries.

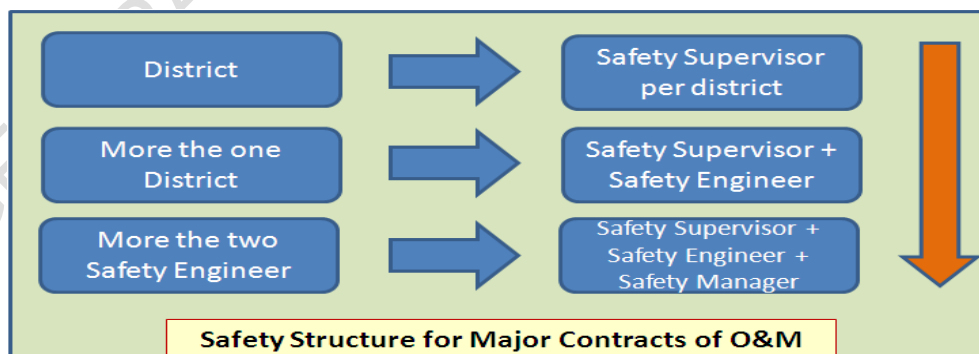
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### **Annexure 3.1 (Refer Para 4.0)**

#### **General Safety Conditions for the Maintenance of Distribution Network Contracts:**

A BA awarded a contract (O&M) work of maintenance of distribution network will be required to fulfil the following conditions:

- BA shall provide Safety Policy and safety objectives of their company.
- BA shall comply with all statutory requirements like: applicable acts, regulations, codes of practice, OHSAS Standards, etc.
- BA shall provide the filled safety management questionnaire as per Annexure 1
- BA shall conduct a job risk assessment and provide information as per Annexure 2
- BA shall abide by Safety manuals, guidelines of TPCODL.
- BA shall provide its organisation structure & responsibilities in terms of Safety Management to TPCODL.
- BA shall document the work practices and procedures in terms of Safety Management.
- BA shall ensure safety training and induction program for the employees
- BA shall conduct safety audits & inspections as per TPCODL procedures provided by SAFETY group.
- BA shall provide and ensure the proper usage of the safety equipment (PPE) as per the TPCODL approved list in *annexure 7*.
- BA shall ensure periodic inspection of PPE to ensure its serviceability as per the specification given by TPCODL.
- BA shall ensure the adherence to standard operating procedures or guidelines laid down by TPCODL.
- BA shall ensure reporting of any unsafe act, unsafe conditions, near miss, incident or accident to engineer in-charge and SAFETY team of TPCODL.
- BA shall provide safety performance and Safety MIS (*annexure 9*) to engineer in-charge and SAFETY group periodically. Based on any non-confirmation to the safety procedures and guidelines, BA is liable to be negatively marked for his performance and suitable penalty will be imposed.
- BA shall ensure to depute a Safety Supervisor for managing a complete safety management system in a district. In case the BA has been awarded work in more than one district, then the following safety structure will be adopted.



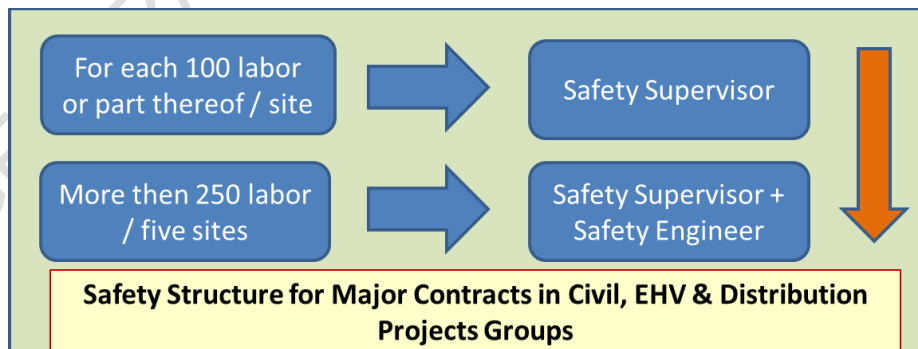
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### **Annexure 3.2 (Refer Para 4.0)**

#### **General Safety Conditions for the Distribution Projects Major Contracts:**

A BA awarded a major contract work of TS&P in area of a circle will be required to fulfil the following conditions:

- BA shall provide Safety Policy and safety objectives of their company.
- BA shall comply with all statutory requirements like: applicable acts, regulations, codes of practice, OHSAS Standards, etc.
- BA shall provide the filled safety management questionnaire as per Annexure 1.
- BA shall conduct a job risk assessment and provide information as per Annexure 2
- BA shall abide by Safety manuals, guidelines of TPCODL.
- BA shall provide its organisation structure & responsibilities in terms of Safety Management to TPCODL.
- BA shall document the work practices and procedures in terms of Safety Management.
- BA shall ensure safety training and induction program for the employees
- BA shall conduct safety audits & inspections as per TPCODL procedures provided by SAFETY group.
- BA shall provide and ensure the proper usage of the safety equipment (PPE) as per the TPCODL approved list in annexure 7.
- BA shall ensure periodic inspection of PPE to ensure its serviceability as per the specification given by TPCODL.
- BA shall ensure the adherence to standard operating procedures or guidelines laid down by TPCODL.
- BA shall ensure reporting of any unsafe act, unsafe conditions, near miss, incident or accident to engineer in-charge and SAFETY team of TPCODL.
- BA shall provide safety performance and Safety MIS (*annexure 9*) to engineer in-charge and SAFETY group periodically. Based on any non-confirmation to the safety procedures and guidelines, BA is liable to be negatively marked for his performance and suitable penalty will be imposed.
- BA shall ensure to depute a Safety Supervisor for managing a complete safety management system in the area. In case the BA has been awarded work in more than one circle, then the following safety structure will be adopted.



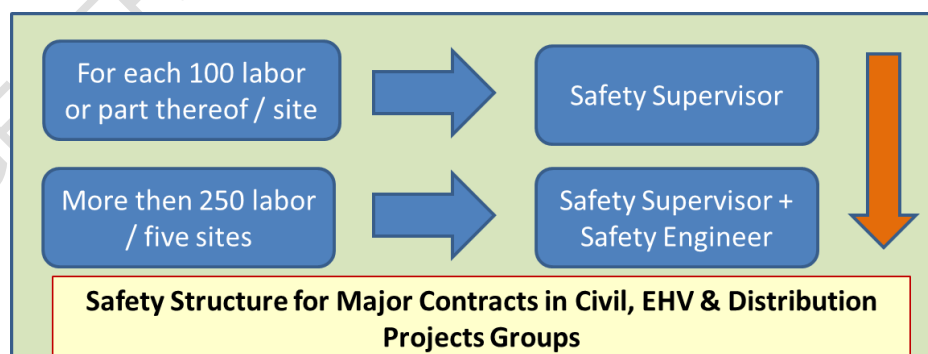
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### Annexure 3.3 (Refer Para 4.0)

#### **General Safety Conditions for the major EHV Projects Contracts:**

A BA awarded a major contract work of EHV projects will be required to fulfil the following conditions:

- BA shall provide Safety Policy and safety objectives of their company.
- BA shall comply with all statutory requirements like: applicable acts, regulations, codes of practice, OHSAS Standards, etc.
- BA shall provide the filled safety management questionnaire as per Annexure 1
- BA shall conduct a job risk assessment and provide information as per Annexure 2
- BA shall abide by Safety manuals, guidelines of TPCODL.
- BA shall provide its organisation structure & responsibilities in terms of Safety Management to TPCODL.
- BA shall document the work practices and procedures in terms of Safety Management.
- BA shall ensure safety training and induction program for the employees
- BA shall conduct safety audits & inspections as per TPCODL procedures provided by SAFETY group.
- BA shall provide and ensure the proper usage of the safety equipment (PPE) as per the TPCODL approved list in annexure 7.
- BA shall ensure periodic inspection of PPE to ensure its serviceability as per the specification given by TPCODL.
- BA shall ensure the adherence to standard operating procedures or guidelines laid down by TPCODL.
- BA shall ensure reporting of any unsafe act, unsafe conditions, near miss, incident or accident to engineer in-charge and SAFETY team of TPCODL.
- BA shall provide safety performance and Safety MIS (*annexure 9*) to engineer in-charge and SAFETY group periodically. Based on any non-confirmation to the safety procedures and guidelines, BA is liable to be negatively marked for his performance and suitable penalty will be imposed.
- BA shall ensure to depute a Safety Supervisor for managing a complete safety management system in the area. In case the BA has been awarded work in more than one circle, then the following safety structure will be adopted.
- BA shall refer Construction Safety Manual in TPCODL Safety Manual for details.



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### Annexure 3.4 (Refer Para 4.0)

#### **General Safety Conditions for the Maintenance of Sub – Transmission Network Contracts:**

A BA awarded a major contract work of maintenance of sub – transmission network in area of a power system will be required to fulfil the following conditions:

- BA shall provide Safety Policy and safety objectives of their company.
- BA shall comply with all statutory requirements like: applicable acts, regulations, codes of practice, OHSAS Standards, etc.
- BA shall provide the filled safety management questionnaire as per Annexure 1
- BA shall conduct a job risk assessment and provide information as per Annexure 2
- BA shall abide by Safety manuals, guidelines of TPCODL.
- BA shall provide its organisation structure & responsibilities in terms of Safety Management to TPCODL.
- BA shall document the work practices and procedures in terms of Safety Management.
- BA shall ensure safety training and induction program for the employees
- BA shall conduct safety audits & inspections as per TPCODL procedures provided by SAFETY group.
- BA shall provide and ensure the proper usage of the safety equipment (PPE) as per the TPCODL approved list in annexure 7.
- BA shall ensure periodic inspection of PPE to ensure its serviceability as per the specification given by TPCODL.
- BA shall ensure the adherence to standard operating procedures or guidelines laid down by TPCODL.
- BA shall ensure reporting of any unsafe act, unsafe conditions, near miss, incident or accident to engineer in-charge and SAFETY team of TPCODL.
- BA shall provide safety performance and Safety MIS (*annexure 9*) to engineer in-charge and SAFETY group periodically. Based on any non-confirmation to the safety procedures and guidelines, BA is liable to be negatively marked for his performance and suitable penalty will be imposed.
- BA shall ensure to depute a Safety Coordinator for managing a complete safety management system in the area. In case the BA has been awarded work in more than one area power system, then the following safety structure will be adopted.



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### Annexure 3.5 (Refer Para 4.0)

#### **General Safety Conditions for the major contract work in Civil / Generation Projects:**

A BA awarded a major contract work of / in civil or Generation project will be required to fulfil the following safety conditions:

- BA shall provide Safety Policy and safety objectives of their company.
- BA shall comply with all statutory requirements like: applicable acts, regulations, codes of practice, OHSAS Standards, etc.
- BA shall provide the filled safety management questionnaire as per Annexure 1
- BA shall conduct a job risk assessment and provide information as per Annexure 2
- BA shall abide by Safety manuals, guidelines of TPCODL.
- BA shall provide its organisation structure & responsibilities in terms of Safety Management to TPCODL.
- BA shall document the work practices and procedures in terms of Safety Management.
- BA shall ensure safety training and induction program for the employees
- BA shall conduct safety audits & inspections as per TPCODL procedures provided by SAFETY group.
- BA shall provide and ensure the proper usage of the safety equipment (PPE) as per the TPCODL approved list in annexure 7.
- BA shall ensure periodic inspection of PPE to ensure its serviceability as per the specification given by TPCODL.
- BA shall ensure the adherence to standard operating procedures or guidelines laid down by TPCODL.
- BA shall ensure reporting of any unsafe act, unsafe conditions, near miss, incident or accident to engineer in-charge and SAFETY team of TPCODL.
- BA shall provide safety performance and Safety MIS (*annexure 9*) to engineer in-charge and SAFETY group periodically. Based on any non-confirmation to the safety procedures and guidelines, BA is liable to be negatively marked for his performance and suitable penalty will be imposed.
- BA shall ensure to depute a Safety Supervisor (for workforce upto 100 at site) / a safety engineer (for workforce upto 250 at site) / safety manager (for more than two safety engineers) for managing a complete safety management system at the project site. In case the BA has been awarded more than one major contracts, then the following safety structure will be adopted.
- BA shall refer Construction Safety Manual in TPCODL Safety Manual for details.



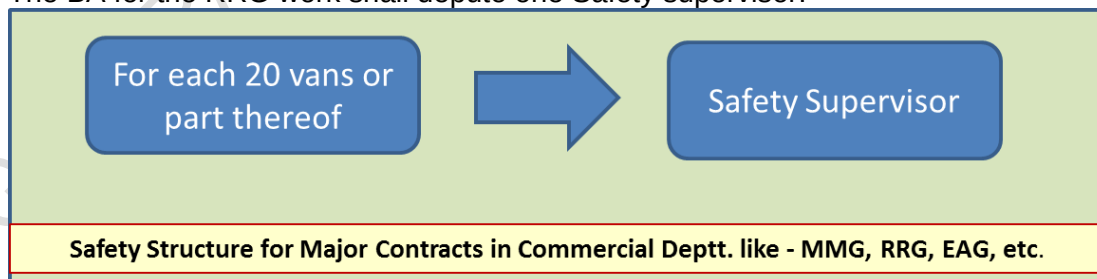
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### **Annexure 3.6 (Refer Para 4.0)**

#### **General Safety Conditions for the major contract work in Commercial Department like - MMG, RRG, EAG, etc.:**

A BA awarded a major contract work in meter management group & energy auditing group will be required to fulfil the following safety conditions:

- BA shall provide Safety Policy and safety objectives of their company.
- BA shall comply with all statutory requirements like: applicable acts, regulations, codes of practice, OHSAS Standards, etc.
- BA shall provide the filled safety management questionnaire as per Annexure 1
- BA shall conduct a job risk assessment and provide information as per Annexure 2
- BA shall abide by Safety manuals, guidelines of TPCODL.
- BA shall provide its organisation structure & responsibilities in terms of Safety Management to TPCODL.
- BA shall document the work practices and procedures in terms of Safety Management.
- BA shall ensure safety training and induction program for the employees
- BA shall conduct safety audits & inspections as per TPCODL procedures provided by SAFETY group.
- BA shall provide and ensure the proper usage of the safety equipment (PPE) as per the TPCODL approved list in annexure 7.
- BA shall ensure periodic inspection of PPE to ensure its serviceability as per the specification given by TPCODL.
- BA shall ensure the adherence to standard operating procedures or guidelines laid down by TPCODL.
- BA shall ensure reporting of any unsafe act, unsafe conditions, near miss, incident or accident to engineer in-charge and SAFETY team of TPCODL.
- BA shall provide safety performance and Safety MIS (*annexure 9*) to engineer in-charge and SAFETY group periodically. Based on any non-confirmation to the safety procedures and guidelines, BA is liable to be negatively marked for his performance and suitable penalty will be imposed.
- BA shall ensure to depute a Safety Supervisor for managing a complete safety management system for the work as per the following safety structure.
- The BA for the RRG work shall depute one Safety supervisor.



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### **Annexure 3.7 (Refer Para 4.0)**

#### **General Safety Conditions for the major contract work in O&M of street light group:**

A BA awarded a major contract work in operation and maintenance of street light group will be required to fulfil the following safety conditions:

- BA shall provide Safety Policy and safety objectives of their company.
- BA shall comply with all statutory requirements like: applicable acts, regulations, codes of practice, OHSAS Standards, etc.
- BA shall provide the filled safety management questionnaire as per Annexure 1
- BA shall conduct a job risk assessment and provide information as per Annexure 2
- BA shall abide by Safety manuals, guidelines of TPCODL.
- BA shall provide its organisation structure & responsibilities in terms of Safety Management to TPCODL.
- BA shall document the work practices and procedures in terms of Safety Management.
- BA shall ensure safety training and induction program for the employees
- BA shall conduct safety audits & inspections as per TPCODL procedures provided by SAFETY group.
- BA shall provide and ensure the proper usage of the safety equipment PPE as per the TPCODL approved list in annexure 7.
- BA shall ensure periodic inspection of PPE to ensure its serviceability as per the specification given by TPCODL.
- BA shall ensure the adherence to standard operating procedures or guidelines laid down by TPCODL.
- BA shall ensure reporting of any unsafe act, unsafe conditions, near miss, incident or accident to engineer in-charge and SAFETY team of TPCODL.
- BA shall provide safety performance and Safety MIS (*annexure 9*) to engineer in-charge and SAFETY group periodically. Based on any non-confirmation to the safety procedures and guidelines, BA is liable to be negatively marked for his performance and suitable penalty will be imposed.
- Each BA shall ensure to depute a Safety Supervisor for managing a complete safety management system for the work awarded as per the below structure.



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#### **Annexure 4 (Refer Para 3.3)**

##### **Safety Undertaking by way of Affidavit**

I \_\_\_\_\_ s/o \_\_\_\_\_ R/o \_\_\_\_\_ (AUTHORIZED REPRESENTATIVE/PARTNER/DIRECTOR/PROPRIETOR ) of M/S \_\_\_\_\_ (name of company/firm) having its office at (Complete address of Company), authorized vide power of attorney dated -----/Board resolution dated----/letter of authority dated----, hereinafter referred to as **Contractor [or Business Associate (BA)]** which expression shall, unless it be repugnant to or inconsistent with the meaning or context thereof, be deemed to include its heirs, executors, administrators, and assigns do hereby affirm and undertake as under :

1. The present undertaking shall remain in force from the date of execution of contract awarded by TPCODL and shall be valid till the date of termination of the said contract by either parties. The undertaking is binding on me (contractor) as well as my sub-contractor and its employees, representatives etc.
2. That I(the contractor) will be responsible and liable to comply and abide by all the safety rules, instructions and regulations as may be specified and laid down by TP Central Odisha Distribution Limited (TPCODL) so as enable TPCODL to achieve its goal of Zero On site incidences.
3. That the Contractor shall be fully responsible for ensuring occupational health and safety of its employees, representatives, agents as well as of its subcontractor's employees, at all times during the discharge of their respective obligations under the contract including any methods adopted for performance of their tasks / work.
4. That Contractor shall ensure ,at its own expense to arrange for and procure, implement all requisite accident prevention tools, first aid boxes, personal protective equipment, fire extinguisher, safety training, Material Safety Data Sheet, pre-employment medical test, etc. for operations & activities including as & when so specified by TPCODL specifically. , failing which TPCODL shall be entitled, but not obliged, to provide the same and recover the actual cost thereof from the Contractor's payments.
5. That the Contractor shall engage adequate and competent Safety – Supervisor / Engineer / Manager / Skilled persons at site as per the Para 5 (Qualification and experience of safety personnel) and Annexure 3 of Contract Safety Management.

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6. That the Contractor shall engage the competent Site – Supervisor with each group of workers for safe and correct workmanship, proper co-ordination of material and site work as per contract.
7. That the Contractor shall immediately replace supervisor in case it is found to be not up to the level of skill and experience required as in skill and experience required in *annexure 5* of this document, but any such replacement shall be only with the prior concurrence of TPCODL .
8. That the Contractor and its subcontractors shall abide by all the safety guidelines as per Safety Manual, Contract Safety Management and other guidelines issued from time to time by TPCODL during the contract period.
9. That in case the Contractor and/or any of its Subcontractor fail to ensure the compliance as required in terms of this undertaking the Contractor shall keep and hold TPCODL / its directors / officers / employees indemnified against any / all losses / damage / expense / liability / fines / compensation / claims / action / prosecutions or the like which might be suffered by TPCODL or to which TPCODL might get exposed to as a result of any breach /wilful negligence /deliberate default on the part of the Contractor /Subcontractor in complying with the same. Contractor shall also furnish any press release, clarification etc. if sought by TPCODL for any near miss or safety violations, accidents, which are attributable to fault of Contractor.

DEPONENT

VERIFICATION

Verified at Bhubaneswar on this \_Day of \_\_\_\_\_20\_\_ that the contents of the above affidavit are true and correct and nothing material has been concealed therefrom

DEPONENT

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**Annexure 5 (Refer Para 5.4)**

**SKILL / QUALIFICATION REQUIRED FOR ELECTRICIAN AND ELECTRICAL SUPERVISOR**

**Skill / Qualifications Required for Electrician (*Certificate of Competency Class-II*):**

1. Formal education in ITI – Wireman/ Electrician trade.
- OR
2. Working experience of minimum three years of practical wiring.
- OR
3. Have completed three years apprenticeship course through Apprenticeship Advisor, Govt. of NCT of Odisha / other state Govt. in the trade of Lineman / Wireman / Electrician.
  4. A candidate must have attained the age of Eighteen years.

**Skill / Qualifications Required for Electrical Supervisor (*Certificate of Competency Class-I*):**

1. Have at least five years' experience of practical wiring after passing the certificate of competency class-II i.e. electrician.
- OR
2. Recognized Degree or Diploma or equivalent qualification in Electrical Engineering from any Technical institute / College or University recognized by the Board.
- AND
- Must have completed the training/job in rectifying the common defects in electrical line and power installation for a period of one and three years after passing Degree or Diploma respectively
- OR
3. Possessing the valid certificate of certificate of competency class – 1 (Electrical Supervisor)

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## **Annexure 6 (Refer Para 5.6)**

### **Training Module for BAs Worker & Supervisor**

#### **Training for BA Supervisor**

**Duration – 02 Hrs / Month**

**Methodology:** Lecture and Practical Demonstration of Safety Zone Creation

#### **Session: 1**

**Topic:** Electrical Safety Aspects

#### **Sub Topics:**

1. Learning specifics of HT & LT Network of zone
2. Major type of HT / LT / service lines / street light maintenance works
3. Understanding the need of Safety
4. Understanding the safe process of maintenance :
  - Planning of the maintenance job
  - Availability of men, material & machine, PPEs, Safety gear and approved PTW
  - Briefing of the job by the supervisor of the TPCODL
  - Identification of Risks associated with the maintenance work and planning for controlling measures by TPCODL supervisor
  - Creation of safety zone by TPCODL supervisor and satisfying that the network is dead – Use of Neon Tester, Shorting Chain and Safety Tagging
  - Start of the work – Right person for the right job
  - Alert supervision
  - Completion of the job – Check points
  - Energization of network
  - Actions to be taken in case of some accident

#### **Session: 2**

**Topic:** Use of Electrical Testing Equipment

**Methodology:** Lecture and Practical Demonstration

#### **Sub Topics:**

1. Meggar, Hi Pot, Clamp On Meter, Neon Tester, Discharge Rod, Line tester etc.

#### **Session: 3**

**Topic:** Awareness of Electrical Safety Aspects

- A. Understanding the need of this Training and Safety
- B. Learning specifics of HT & LT Network
- C. Major type of work to be carried out in zones
- D. Switching Operations (Do's & Don'ts) including Street Light Switching
- E. Working on Height (*practical demo also*)
- F. Understanding the Safe Process of Maintenance / Working:
  - Planning of the job
  - Availability of men, material & machine, PPEs, Safety gear and approved PTW
  - Briefing of the job by the supervisor

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- Permit to Work
- Safety Tagging and Lock Out Tag out
- Identification of Risks associated with the work to be carried out and planning for controlling measures by proper supervision
- Concept of "**Safety Zone**"
- Identification and use of Neon Tester, Shorting Chain, Clamp On Meter, Hi Pot, Meggar etc.
- Completion of the job – Check points
- Accident Theory & Incident Reporting
- Actions to be taken in case of some accident

#### **Session: 4**

**Topic: Identification, Demonstration and Usages of Tools, PPEs and other Safety Gears and demonstration of working on HT pole**

#### **Session: 5**

**Topic: Practical demonstration of Safety Zone creation**

### **FREQUENCY**

#### **Regular Safety Training Program**

- It will be conducted for all field & supervisor staff of BA in such a manner that all BA Personnel attend at least two hours safety training during every month.

#### **One Day Induction Safety Training Programs:**

- This training will be for the new BA's personnel, who have been cleared by the Cross Functional Panel to undergo Safety training and who are likely to be deployed at various work sites of TPCODL by the BA, as a part of AMC / Work Contract.

#### **Duration / Periodicity:**

- Duration and periodicity has been defined above. However, this is subject to change at the discretion of TPCODL.

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### **Annexure 7 (Refer Para 5.7)**

### **LIST OF PERSONAL PROTECTIVE EQUIPMENT AND TESTING FREQUENCY**

| Sl. No. | Name of PPE                                                         | IS / EN Standard          | Testing Frequency                                                                  | Remarks                                                      | Ref Brand & Model                                                                                 |
|---------|---------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 01      | Leather Safety Shoes (Color – Black) with PU toe cap.               | IS:15298 (Part-2)         | Monthly and visual check every day for any crack or damage in the leather or sole. |                                                              | BATA (Model No.- Endura L/C)<br><br>Liberty (Model No. – 7198-01 HT Barton Black – Warrior)       |
| 02      | HDPE Safety helmet with chin strap and ratchet type for adjustment. | IS:2925-1984              | Monthly and visual check every day for any crack in shell.                         |                                                              | Karam (PN Safetech )<br><br>Joseph Leslie<br>Accent Industries<br>Honeywell                       |
| 03      | Full body harness (Safety belt)                                     | EN 361                    | Monthly and visual check every day of the bends and the harness.                   |                                                              | Karam (PN Safetech )<br><br>Joseph Leslie<br>Accent Industries                                    |
| 04      | Electrical Safety Gloves                                            | EN: 60903 CE marked       | Weekly and visual check for any crack and blow test before every work.             | Manufactured not beyond 12 months.                           | Make Sparian / Sumitech / CATU supplied with inner cotton glove with over glove of split leather. |
| 05      | Full face visor with safety helmet                                  | EN: 166 CE marked (Visor) | Monthly and visual check every day for any crack in shell.                         | Clear acrylic visor attached with safety helmet.             | Karam (PN Safetech )<br><br>Joseph Leslie<br>Accent Industries<br>Honeywell                       |
| 06      | Fire Proof jacket for chest protection                              |                           | Monthly and visual check every day.                                                |                                                              |                                                                                                   |
| 07      | Safety Chain for shorting cum earthing.                             | As per TPCODL standard    | Weekly and visual check before every work.                                         | Made of brass, Total length – 5.5 meters and made of 12 SWG. |                                                                                                   |

*Note:*

1. Any other Personal Protection Equipment required beyond above list will be according to BIS or EN Standards.

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2. All Personal Protection Equipment will be checked by the engineer in-charge or SAFETY group of TPCODL.
3. Safety Representative of the BA has to maintain the record of the availability, condition and checking of the PPEs.
4. All tools required as per the contract must be according to respective IS / EN standards.
5. TPCODL may revise or add the above list of PPE and their specifications as and when feel necessary. The information about new specifications /models will be circulated by the Engineer In-charge (EIC), which shall adhere by the business associated in the shortest possible time. The EIC shall issue a memo / instruction to BA with timeline for implementation. Any delay will be treated as non- compliance / safety violations. Refer picture of each PPE given in next page.

**Pictures of PPE for reference purpose.**

| Sl. No. | Name of PPE                                                                                                                                                                               | IS / EN Standard                                                | Picture                                                                              |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 01      | Leather Safety Shoes (Color – Black) with PU toe cap.                                                                                                                                     | IS:15298(Part-2) and with test report of electrical resistance. |   |
| 02      | HDPE Safety helmet with chin strap and ratchet type for adjustment.                                                                                                                       | IS:2925-1984                                                    |  |
| 03      | Full body harness (Safety belt)<br><br>The straps at shoulder and thigh shall have full pad for comfort. The back shall be so designed that harness straps do not tangle with each other. | EN 361:2002<br>EN 358 : 2000<br>IS: 3521:1991/2002              |  |

|            |                                                 |               |
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|    |                                                                                             |                           |                                                                                      |
|----|---------------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------|
| 04 | Electrical Safety Gloves – Composite type Soft electrical gloves as per size of individual. | EN: 60903 CE marked       |    |
| 05 | Full face visor with safety helmet                                                          | EN: 166 CE marked (Visor) |   |
| 06 | Fire Proof jacket for chest protection                                                      |                           |                                                                                      |
| 07 | Safety Chain for shorting cum earthing.                                                     | As per TPCODL standard    |  |
| 08 | Reflective jacket to each workmen                                                           | As per TPCODL standard    |  |

*Note : Picture shown are for indicative purpose only. Actual product may differ.*

|            |                                                 |               |
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### **Annexure 8 (Refer Para 5.8) LIST OF AUDITS TO BE CONDUCTED**

| Audits                                                                                                                                             | Responsibility           | Freq.       | Ref. Doc.         |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|-------------------|
| Permit to Work & Field Audit                                                                                                                       | BA Safety Representative | Weekly      | F04 (COR P - 12)  |
| Tool Bag & PPE's Audit                                                                                                                             |                          | Weekly      | F06 (COR P - 12)  |
| First Aid Box Maintenance Record                                                                                                                   |                          | Fortnightly | F08 (COR P - 12)  |
| Fire Extinguisher Record<br><i>(Applicable for the BA involved in major construction works and have storage of flammable material at worksite)</i> |                          | Monthly     | F09 (COR P - 12)  |
| Safety Talk Register                                                                                                                               |                          | Weekly      | F18 (COR P - 12)  |
| Site Safety Audit                                                                                                                                  |                          | Daily       | F29A (COR P - 12) |

Note:

1. (BA Safety Representative has to use the formats as per Safety process COR – P – 12 of TPCODL)

|            |                                                 |               |
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**Annexure 9 (Refer Para 5.9)**

**PERFORMANCE REPORT – SAFETY**

**FOR THE MONTH OF .....**

Name of BA : .....

Name of the Project and Purchase order No: .....

Date of commencement of work: .....

Man Hour Worked in this month (No. of employees X 8 Hrs + Overtime): .....

Cumulative Man Hour worked: .....

Total Number of

Minor Injury (this month): ..... Minor Injury (Total) .....

Major Injury (this month): ..... Major Injury (Total): .....

Detail of the Incident / Sub Standard Acts and Condition

| Activity                                                                    | This Month | Cumulative (Total) | Day Lost (this month)                                                  | Days Lost (Cumulative) |
|-----------------------------------------------------------------------------|------------|--------------------|------------------------------------------------------------------------|------------------------|
| No. of the Incident                                                         |            |                    |                                                                        |                        |
| No. of lost time injuries                                                   |            |                    |                                                                        |                        |
| No. of dangerous occurrences                                                |            |                    |                                                                        |                        |
| No. of near miss reported                                                   |            |                    |                                                                        |                        |
| Substandard Act/Conditions observed                                         |            |                    | Attach details of observation of this month                            |                        |
| Safety Violation Notice received (from TPCODL) (both in numbers and in Rs.) | No.        | No.                | No. of violation letter received and compliance report for the TPCODL. |                        |
|                                                                             | Rs.        | Rs.                |                                                                        |                        |

*Note: Cumulative means total from date of commencement of work according to the contract.*

Detail of the Accident / Near Miss Incidents:

| Date and Time | Type of the incident | Name of Employee | Brief Description | Corrective and Preventive actions recommended |
|---------------|----------------------|------------------|-------------------|-----------------------------------------------|
|               |                      |                  |                   |                                               |

Details of the Safety Violations:

|            |                                                 |               |
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| Date and Location | Brief Description | Name of employee involved | Action Taken |
|-------------------|-------------------|---------------------------|--------------|
|                   |                   |                           |              |

Detail of the Safety Talk / Tool Box Talk / Safety Training

| Date and Location | Topic (s) | Total Number of employees<br>(Worker / Supervisor) | Number of participants<br>(Worker / Supervisor) |
|-------------------|-----------|----------------------------------------------------|-------------------------------------------------|
|                   |           |                                                    |                                                 |

Detail of the Safety Meeting

| Date and Location | Number of participants | Topics discussed | Major Observations / Innovation |
|-------------------|------------------------|------------------|---------------------------------|
|                   |                        |                  |                                 |

Detail of the Safety Inspection /Audit: (as per TPCODL site audit checklist F29A(COR-P-12))

| Date | Area / Location | Major Observations | Recommendations | Action Taken |
|------|-----------------|--------------------|-----------------|--------------|
|      |                 |                    |                 |              |

Any other Safety, Occupational Health, Environment & Disaster Management Promotional Activity (During this month):

| Date | Location | Activity | Level of Participation | Number of participation |
|------|----------|----------|------------------------|-------------------------|
|      |          |          |                        |                         |

Signature of the BA Safety Representative  
HoG

Signature of ZM /

Name, E. No. and Date

Name, E. No. Date.

*Note: The original form to be deposited with Engineer in-charge and a copy to SAFETY group on or before 5<sup>th</sup> of every month along with bill. List of training of the current month and status of PPE to be also mentioned individual wise.*

*BA may include additional lines if required. The TPPDL may revise the format as and when deemed required.*

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**ANNEXURE-L**  
**VENDOR APPRAISAL FORM**

|                                                               |                                                                                                       |                                                                                        |   |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---|
| <b>TO BE SUBMITTED BY VENDOR (To be filled as applicable)</b> |                                                                                                       |                                                                                        |   |
| <b>VENDOR:</b>                                                |                                                                                                       |                                                                                        |   |
| <b>1.0</b>                                                    | <b>DETAILS OF THE FIRM</b>                                                                            |                                                                                        |   |
|                                                               | 1.1                                                                                                   | NAME (IN CAPITAL LETTERS)                                                              | : |
|                                                               | 1.2                                                                                                   | TYPE OF CONCERN (PROPRIETARY) Partnership, Pvt. Ltd., Public Ltd. etc.                 | : |
|                                                               | 1.3                                                                                                   | YEAR OF ESTABLISHMENT                                                                  | : |
|                                                               | 1.4                                                                                                   | LOCATION OF OFFICE<br>POSTAL ADDRESS<br>TELEGRAPHIC ADDRESSES,<br>TELEX NO.<br>FAX NO. | : |
|                                                               | 1.5                                                                                                   | LOCATION OF MANUFACTURING UNITS                                                        | : |
|                                                               |                                                                                                       | i) UNITS 1                                                                             | : |
|                                                               |                                                                                                       | ii) OTHER UNITS                                                                        | : |
| <b>2.0</b>                                                    | <b>PRODUCTS MANUFACTURED</b>                                                                          |                                                                                        | : |
| <b>3.0</b>                                                    | <b>TURNOVER DURING THE LAST 3 YEARS (TO BE VERIFIED WITH THE LATEST PROFIT &amp; LOSS STATEMENT).</b> |                                                                                        | : |
| <b>4.0</b>                                                    | <b>VALUE OF FIXED ASSETS</b>                                                                          |                                                                                        | : |
| <b>5.0</b>                                                    | <b>NAME &amp; ADDRESS OF THE BANKERS</b>                                                              |                                                                                        | : |
| <b>6.0</b>                                                    | <b>BANK GUARANTEE LIMIT</b>                                                                           |                                                                                        | : |
| <b>7.0</b>                                                    | <b>CREDIT LIMIT</b>                                                                                   |                                                                                        | : |
| <b>8.0</b>                                                    | <b>TECHNICAL</b>                                                                                      |                                                                                        |   |
|                                                               | 8.1                                                                                                   | NO. OF DESIGN ENGINEERS (INDICATE NO. OF YEARS EXPERIENCE IN RELATED FIELDS)           | : |
|                                                               | 8.2                                                                                                   | NO. OF DRAUGHTSMAN                                                                     | : |
|                                                               | 8.3                                                                                                   | COLLABORATION DETAILS (IF ANY)                                                         | : |
|                                                               |                                                                                                       | 8.3.1 DATE OF COLLABORATION                                                            | : |

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|------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|            |                    | 8.3.2 NAME OF COLLABORATOR                                                                                                                                                | : |
|            |                    | 8.3.3 RBI APPROVAL DETAILS                                                                                                                                                | : |
|            |                    | 8.3.4 EXPERIENCE LIST OF COLLABORATOR                                                                                                                                     | : |
|            |                    | 8.3.5 DURATION OF AGREEMENT                                                                                                                                               | : |
|            | 8.4                | AVAILABILITY OF STANDARDS / DESIGN PROCEDURES / COLLABORATOR'S / DOCUMENTS (CHECK WHETHER THESE ARE LATEST/CURRENT                                                        | : |
|            | 8.5                | TECHNICAL SUPPORT, BACK-UP GUARANTEE, SUPERVISION, QUALITY CONTROL BY COLLABORATOR (WHEREVER ESSENTIAL). (THIS CLAUSE IS RELEVANT WHEN VENDOR'S EXPERIENCE IS INADEQUATE) | : |
|            | 8.6                | QUALITY OF DRAWINGS                                                                                                                                                       | : |
| <b>9.0</b> | <b>MANUFACTURE</b> |                                                                                                                                                                           |   |
|            | 9.1                | SHOP SPACE, LAYOUT LIGHTING, VENTILATION, ETC.                                                                                                                            | : |
|            | 9.2                | POWER (KVA)                                                                                                                                                               | : |
|            |                    | MAINS INSTALLED                                                                                                                                                           | : |
|            |                    | UTILIZED                                                                                                                                                                  | : |
|            |                    | STANDBY POWER SOURCE                                                                                                                                                      | : |
|            | 9.3                | MANUFACTURING FACILITIES (ATTACH LIST OF EQUIPMENT AS APPLICABLE)                                                                                                         | : |
|            |                    | 9.3.1 MATERIAL HANDLING                                                                                                                                                   | : |
|            |                    | 9.3.2 MACHINING                                                                                                                                                           | : |
|            |                    | 9.3.3 FABRICATION                                                                                                                                                         | : |
|            |                    | 9.3.4 HEAT TREATMENT                                                                                                                                                      | : |
|            |                    | 9.3.5 BALANCING FACILITY                                                                                                                                                  | : |
|            |                    | 9.3.6 SURFACE TREATMENT PRIOR TO PAINTING/ COATING, POLISHING, PICKLING, PASSIVATION, PAINTING, ETC.                                                                      | : |
|            | 9.4                | SUPERVISORY STAFF                                                                                                                                                         | : |
|            | 9.5                | ADEQUACY OF SKILLED LABOURS (MACHINISTS, WELDERS, ETC.)                                                                                                                   | : |

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|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------|---|--|
|             | 9.6                                   | NO. OF SHIFTS                                                                                      | : |  |
|             | 9.7                                   | TYPE OF MATERIAL HANDLED (SUCH AS CS, SS, ETC.)                                                    | : |  |
|             | 9.8                                   | WORKMANSHIP                                                                                        | : |  |
|             | 9.9                                   | MATERIAL IN STOCK AND VALUE                                                                        | : |  |
|             | 9.10                                  | TRANSPORT FACILITIES                                                                               | : |  |
|             | 9.11                                  | CARE IN HANDLING                                                                                   | : |  |
| <b>10.0</b> | <b>INSPECTION / QC / QA / TESTING</b> |                                                                                                    |   |  |
|             | 10.1                                  | NUMBER OF PERSONNEL (INDICATE NO. OF YEARS OF EXPERIENCE)                                          | : |  |
|             | 10.2                                  | INDEPENDENCE FROM PRODUCTION                                                                       | : |  |
|             | 10.3                                  | AVAILABILITY OF PROCEDURAL WRITE UP/QUALITY PLAN                                                   | : |  |
|             | 10.4                                  | INCOMING MATERIAL CONTROL AND DOCUMENTATION                                                        | : |  |
|             | 10.5                                  | RELIABILITY/REPUTATION OF SUPPLY SOURCES                                                           | : |  |
|             | 10.6                                  | STAGE INSPECTION AND DOCUMENTATION                                                                 | : |  |
|             | 10.7                                  | SUB-ASSEMBLY & DOCUMENTATION                                                                       | : |  |
|             | 10.8                                  | FINAL INSPECTION AND DOCUMENTATION                                                                 | : |  |
|             | 10.9                                  | PREPARATION OF FINAL DOCUMENTATION PACKAGE                                                         | : |  |
|             | 10.10                                 | TYPE TEST FACILITIES                                                                               | : |  |
|             | 10.11                                 | ACCEPTANCE TEST FACILITIES                                                                         | : |  |
|             | 10.12                                 | CALIBRATION OF INSTRUMENTS AND GAUGES (WITH TRACEABILITY TO NATIONAL STANDARDS) (ATTACH LIST)      | : |  |
|             | 10.13                                 | STATUTORY APPROVALS LIKE BIS, IBR, ETC.(AS APPLICABLE)                                             | : |  |
|             | 10.14                                 | SUB-VENDOR APPROVAL SYSTEM AND QUALITY CONTROL                                                     | : |  |
|             | 10.15                                 | DETAILS OF TESTS CARRIED OUT AT INDEPENDENT RECOGNIZED LABORATORIES                                | : |  |
|             |                                       | i) FURNISH LIST OF TESTS CARRIED OUT AND THE NAME OF THE LABORATORY WHERE THE TESTS WERE CONDUCTED | : |  |

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|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|        | ii) CHECK AVAILABILITY OF CERTIFICATES AND REVIEW THESE WHEREVER POSSIBLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | : |
| 11.0   | EXPERIENCE (INCLUDING CONSTRUCTION / ERECTION / COMMISSIONING) TO BE FURNISHED IN THE FORMAT INDICATED IN APPENDIX)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | : |
| 12.0   | SALES, SERVICE AND SITE ORGANIZATIONAL DETAILS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | : |
| 13.0   | CERTIFICATE FROM CUSTOMERS (ATTACH COPIES OF DOCUMENTS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | : |
| 14.0   | POWER SITUATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | : |
| 15.0   | LABOUR SITUATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | : |
| 16.0 * | APPLICABILITY OF SC/ST RELAXATION (Y/N)<br>IF YES, SUPPORTING DOCUMENTS TO BE ATTACHED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |   |
| 17.0   | ORGANIZATIONAL DETAILS<br>1. PF NO<br>2. ESI NO<br>3. INSURANCE FOR WORK MAN COMPENSATION ACT NO<br>4. ELECTRICAL CONTRACT LIC NO<br>5. ITCC / PAN NO<br>6. SALES TAX NO<br>7. WC TAX REG. NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | : |
| 18.0   | DOCUMENTS TO BE ENCLOSED:<br>1. FACTORY LICENCE<br>2. ANNUAL REPORT FOR LAST THREE YEARS<br>3. TYPE TEST REPORT FOR THE ITEM<br>4. PAST EXPERIENCE REPORTS<br>5. ISO CERTIFICATE –QMS, EMS, OHAS, SA<br>6. REGISTRATION OF SALES TAX<br>7. COPY OF TIN NO.<br>8. COPY OF SERVICE TAX NO.<br>9. REGISTRATION OF CENTRAL EXCISE<br>10. COPY OF INCOME TAX CLEARANCE.<br>11. COPY OF PF REGISTRATION<br>12. COPY OF ESI REGISTRATION<br>13. COPY OF INSURANCE FOR WORK MAN COMPENSATION ACT NO<br>14. COPY OF ELECTRICAL CONTRACT LIC NO<br>15. COPY OF PAN NO<br>16. COPY OF WC TAX REGISTRATION<br>17. DOCUMENTS IN SUPPORT OF SC/ST RELAXATION AT S.NO.16.0<br>18. GSTN CERTIFICATE |   |

\* Classification of BA s under SC/ST shall be governed under following guidelines:

- **Proprietorship/ Single Ownership Firm:** Proprietor of the firm should be from SC/ST community. Governing document shall be Proprietorship Deed.

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- **Partnership Firm:** Only such firms shall qualify which have SC/ST partners holding equal to or more than 50% of the total ownership pattern of the firm. Governing document shall be Partnership Deed.
- **Private Limited Company:** Only such firms shall qualify which have SC/ST directors holding equal to or more than 50% of the total ownership pattern of the firm. Governing document shall be Memorandum of Understanding (MoU) and/or Article of Association (AoA).

**NOTE:** Certification from SC/ST Commission shall be required for deciding upon SC/ST status of a person.

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