



## **Corrigendum No. – I**

**Dated:**

**01.07.2026**

**Tender No.-** TPWODL/AK/O/SER/ 2500001210

**Tender Subject-** Rate Contract for performance based 11 kV & LT Network Maintenance & Allied Work, 33 kV Network Maintenance and Operational Assistance of 33/11 kV Sub-Stations of TPWODL for 3 years.

**Clause 1.3:** Revised Calendar of Events shall be as follows:

| <b>S No.</b> | <b>Events</b>                                                                    | <b>Date and Time</b>                     | <b>Revised Date and Time</b>             |
|--------------|----------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|
| (a)          | Date of sale/ availability of tender documents from TPWODL Website               | 08.06.2026                               | No Change                                |
| (b)          | Last date and time of Payment of Tender Fee                                      | 17.06.2026                               | No Change                                |
| (c)          | Last Date of receipt of pre-bid queries, if any                                  | 19.06.2026<br>16:00 Hours                | No Change                                |
| (d)          | Last Date of Posting Consolidated replies to all the pre-bid queries as received | 23.06.2026                               | 02.07.2026                               |
| (e)          | Due date and time of receipt of Bids                                             | 30.06.2026                               | 08.07.2026                               |
| (f)          | Date & Time of opening technical bids                                            | To be notified                           | To be notified                           |
| (g)          | Date & Time of opening of Price of qualified bids                                | To be notified to the successful bidders | To be notified to the successful bidders |

**Note:**

1. Bid Due date has been extended till 8th July'2026.
2. Revised 11 KV SLA and 33 KV & PSS SLA and Vehicle SLA attached herewith, to be followed strictly.
3. Revised 11 KV and 33 KV & PSS Tools & Tackles attached herewith, to be followed strictly.
4. Revised Price Bid Format attached separately, to be followed for Price Bid Submission.
5. All other terms and conditions of the above tender shall remain unaltered.

**By Order**

**Chief- (Technical Services, Contracts & Stores)**

| FINAL 11KV SLA_AMC                                                             |        |                                                                                   |                                                                                                                                                                                                |     |               |             |              |             |
|--------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------|-------------|--------------|-------------|
| Indicator                                                                      | Sr. No | Parameters of Measurement                                                         | Details                                                                                                                                                                                        | UoM | Scoring Marks | Total Marks | Marks Scored | Bonus Marks |
| A                                                                              | B      | C                                                                                 | D                                                                                                                                                                                              | E   | F             | G           | H            | I           |
| Statutory Compliances                                                          | 1      | Compliance w.r.t. to PF, ESI and any other related Statutory norms BA legal       | a. Payment of salary to BA employees within the 7 <sup>th</sup> day of each calendar month                                                                                                     | Nos | 6             | 12          |              |             |
|                                                                                | 2      |                                                                                   | b. On time compliance with the Statutory requirements of EPF, ESI.                                                                                                                             |     | 6             |             |              |             |
| Supply Restoration Time                                                        | 3      | Line Breakdown<br>Urban Area (4 hrs)<br>Rural Area (8 hrs)                        | Compliance (> 95 %)                                                                                                                                                                            | Nos | 5             | 5           |              |             |
|                                                                                | 4      |                                                                                   | Compliance (<= 95%)                                                                                                                                                                            | Nos | 0             |             |              |             |
|                                                                                | 5      | Major Breakdown*<br>Urban Area (12 hrs)<br>Rural Area (24 hrs)                    | Compliance (> 95 %)                                                                                                                                                                            | Nos | 5             | 5           |              |             |
|                                                                                | 6      |                                                                                   | Compliance (<= 95%)                                                                                                                                                                            | Nos | 0             |             |              |             |
|                                                                                | 7      | DT Failure<br>Urban Area (12 hrs)<br>Rural Area (24 hrs)                          | Compliance (> 95 %)                                                                                                                                                                            | Nos | 5             | 5           |              |             |
|                                                                                | 8      |                                                                                   | Compliance (<= 95%)                                                                                                                                                                            | Nos | 0             |             |              |             |
|                                                                                | 9      | Fuse Call/ No Power Supply Complaint<br>Urban Area (3 hrs)<br>Rural Area (12 hrs) | Compliance (> 95 %)                                                                                                                                                                            | Nos | 5             | 5           |              |             |
|                                                                                | 10     |                                                                                   | Compliance [90%-95 %]                                                                                                                                                                          | Nos | 3             |             |              |             |
|                                                                                | 11     |                                                                                   | Compliance (< 90%)                                                                                                                                                                             | Nos | 0             |             |              |             |
| No. of Interruptions (ESD+BD)                                                  | 12     | Overall Interruption Decrease > 15 % w.r.t. same month of LFY                     | Cumulative of all 11kv Feeders in a Division (BD+ESD). Data Comparison through Suraksha Kavach Data<br>For > 50% reduction in interruptions, BA shall score (17 marks i.e. 12+ 5 marks- Bonus) | Nos | 12            | 12          |              |             |
|                                                                                | 13     |                                                                                   |                                                                                                                                                                                                |     |               |             |              |             |
|                                                                                | 14     | Overall Interruption Decrease > 10 % w.r.t. same month of LFY                     |                                                                                                                                                                                                | Nos | 6             |             |              |             |
|                                                                                | 15     | Overall, Interruptions same as the same month of LFY                              |                                                                                                                                                                                                | Nos | 4             |             |              |             |
|                                                                                | 16     | Overall, Interruption increases w.r.t. the same month of LFY                      |                                                                                                                                                                                                | Nos | 0             |             |              |             |
|                                                                                | 17     | Overall Interruption Decrease > 50 % w.r.t. same month of LFY                     |                                                                                                                                                                                                | Nos |               |             |              | 5           |
| Distribution Transformer failure Rate (% Failure w.r.t installed MVA Capacity) | 18     | Reduction by >30% wrt same month of LFY.                                          | For > 30% reduction in DTR failure + ZERO DTR failure in any month, BA shall score (15 marks, i.e., 10+ 5 marks as Bonus)                                                                      | Nos | 10            | 10          |              |             |
|                                                                                | 19     | Reduction Up-to 30% - wrt same month of LFY                                       |                                                                                                                                                                                                | Nos | 8             |             |              |             |
|                                                                                | 20     | DT Failure is same w.r.t same month of LFY                                        | For up-to 30% reduction in DTR failure + ZERO DTR failure in any month, BA shall score (13 marks, i.e., 8 + 5 marks as Bonus)                                                                  | Nos | 5             |             |              |             |
|                                                                                | 21     | DTR Failure Rate Increase wrt same month of LFY                                   |                                                                                                                                                                                                | Nos | 0             |             |              |             |
|                                                                                | 22     | ZERO DTR Failure in a month                                                       |                                                                                                                                                                                                | Nos |               |             |              | 5           |
| Non-availability of T&P, Testing Instrument & PPEs                             | 23     | No Violation Found                                                                | Availability of mentioned Quantity and make of the T&P, Testing instruments, PPE as per the T&C of the contract.                                                                               | Nos | 12            | 12          |              |             |
|                                                                                | 24     | Up to 2 instances violations during the month                                     |                                                                                                                                                                                                | Nos | 6             |             |              |             |
|                                                                                | 25     | More than 2 instances violations during the month                                 | Written communication of violations to be initiated by EIC/DOS/Safety to BA.                                                                                                                   | Nos | 0             |             |              |             |
|                                                                                | 26     | Asset Upkeep- Tree branches/Creepers close to HT/LT                               | Full adherence to the written Communications of EIC/DOS towards Asset Upkeep                                                                                                                   | Nos | 6             |             |              |             |

|                                                                                                            |    |                                                                                                                                                  |                                                                                                 |     |    |     |   |    |
|------------------------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----|----|-----|---|----|
| Asset Upkeep                                                                                               | 27 | feeder and equipment, Open Door of switchgears / locking of DSS/Pole cleaning, DSS Cleaning, etc. ) within stipuated timeline defined as per EIC | Non-adherence to the written Communication / Month (reporting up to 3 cases)                    | Nos | 3  | 6   |   |    |
|                                                                                                            | 28 |                                                                                                                                                  | Non-adherence to the written Communication / Month > 3 Cases                                    | Nos | 0  |     |   |    |
| AT&C Loss Reduction Initiatives                                                                            | 29 | De-hooking Activities<br>(De-hooking Monthly target will be decided as per EIC)                                                                  | Compliance Greater Than 90%                                                                     | Nos | 12 | 12  |   |    |
|                                                                                                            | 30 |                                                                                                                                                  | Compliance Between 80%- 90%                                                                     | Nos | 6  |     |   |    |
|                                                                                                            | 31 |                                                                                                                                                  | Compliance Between 70%- 80%                                                                     | Nos | 3  |     |   |    |
|                                                                                                            | 32 |                                                                                                                                                  | Compliance Less Than 70%                                                                        | Nos | 0  |     |   |    |
| FCC App Operations                                                                                         | 33 | Closure of Fuse Call Complaints in the FCC App within the Stipulated Time Frame as per mentioned in the Indicator (Supply Restoration Time)      | Compliance Greater Than 95%                                                                     | Nos | 10 | 10  |   |    |
|                                                                                                            | 34 |                                                                                                                                                  | Compliance Between 90%- 95%                                                                     | Nos | 5  |     |   |    |
|                                                                                                            | 35 |                                                                                                                                                  | Compliance Less Than 90%                                                                        | Nos | 0  |     |   |    |
| MIS / Reports                                                                                              | 36 | On-time submission of MIS / Reports                                                                                                              | On-time submission of MIS/ Reports within 7 <sup>th</sup> of every month for the previous month | Nos | 6  | 6   |   |    |
| Total                                                                                                      |    |                                                                                                                                                  |                                                                                                 |     |    | 100 | 0 | 10 |
| * Major breakdowns due to heavy rain, lightning, whirlwind requiring replacement of conductor, structures. |    |                                                                                                                                                  |                                                                                                 |     |    |     |   |    |

## VEHICLE\_ SLA

| Indicator           | Sr. No | Parameters of Measurement    | Details                                                                                                                              | UoM | Scoring Marks | Total Marks | Bonus Marks | Marks Scored |
|---------------------|--------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----|---------------|-------------|-------------|--------------|
| A                   | B      | C                            | D                                                                                                                                    | E   | F             | G           | H           | I = G+H      |
| Vehicle Compliances | 1      | Non-Compliance w.r.t vehicle | Statutory Compliance as per the Motor Vehicle Act/Rules for any vehicle                                                              |     |               | 25          | 0           | 25           |
|                     | 1.a    |                              | Vehicle insurance                                                                                                                    | Nos | 5             |             |             |              |
|                     | 1.b    |                              | Fitness certificate                                                                                                                  | Nos | 5             |             |             |              |
|                     | 1.c    |                              | Pollution certificate                                                                                                                | Nos | 5             |             |             |              |
|                     | 1.d    |                              | Valid Driver License                                                                                                                 | Nos | 5             |             |             |              |
|                     | 1.e    |                              | Valid Registration Certificate (not more than 10 years)                                                                              | Nos | 5             |             |             |              |
|                     | 2      |                              | Each Instance of any vehicle not reporting on duty                                                                                   |     |               | 20          | 0           | 20           |
|                     | 2.a    |                              | 0 Hrs. (On-time Reporting)                                                                                                           | Nos | 20            |             |             |              |
|                     | 2.b    |                              | 0-2 Hrs.                                                                                                                             | Nos | 10            |             |             |              |
|                     | 2.c    |                              | > 2 Hrs.                                                                                                                             | Nos | 0             |             |             |              |
|                     | 3      |                              | Commercial Trade Plate for every Vehicle                                                                                             |     |               | 15          | 0           | 15           |
|                     | 3.a    |                              | Available                                                                                                                            | Nos | 15            |             |             |              |
|                     | 3.b    |                              | Un-available for any vehicle                                                                                                         | Nos | 0             |             |             |              |
|                     | 4      |                              | Defensive Driving Training for each driver*                                                                                          |     |               | 10          | 0           | 10           |
|                     | 4.a    |                              | Available                                                                                                                            | Nos | 10            |             |             |              |
|                     | 4.b    |                              | Un-available                                                                                                                         | Nos | 0             |             |             |              |
|                     | 5      |                              | Submission of the Monthly Vehicle Inspection Score, certified by the Safety Officer, TP Odisha Discoms                               |     |               | 10          | 0           | 10           |
|                     | 5.a    |                              | Submitted                                                                                                                            | Nos | 10            |             |             |              |
|                     | 5.b    |                              | Non-Submission                                                                                                                       | Nos | 0             |             |             |              |
|                     | 6      |                              | Safety Incident involving personal injury during vehicle driving at work, Monthly                                                    |     |               | 10          | 0           | 10           |
|                     | 6.a    |                              | Not Happened                                                                                                                         | Nos | 10            |             |             |              |
|                     | 6.b    |                              | Happened                                                                                                                             | Nos | 0             |             |             |              |
|                     | 7      |                              | Ensure the GPS Device availability in the Working Condition at the vehicle (Details are as per tender SCC)                           |     |               | 10          | 0           | 10           |
|                     | 7.a    |                              | 100% availability                                                                                                                    | Nos | 10            |             |             |              |
|                     | 7.b    |                              | Below 100%                                                                                                                           | Nos | 0             |             |             |              |
|                     | 8      |                              | Deployment of the EV or CNG or BS-VI Complied Vehicle (100% - 5 Marks Bonus & Below 100% - Bonus markes will be on a pro-rata basis) |     | Nos           | 5           | 0           | 5            |
|                     |        |                              | Grand Total                                                                                                                          |     |               | 100         | 5           | 105          |

\* Defensive Driving Training has to be certified from Govt. Recognised institute/Hubert Ebner/Ace Driving Institute/RTO Approved Driving School/Discom internal training

| 33KV SLA |                                                                                                                                                                                                                                                            |                                                                                                                                                    |                                                                                                                                                                                                                                                                       |                 |               |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------|
| S. No.   | Performance Head                                                                                                                                                                                                                                           | Parameter                                                                                                                                          | Sub-Measure                                                                                                                                                                                                                                                           | Marks Deduction | Maximum Marks |
| 1        | Safety Aspects                                                                                                                                                                                                                                             | Any Safety violation will be governed as per Contractor Safety Management (CSM) of TP Odisha Discoms Refer Annexure ---for CSM                     |                                                                                                                                                                                                                                                                       |                 |               |
| 2        | Cleaning & Vegetation Management in PSS (20Marks)                                                                                                                                                                                                          |                                                                                                                                                    | Failure to keep the PSS control room / premises clean (up to 2 PSS / month)                                                                                                                                                                                           | 5               | 20            |
|          |                                                                                                                                                                                                                                                            |                                                                                                                                                    | Failure to keep the PSS control room / premises clean (up to 5 PSS / month)                                                                                                                                                                                           | 10              |               |
|          |                                                                                                                                                                                                                                                            |                                                                                                                                                    | Failure to keep the PSS control room / premises clean (>5 PSS / month)                                                                                                                                                                                                | 20              |               |
| 3        | Statutory compliance (15 Marks)                                                                                                                                                                                                                            | Non-Compliance w.r.t. to I-Card, PF, ESI related Statutory norms                                                                                   | Monthly                                                                                                                                                                                                                                                               | 15              | 15            |
| 4        | Non-availability of recommended quantity & Make T&P (as mentioned in the tender document) during maintenance leading to delay in execution of job: (Total Weightage: 10 Marks)                                                                             | Violation Frequency                                                                                                                                | 2 instances of T&Ps Violation during the month                                                                                                                                                                                                                        | 5               | 10            |
|          |                                                                                                                                                                                                                                                            |                                                                                                                                                    | >2 instances of T&Ps Violation during the month                                                                                                                                                                                                                       | 10              |               |
| 5        | Feeder Tripping: (Total Weightage: 20 Marks): EIC at his discretion will deduct marks for each instance as mentioned.                                                                                                                                      | Violation Frequency                                                                                                                                | Conductor snapping – Each instance / month                                                                                                                                                                                                                            | 5               | 20            |
|          |                                                                                                                                                                                                                                                            |                                                                                                                                                    | Overall Tripping decreases more than 10% wrt same month of LFY                                                                                                                                                                                                        | 0               |               |
|          |                                                                                                                                                                                                                                                            |                                                                                                                                                    | Overall Tripping decreases up to 10% wrt same month of LFY                                                                                                                                                                                                            | 5               |               |
|          |                                                                                                                                                                                                                                                            |                                                                                                                                                    | Overall Tripping increase up to 10% wrt same month of LFY                                                                                                                                                                                                             | 10              |               |
|          |                                                                                                                                                                                                                                                            |                                                                                                                                                    | Overall Tripping increase > 10% wrt same month of LFY                                                                                                                                                                                                                 | 15              |               |
| 6        | Restoration time: (Total Weightage: 15 Marks):                                                                                                                                                                                                             | Failure in Restoration of Interruption / breakdown of<br>a.Urban, Industrial & Town Feeder & PSS within 4 hrs<br>b.Rural feeder & PSS within 8 hrs | Compliance (> 95 %)                                                                                                                                                                                                                                                   | 0               | 10            |
|          |                                                                                                                                                                                                                                                            |                                                                                                                                                    | Compliance (90% to 95%)                                                                                                                                                                                                                                               | 5               |               |
|          |                                                                                                                                                                                                                                                            |                                                                                                                                                    | Compliance (< 90 %)                                                                                                                                                                                                                                                   | 10              |               |
| 7        | Quality of Inspection (Total Weightage: 15 Marks):<br>EIC and OS coordinator will deduct marks based on "Feeder Inspection Report" (Compliance to monthly feeder inspection plan as per DISCOM checklist; e.g. thermovision Scanning, feeder Survey, etc.) | Violation Frequency                                                                                                                                | Creeper reached up to 1 meter below conductor and tree branch within 3M of conductor or Non-compliance to monthly feeder inspection plan as per DISCOM checklist; e.g. thermovision Scanning, feeder Survey, etc.) each instance (5 marks – maximum 15 marks / month) | 15              | 15            |
| 8        | Submission of MIS (Total Weightage: 10 Marks)                                                                                                                                                                                                              |                                                                                                                                                    | Deduction of 5 marks for non-submission of monthly MIS and Performance Report by 7th date of ensuing month.                                                                                                                                                           | 10              | 10            |
|          |                                                                                                                                                                                                                                                            |                                                                                                                                                    |                                                                                                                                                                                                                                                                       |                 |               |
|          |                                                                                                                                                                                                                                                            |                                                                                                                                                    |                                                                                                                                                                                                                                                                       |                 | 100           |

| 33KV_PSS_SLA |                                                                              |                                                                                                                                                                                                               |                                                                                                                                                                                                                                      |                 |               |       |
|--------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------|-------|
| S. No.       | Performance Head                                                             | Parameter                                                                                                                                                                                                     | Sub-Measure                                                                                                                                                                                                                          | Marks Deduction | Maximum Marks | Bonus |
| 1            | Upkeep of DISCOM supplied safety equipment (Weightage: 15 Marks)             | Reporting availability of ladder, discharge rods, neon tester, Reporting of all other Performance Parameters as per checklist (supplied by DISCOM & reporting of damaged / missing discharge rods immediately | Non-Reporting (availability of ladder, discharge rods, neon tester, Reporting of all other Performance Parameters as per checklist (supplied by DISCOM & reporting of damaged / missing discharge rods immediately) for any Instance | 15              | 15            |       |
| 2            | Supply of T&Ps (Weightage 10 marks)                                          | Non-availability of recommended quantity & Make T&P (as mentioned in the tender document) during maintenance leading to delay in execution of job: (Total Weightage: 10 Marks)                                | 2 instances of T&Ps Violation during the month                                                                                                                                                                                       | 5               | 10            |       |
|              |                                                                              |                                                                                                                                                                                                               | >2 instances of T&Ps Violation during the month                                                                                                                                                                                      | 10              |               |       |
| 3            | Correct Operation of PSS Equipment per Cluster (Weightage 15)                | Correct Operation of PSS Equipment per Cluster                                                                                                                                                                | 1 incorrect operation during the month                                                                                                                                                                                               | 10              | 15            |       |
|              |                                                                              |                                                                                                                                                                                                               | >1 incorrect operation during the month                                                                                                                                                                                              | 15              |               |       |
| 4            | Adherence to Operating Process (15 marks):                                   |                                                                                                                                                                                                               | Allowing maintenance work without presence of "Permit to work" holder or issue "Permit to work" without proper isolation / grounding for any instance during the month                                                               | 15              | 15            |       |
| 5            | Statutory Compliances: (Weightage: 15 Marks):                                |                                                                                                                                                                                                               | Non-Compliance w.r.t. to PF, ESI related Statutory norms Monthly                                                                                                                                                                     | 15              | 15            |       |
| 6            | MOC Non-Compliance: (Weightage: 10 Marks):                                   |                                                                                                                                                                                                               | Up to 2 no. of instance of delayed reporting of MOC at concerned PSS upon the instruction of PSCC/SDO.                                                                                                                               | 5               | 10            |       |
|              |                                                                              |                                                                                                                                                                                                               | More than 2 no. of instance of delayed reporting of MOC at concerned PSS upon the instruction of PSCC/SDO.                                                                                                                           | 10              |               |       |
| 7            | Maintaining records & condition monitoring: (Weightage: 10 Marks):           |                                                                                                                                                                                                               | 2 nos. or more of instance of non-adherence to Daily condition monitoring of equipment and PDI in system                                                                                                                             | 5               | 10            |       |
|              |                                                                              |                                                                                                                                                                                                               | 2 no or more of instances of not Maintaining Registers and log sheet as per IMS Process                                                                                                                                              | 5               |               |       |
| 8            | Discipline (Weightage: 10 marks)                                             |                                                                                                                                                                                                               | Any instance of PSSO (PSS Staff) / MOC found intoxicated                                                                                                                                                                             | 5               | 10            |       |
|              |                                                                              |                                                                                                                                                                                                               | Any Instances of PSSO (PSS Staff) / MOC spitting inside PSS premises.                                                                                                                                                                | 5               |               |       |
| 9            | Adherence to 5S Implementation & Sustainence for PSS (Bonus Marks: 5 Marks): |                                                                                                                                                                                                               | BA shall get 5 bonus marks if 5S is implemented / sustained at >75% of PSS during the month. And Submisison of 5S checklist for the month.                                                                                           | 0               |               | 5     |
|              |                                                                              |                                                                                                                                                                                                               |                                                                                                                                                                                                                                      |                 | 100           | 5     |

| 33KV & PSS TOOLS & TACKLES_AMC |                  |                                                                                                                                                                                                                          |                                                                     |                                                 |                                    |                                                            |
|--------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------|------------------------------------|------------------------------------------------------------|
| SI No                          | Category         | Tool Description                                                                                                                                                                                                         | Preffered Make                                                      | Recommendation as per Discussion of 4 DISCOMs   |                                    | Remarks                                                    |
|                                |                  |                                                                                                                                                                                                                          |                                                                     | For Line Maintenance & common breakdown Vehicle | For PSS Maintenance Vehicle        |                                                            |
|                                |                  |                                                                                                                                                                                                                          |                                                                     | Qty (Per- Vehicle)                              | Qty (Per- Vehicle)                 |                                                            |
| 1                              | T&Ps             | Hacksaw Frame with blades                                                                                                                                                                                                |                                                                     | 1                                               | 1                                  |                                                            |
| 2                              | T&Ps             | Hammer upto 5 Kg with Wooden Handle                                                                                                                                                                                      |                                                                     | 1                                               | 1                                  |                                                            |
| 3                              | T&Ps             | D-Spanner set - 6 -32 mm (Taparia or equivalent)                                                                                                                                                                         |                                                                     | 1                                               | 1                                  |                                                            |
| 4                              | T&Ps             | Ring spanner set - 6 -32 mm (Taparia or equivalent)                                                                                                                                                                      |                                                                     | 1                                               | 1                                  |                                                            |
| 5                              | T&Ps             | Box spanner set - 6-32 (Taparia or equivalent)                                                                                                                                                                           |                                                                     | 1                                               | 1                                  |                                                            |
| 6                              | T&Ps             | Flat File 12" & 8 "                                                                                                                                                                                                      |                                                                     | 1                                               | 1                                  |                                                            |
| 7                              | T&Ps             | Round File 3/6 x 12"                                                                                                                                                                                                     |                                                                     | 1                                               | 1                                  | Tringular small file to be checked                         |
| 8                              | PPEs             | Electrical certified safety shoes with double dencity PU sole with composite toe cap. (EN +ISI Mark on shoes). IS 15298 Part 2.                                                                                          | Acme/Bata/Tata International/HighLife, Liberty, Karam, Allen cooper | For all employees                               | For all employees                  |                                                            |
| 9                              | PPEs             | HDPE Safety helmet with chin strap and ratchet type for adjustment. (E class- Electrical grade Safety Helmet). IS2925, EN397.                                                                                            | Udyogi, Joseph & Lesli,PERF.MSA, APS                                | For all employees                               | For all employees                  |                                                            |
| 10                             | PPEs             | Full body harness non padded (Safety belt with Double Lanyard with Shock-Absorber & Pole Grab Arrestor) and adjustable Work positioning belt. IS3531-2021, EN358, EN361,Class-P . Udyogi, Karam, Abrigo, MSA             | Udyogi, Karam, Abrigo, MSA                                          | 1 for line man except PSS operator              | 1 for line man except PSS operator |                                                            |
| 11                             | PPEs             | 33kV Electrical Safety Gloves – Composite type Soft electrical gloves as per size of individual. (EN +ISI Mark on gloves)Class-04 with swet absorbing cotton gloves. IS13774-2021, Make-Jayco, Raychem, Abrigo,MN rubber | 3M, Honeywell,Jayco, Raychem, Abrigo,MN rubber                      | 3                                               | 2                                  |                                                            |
| 12                             | T&Ps             | Screw driver Set - Stanley/Taparia Make or equivalent                                                                                                                                                                    |                                                                     | 1                                               | 2                                  |                                                            |
| 13                             | T&Ps             | Insulated plier - Stanley/Taparia Make or equivalent                                                                                                                                                                     |                                                                     | 1                                               | 2                                  |                                                            |
| 14                             | T&Ps             | Cold Chisel or equivalent                                                                                                                                                                                                |                                                                     | 1                                               | 1                                  |                                                            |
| 15                             | T&Ps             | Double Test Lamp with Guard. Standard bulb casing with probe.                                                                                                                                                            |                                                                     | 0                                               | 1                                  |                                                            |
| 16                             | Safety Equipment | Discharge rod up to 9metre long with minumum 16 SQMM cable with length of 15 Mtr Insulated copper wire.(with Earth spike Rod-9 Nos for Line Team)                                                                        | Taurus Powertronics Pvt. Ltd, BEMICO, APS                           | 9                                               | 9                                  |                                                            |
| 17                             | T&Ps             | Tommy bar (1 meter length)                                                                                                                                                                                               |                                                                     | 2                                               | 1                                  |                                                            |
| 18                             | T&Ps             | Long Nose plier (125mm) - Stanley/Taparia Make or equivalent                                                                                                                                                             |                                                                     | 1                                               | 1                                  |                                                            |
| 19                             | T&Ps             | Adjustable Wrench - Stanley/Taparia Make or equivalent                                                                                                                                                                   |                                                                     | 1                                               | 1                                  |                                                            |
| 20                             | T&Ps             | Lock (clips) plier 6" - Stanley/Taparia Make or equivalent                                                                                                                                                               |                                                                     | 1                                               | 1                                  |                                                            |
| 21                             | T&Ps             | Measuring tape (30 meter)                                                                                                                                                                                                |                                                                     | 1                                               | 1                                  |                                                            |
| 22                             | T&Ps             | Allen key set (4 to 12 mm) - Stanley/Taparia Make or equivalent                                                                                                                                                          |                                                                     | 1                                               | 1                                  |                                                            |
| 23                             | T&Ps             | Hot blower - Bosch - Working temperature: 60 – 550°C °C ; Airflow: 350 – 550 l/min, 1800w input power.                                                                                                                   |                                                                     | 0                                               | 1                                  |                                                            |
| 24                             | T&Ps             | Binocular - Maximum Magnification : 8 times, Optical Zoom : 10X, Lens Type : Objective, Special Feature : Anti Reflective - Nikon 8246.                                                                                  |                                                                     | 1                                               | 0                                  | TPCODL doesn't require it as it has been procured in capex |
| 25                             | T&Ps             | Pressure torque wrench- 50 NM (manual)-Taparia or equivalent                                                                                                                                                             |                                                                     | 0                                               | 1                                  |                                                            |
| 26                             | T&Ps             | Vacuum Cleaner (Eureka, Philips or equivalent )                                                                                                                                                                          |                                                                     | 0                                               | 1                                  |                                                            |
| 27                             | T&Ps             | Bolt Cutter (for conductors upto 232 sq. mm.)                                                                                                                                                                            |                                                                     | 1                                               | 1                                  |                                                            |
| 28                             | T&Ps             | Re-Chargeable Torch (High Beam) with the 300 Lumen Level (Philips, Everyready, Bajaj, Surya, Jarsh)                                                                                                                      |                                                                     | 2                                               | 1                                  |                                                            |

|    |                  |                                                                                                                                                                                                                                                        |                                    |                                                                |                                                              |                                                            |
|----|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------|
| 29 | T&Ps             | Neon Tester for 11-33 KV - with FRP Rod up to 9m long. Make -Taurus, HVTI, Motwani                                                                                                                                                                     |                                    | 1                                                              | 1                                                            |                                                            |
| 30 | T&Ps             | Manual Telescopic Tree pruner - <b>Stihl Make or Equivalent</b> - reach 25 ft.                                                                                                                                                                         |                                    | 2                                                              | 0                                                            |                                                            |
| 31 | T&Ps             | Telescopic Chainsaw tree pruner(Petrol Powered/ battery powerd) - <b>Stihl Make or Equivalent</b>                                                                                                                                                      |                                    | 1                                                              | 0                                                            |                                                            |
| 32 | T&Ps             | Manual cutter katuri with insulated handle.                                                                                                                                                                                                            |                                    | 2                                                              | 0                                                            |                                                            |
| 33 | T&Ps             | Manual Crimping Tool - for small lugs                                                                                                                                                                                                                  |                                    | 0                                                              | 1                                                            |                                                            |
| 34 | T&Ps             | Air Blower                                                                                                                                                                                                                                             |                                    | 0                                                              | 1                                                            |                                                            |
| 36 | T&Ps             | Monkey Plier (Taparia or equivalent)                                                                                                                                                                                                                   |                                    | 1                                                              | 1                                                            |                                                            |
| 37 | T&Ps             | Wire Stripper (Taparia or equivalent)                                                                                                                                                                                                                  |                                    | 0                                                              | 1                                                            |                                                            |
| 38 | T&Ps             | RCCB/ELCB Mounted Extension Board (Capacity - 63 A, Industrial Plug Type) with 30 mA mandatory.<br>MCCB & 25 mts of extension flexible wire                                                                                                            |                                    | 1                                                              | 2                                                            |                                                            |
| 39 | T&Ps             | Road safety Traffic Cone with reflective sticker. (760mm height)                                                                                                                                                                                       |                                    | 6                                                              | 4                                                            |                                                            |
| 40 | T&Ps             | Insulated Screwdriver Set - Stanley/Taparia Make or equivalent (Diff. sizes)                                                                                                                                                                           |                                    | 1                                                              | 1                                                            |                                                            |
| 41 | T&Ps             | Oil Gun / Can                                                                                                                                                                                                                                          |                                    | 0                                                              | 1                                                            |                                                            |
| 42 | T&Ps             | Pipe Wrench (TAPARIA or equivalent)                                                                                                                                                                                                                    |                                    | 1                                                              | 1                                                            |                                                            |
| 43 | T&Ps             | Liquid Level Indicator (0.5 mtr.)                                                                                                                                                                                                                      |                                    | 0                                                              | 1                                                            |                                                            |
| 44 | Safety Equipment | FRP ladder with Temporary set up (14MTR) - 3 Fold                                                                                                                                                                                                      | Young man, Ladder man, Aktion, APS | 1                                                              | 1                                                            |                                                            |
| 45 | Safety Equipment | Baricading Tape 40m                                                                                                                                                                                                                                    |                                    | BA to ensure availability of baricading Tape in all vehicles   | BA to ensure availability of baricading Tape in all vehicles |                                                            |
| 46 | T&Ps             | First Aid Kit (Along with Medicine) FA box as per factories/BOCW act for 25 person. Make Thadani or equivalent.                                                                                                                                        |                                    | 1                                                              | 1                                                            |                                                            |
| 48 | T&Ps             | Angle Grinder Machine (Bosch GWS 26-180 H Professional<br>Angle Grinder 180 mm, 2600 W)                                                                                                                                                                |                                    | 1 Per Divison                                                  | 1 Per Divison                                                |                                                            |
| 49 | T&Ps             | Drill machine battery powered with Bit for both Metal and brick wall (BOSCH)                                                                                                                                                                           |                                    | 1 Per Divison                                                  | 1 Per Divison                                                | Magnetic base with battery operated                        |
| 50 | T&Ps             | Come Along Clamp for Dog, Coyote & Panther Conductor                                                                                                                                                                                                   |                                    | 1 Per Divison                                                  | 0                                                            |                                                            |
| 51 | T&Ps             | Rodometer (Stanley 1-77-174 12" 1000M measuring wheel)                                                                                                                                                                                                 |                                    | 1 Per Divison                                                  | 0                                                            |                                                            |
| 52 | T&Ps             | Poly propylene rope 24 MM                                                                                                                                                                                                                              |                                    | 50 Mtr per Divison                                             | 0                                                            |                                                            |
| 53 | T&Ps             | Poly propylene rope 16 MM                                                                                                                                                                                                                              |                                    | 20 Mtr Per Divison                                             |                                                              |                                                            |
| 54 | T&Ps             | Trifor 5 Ton                                                                                                                                                                                                                                           |                                    | 1 Per Divison                                                  | 0                                                            |                                                            |
| 55 | T&Ps             | Come Along Clamp for Dog, Coyote & Panther Conductor                                                                                                                                                                                                   |                                    | 1 Per Divison                                                  | 0                                                            |                                                            |
| 56 | T&Ps             | Hydrolic Crimping machine with all dies suitable for jointing Dog, Coyote & Panther Conductor.                                                                                                                                                         |                                    | 1 Per Divison                                                  | 0                                                            |                                                            |
| 57 | T&Ps             | Chain Pully Block for Dog, Coyote & Panther conductor Stringing (5 TON)                                                                                                                                                                                |                                    | 1 Per Divison                                                  |                                                              |                                                            |
| 58 | T&Ps             | Chain Pully Block for Dog, Coyote & Panther conductor Stringing (3 TON)                                                                                                                                                                                |                                    | 1 Per Divison                                                  |                                                              |                                                            |
| 60 | PPEs             | VRD Welding Machine with all accessories and electrodes "as per requirement" - Certified 4G welder. Welding PPE's (FR Apron, Neck Hood, Hand Sleeve, Shoe Guard, Nose Mask & leather 14" hand Gloves, widing helmet Dark glass with Face Shiled, etc.) |                                    | BA to ensure availability & compliance during all welding Jobs |                                                              |                                                            |
| 61 | T&Ps             | Gas Cutting Set (Oxygen with DA, Cylinder, Gas Cutting trolley, Fire Extinguisher, Hose 7 Mtr. With color coding, flashback arrestor with both hand, Dual Pipe Torch) with With flash back arrestor at regulator and torch side.                       |                                    | BA to ensure availability & compliance during all cutting set  |                                                              |                                                            |
| 63 | T&Ps             | Battery Operated Ratchet Set                                                                                                                                                                                                                           |                                    | 1 Per Cluster                                                  |                                                              |                                                            |
| 64 | T&Ps             | Spade                                                                                                                                                                                                                                                  |                                    | One nos Perdivision                                            |                                                              |                                                            |
| 65 | T&Ps             | Gaitti insulated handle                                                                                                                                                                                                                                |                                    | One nos Perdivision                                            |                                                              |                                                            |
| 66 | T&Ps             | Cotton waste for cleaning                                                                                                                                                                                                                              |                                    | Lot in Cluster                                                 |                                                              |                                                            |
| 67 | T&Ps             | Spray Painting Machine with Compressor                                                                                                                                                                                                                 |                                    | 1 Per Cluster                                                  |                                                              |                                                            |
| 68 | T&Ps             | Clamp on Meter (Digital)                                                                                                                                                                                                                               |                                    | 1 Per Divison                                                  |                                                              | TPCODL doesn't require it as it has been procured in capex |

| 69                                                                                                | T&Ps | Portable battery charger (Unit) One per division                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                             | 1 Per Division                                                          |                                 | TPCODL doesn't require it as it has been procured in capex |
|---------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------|
| 72                                                                                                | T&Ps | Twin Leg Tool Lanyard - 25 lbs.                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                             | 2                                                                       |                                 |                                                            |
| 73                                                                                                | T&Ps | Motorised oil pump                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                             | 0                                                                       | 1                               |                                                            |
| 74                                                                                                | T&Ps | Hand operated oil pump                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                             | 0                                                                       | 1                               |                                                            |
| 75                                                                                                | T&Ps | wearable induction voltage detector (at wrist or helmet). Make Honeywell model HHVSB11 , JARSH model smartvolt, HVTI                                                                                                                                                                                                                                                                  |                                                                                                                                                             | Per line man                                                            | Per line man                    |                                                            |
| 76                                                                                                | T&Ps | Non contact type LT line tester. Make Fluke, Silicon waves.                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                             |                                                                         | Per line man                    |                                                            |
| 77                                                                                                | T&Ps | Panel cutter                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                             | 0                                                                       | 1                               |                                                            |
| 78                                                                                                | T&Ps | Portable Self Locaking Discharge Clamp Set (as per TPNODL Specifications) (One Insulated Telescopic Rod + Three Discharge Clamps + Three nos. of C-clamp + Three Spike Rods + 1 connecting rod + 16.sq. mm. Insulated Cable -                                                                                                                                                         |                                                                                                                                                             | for TPNODL specific 6 numbers (2 sets) of self locking discharge clamp. |                                 |                                                            |
| 79                                                                                                | T&Ps | Insulated Crow Bar                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                             | 3                                                                       |                                 |                                                            |
|                                                                                                   | T&Ps | IR tester 10 KV                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                             | 1                                                                       | 0                               |                                                            |
|                                                                                                   | T&Ps | IR tester 2.5 kV, Crank Operated                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                             | 0                                                                       | 1                               |                                                            |
|                                                                                                   | T&Ps | Tool bag suitable for carrying tools during height work                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                             | 2                                                                       | 2                               |                                                            |
|                                                                                                   | T&Ps | Hygrometer for battery for specific gravity measurement                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                             | 0                                                                       | 1                               |                                                            |
| <b>For safe Conductor Stringing (learning from LWDC) - Suggested Additional tools and tackles</b> |      |                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                             |                                                                         |                                 |                                                            |
| 80                                                                                                | T&Ps | Pulley for arrangement of stringing activities of lifting of tools ( spanner, sling, pulley, ropes etc.) - SWL 1T                                                                                                                                                                                                                                                                     |                                                                                                                                                             | 2                                                                       |                                 |                                                            |
| 81                                                                                                | T&Ps | SWL of swivel joint – 3 T                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                             | One Per Each Division                                                   |                                 |                                                            |
| 82                                                                                                | T&Ps | Sock single end SWL- 3T as per DOG, Rabbit, Panther conductor                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                             | One Per Each Division                                                   |                                 |                                                            |
| 83                                                                                                | T&Ps | Automatic clamp with arrangement of remove from ground level by rope                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                             | One Per Each Division                                                   |                                 |                                                            |
| 84                                                                                                | T&Ps | Hydraulic conductor cutter                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                             | One Per Each Division                                                   |                                 |                                                            |
| 85                                                                                                | T&Ps | Single roller SWL 3T or Twin roller                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                             | 05 Per Each Division                                                    |                                 |                                                            |
| 86                                                                                                | T&Ps | Open pulley SWL- 3T                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                             | 02 Per Each Division                                                    |                                 |                                                            |
| 87                                                                                                | T&Ps | D-shackle SWL-3T, 5T                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                             | 04 Per Each Item Per Division                                           |                                 |                                                            |
| 88                                                                                                | T&Ps | Dynamometer 0 to 5T minimum                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                             | One Per Each Division                                                   |                                 |                                                            |
| 89                                                                                                | T&Ps | Sling lenth 2 Mtr SWL- 3T and more SWL for                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                             | 06 Per Each Division                                                    |                                 |                                                            |
| 90                                                                                                | T&Ps | Turn table SWL 10T max.                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                             | One Per Each Division                                                   |                                 |                                                            |
|                                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                             |                                                                         |                                 |                                                            |
|                                                                                                   |      |                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                             |                                                                         |                                 |                                                            |
| <b>PSS</b>                                                                                        |      |                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                             |                                                                         |                                 |                                                            |
| SL NO                                                                                             |      | PPEs Description                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                             | Recommendation as per Discussion of 4 DISCOMs                           | Remarks                         |                                                            |
| 1                                                                                                 | PPEs | Electrical certified safety shoes with double density PU sole with composite toe cap. (EN +ISI Mark on shoes). IS 15298 Part 2. Make Acme/Bata/Tata International/HighLife, Liberty                                                                                                                                                                                                   | Acme/Bata/Tata International/HighLife, Liberty, Karam, Allen cooper                                                                                         | Per Person                                                              |                                 |                                                            |
| 2                                                                                                 | PPEs | HDPE Safety helmet with chin strap and ratchet type for adjustment. (E class- Electrical grade Safety Helmet). IS2925, EN397. Udyogi, Joseph & Lesli,PERF,MSA                                                                                                                                                                                                                         | Udyogi, Joseph & Lesli,PERF,MSA, APS                                                                                                                        | Per Person                                                              |                                 |                                                            |
| 3                                                                                                 | PPEs | FR (Fire-Resistance 8CAL/cm square) jacket for chest protection - FR jacket to be of Full Sleeves and 100 % cotton material. The reflective tapes to be added/stitched to the FR Jacket. Colour Orange-Lineman, IS-15742. Utkal Industrial & Safety Product, Tara Lohia, APS Industrial Solution, Udyogi where fabric from Arvind Mills, Grasim, Moffattal, Viman, Raymond or Siyaram | Utkal Industrial & Safety Product, Tara Lohia, APS Industrial Solution, Udyogi where fabric from Arvind Mills, Grasim, Moffattal, Viman, Raymond or Siyaram | 1 Per Line man (Skilled) Person                                         | 1 Per Line man (Skilled) Person |                                                            |

|               |                                                                                                                                                                                             |                                                                                                                                                                                                                        |                                                                                                                                                   |                                                          |                |  |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------|--|
| 4             | PPEs                                                                                                                                                                                        | High visibility Cotton bledned T-shirt with Reflective stips for all employees.                                                                                                                                        | Colour for the T-Shirt will be<br>1. Highly Skilled Person: Grey Colour<br>2. Skilled Person: Navy Blue<br>3. Unskilled Person: Fluorescent Green | Per Person                                               |                |  |
| 5             | PPEs                                                                                                                                                                                        | Raincoat 1 No's per employee. Make Make- Duckback, KC pul, Zeel, wild craft                                                                                                                                            | Make- Duckback, KC pul, Zeel, wild craft                                                                                                          | For all employees line including line & PSS maintenance. |                |  |
| 7             | PPEs                                                                                                                                                                                        | Safety Gum Boots withcomposite Toe cap (14 Inch)To be provided as per foot size. IS-5557. Bata, Udyogi, ACME                                                                                                           |                                                                                                                                                   | 2 Nos.                                                   |                |  |
| <b>S. NO.</b> | <b>Tools Description</b>                                                                                                                                                                    |                                                                                                                                                                                                                        |                                                                                                                                                   | <b>Recommendation as per Discussion of 4 DISCOMs</b>     | <b>Remarks</b> |  |
| 1             | PPEs                                                                                                                                                                                        | 33kV Electrical Safety Gloves – Composite type Soft electrical gloves as per size of individual. (EN +ISI Mark on gloves)Class-04 with swet absorbing cotton gloves. IS13774-2021, ,Jayco, Raychem, Abrigo,MN rubber   |                                                                                                                                                   | <b>2 Sets</b>                                            | 2Sets          |  |
| 2             | PPEs                                                                                                                                                                                        | 500V Electrical Safety Gloves – Composite type Soft electrical gloves as per size of individual . (EN +ISI Mark on gloves)Class-02with swet . ,Jayco, Raychem, Abrigo,MN rubber.absorbing.IS13774-2021, cotton gloves. |                                                                                                                                                   | <b>2 Sets</b>                                            | 2Sets          |  |
| 3             | PPEs                                                                                                                                                                                        | Cut resistance / abrasion /PU coated Cotton hand gloves is required everytime while working for every one. IS-6694. Make Action, Udyogi, Frontier, Leslico, abrigo                                                     |                                                                                                                                                   | <b>Each Person of line &amp; PSS maintenance</b>         |                |  |
| 4             | T&Ps                                                                                                                                                                                        | Re-Chargeable Torch (High Beam) with the 300 Lumen Level (Philips, Everyready, Bajaj, Surya, Jarsh)                                                                                                                    | Philips, Everyready, Bajaj, Surya, Jarsh                                                                                                          | <b>1 No.</b>                                             |                |  |
| 5             | PPEs                                                                                                                                                                                        | Full face visor as an attachement to safety helmet ((1 No's Per PSS)                                                                                                                                                   | Udyogi, Joseph lesli, Karam                                                                                                                       | <b>1 No.</b>                                             |                |  |
| 6             | T&Ps                                                                                                                                                                                        | One set of Screw driver( Taparia 840 combination screw driver set(pack of 6) in each PSS                                                                                                                               |                                                                                                                                                   | 1 Set                                                    |                |  |
| 7             | T&Ps                                                                                                                                                                                        | Insulated combination plier- 1 no each PSS                                                                                                                                                                             |                                                                                                                                                   | 1 Set                                                    |                |  |
| 8             | T&Ps                                                                                                                                                                                        | Adjustable Spanners 6" and 10" – 01 No,                                                                                                                                                                                |                                                                                                                                                   | 1 Set                                                    |                |  |
| 9             | T&Ps                                                                                                                                                                                        | Painting Brush 4" and 2" – 01 No,                                                                                                                                                                                      |                                                                                                                                                   | 1 Set                                                    |                |  |
| 10            | T&Ps                                                                                                                                                                                        | Old dhoti full size – 24 No, (2 per month)                                                                                                                                                                             |                                                                                                                                                   | 1 Set                                                    |                |  |
| 11            | Safety Equipment                                                                                                                                                                            | Discharge Rod                                                                                                                                                                                                          |                                                                                                                                                   | <b>12 Nos</b>                                            |                |  |
| 12            | Safety Equipment                                                                                                                                                                            | Neon Tester for 11-33 KV - with FRP Rod                                                                                                                                                                                |                                                                                                                                                   | 1 No.                                                    |                |  |
| 13            | Safety Equipment                                                                                                                                                                            | One first aid box per PSS                                                                                                                                                                                              |                                                                                                                                                   | 1 No.                                                    |                |  |
|               |                                                                                                                                                                                             |                                                                                                                                                                                                                        |                                                                                                                                                   |                                                          |                |  |
|               | <b>Note: Make &amp; Standard for all mentioned equipment shall remain same as mentioned above. Details missing if any from the abive list may be referred from T &amp; P List of 11 kV.</b> |                                                                                                                                                                                                                        |                                                                                                                                                   |                                                          |                |  |

| Tools & Tackles _11 KV AMC |                  |                                                                                                                                                                                                                 |                                                                |                                           |                                                                                                                                                                                                                                     |
|----------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S NO.                      | Category         | Item Description                                                                                                                                                                                                | TPWODL                                                         | IS Standard                               | Make in Bharat only                                                                                                                                                                                                                 |
| 1                          | PPEs             | Electrical certified safety shoes with double density PU sole with composite toe cap. (EN +ISI Mark on shoes)                                                                                                   | <i>Each Employee</i>                                           | <i>IS 15298 Part 2</i>                    | Acme/Bata/Tata International/HighLife, Liberty, Karam, Allen cooper                                                                                                                                                                 |
| 2                          | PPEs             | HDPE Safety helmet with chin strap and ratchet type for adjustment. (E class- Electrical grade Safety Helmet)                                                                                                   | <i>Each Employee</i>                                           | <i>IS2925, EN397</i>                      | Udyogi, Joseph & Lesli, PERF, MSA, APS                                                                                                                                                                                              |
| 3                          | PPEs             | <i>Full body harness non padded (Safety belt with Double Lanyard with Shock-Absorber &amp; Pole Grab Arrestor) and adjustable Work positioning belt</i>                                                         | <i>1 Per Lineman</i>                                           | <i>IS3531-2021, EN358, EN361, Class-P</i> | Udyogi, Karam, Abrigo, MSA                                                                                                                                                                                                          |
| 4                          | PPEs             | 11kV Electrical Safety Gloves – Composite type Soft electrical gloves as per size of individual. (EN +ISI Mark on gloves)Class-02 with sweat absorbing cotton gloves.                                           | <i>1 Per Lineman</i>                                           | <i>IS13774-2021,</i>                      | 3M, Honeywell, Jayco, Raychem, Abrigo, MN rubber                                                                                                                                                                                    |
| 5                          | PPEs             | 500V Electrical Safety Gloves – Composite type Soft electrical gloves as per size of individual . (EN +ISI Mark on gloves)Class-00 with sweat absorbing cotton gloves                                           | <i>1 Per Lineman</i>                                           | <i>IS13774-2021,</i>                      | Udyogi, 3M, Honeywell, Jayco, Raychem, Abrigo, MN rubber                                                                                                                                                                            |
| 6                          | PPEs             | Face visor as an attachment to Safety helmet.                                                                                                                                                                   | <i>1 Per Lineman</i>                                           | EN166                                     | Udyogi, Joseph lesli, Karam                                                                                                                                                                                                         |
| 7                          | PPEs             | FR (Fire-Resistance 8CAL/cm square) jacket for chest protection - FR jacket to be of Full Sleeves and 100 % cotton material. The reflective tapes to be added/stitched to the FR Jacket. Colour Orange-Lineman, | <i>1 Per Lineman</i>                                           | IS-15742                                  | Utkal Industrial & Safety Product, Tara Lohia, APS Industrial Solution, Udyogi where fabric from Arvind Mills, Grasim, Moffatall, Viman, Raymond or Siyaram                                                                         |
| 8                          | PPEs             | High visibility Cotton blended T-shirt with Reflective strips for all employees.                                                                                                                                | <i>1 Per Highly Skilled, Skilled, Unskilled (Excluding TO)</i> | IS15809                                   | Colour for the T-Shirt will be<br>1. Highly Skilled Person: Grey Colour<br>2. Skilled Person: Navy Blue<br>3. Unskilled Person: Fluorescent Green<br><br>Prior approval should be taken by the Discom Safety Head before deployment |
| 9                          | PPEs             | <i>Cut resistance / abrasion /PU coated Cotton hand gloves is required everytime while working for every one.</i>                                                                                               | <i>1 Per Lineman &amp; Helper</i>                              | <i>IS-6694</i>                            | <i>Action, Udyogi, Frontier, Leslico, abrigo, Honeywell</i>                                                                                                                                                                         |
| 10                         | PPEs             | Welding PPE's (FR Apron, Neck Hood, Hand Sleeve, Shoe Guard, Nose Mask & leather 14" hand Gloves, welding helmet Dark glass with Face Shield, etc.)                                                             | BA to ensure availability & compliance during all welding Jobs | IS-1179                                   | 3M, Honeywell                                                                                                                                                                                                                       |
| 11                         | PPEs             | <i>Safety Gum Boots with composite Toe cap (14 Inch) To be provided as per foot size</i>                                                                                                                        | <i>6 Pair Per AMC Vehicle, 2 pair Per FCC</i>                  | <i>IS-5557</i>                            | <i>Bata, Udyogi, ACME</i>                                                                                                                                                                                                           |
| 12                         | PPEs             | Wearable induction voltage detector (at wrist or helmet)                                                                                                                                                        | <i>1 Per Lineman</i>                                           |                                           | <i>Honeywell model HHVSB11 , JARSH model smartvolt, HVTI</i>                                                                                                                                                                        |
| 13                         | Safety Equipment | <i>FRP Ladder 9 Mtrs. (2 Fold)</i>                                                                                                                                                                              | <i>1 Per Section+1 Per AMC Vehicle</i>                         |                                           | <i>Young man, Ladder man, Aktion</i>                                                                                                                                                                                                |
| 14                         | Safety Equipment | <i>FRP Ladder 12 Mtrs. (3 Fold)</i>                                                                                                                                                                             | <i>1 Per Section</i>                                           |                                           | <i>Young man, Ladder man, Aktion</i>                                                                                                                                                                                                |

|    |                  |                                                                                                                                                                                                                                 |                                                     |  |                                            |
|----|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--|--------------------------------------------|
| 15 | Safety Equipment | <i>FRP Ladder up to 7 Mtrs. (Collapsible Ladder)</i>                                                                                                                                                                            | <i>1 Per FCC</i>                                    |  | <i>Young man, Ladder man, Aktion</i>       |
| 16 | Safety Equipment | <i>Bamboo ladder</i>                                                                                                                                                                                                            | <i>(As per Annexure in Resource Sheet)</i>          |  | <i>Make, BIS ref. &amp; Spepcification</i> |
| 17 | T&Ps             | Ring spanner set                                                                                                                                                                                                                | <i>1 Per FCC + 2 Per AMC Vehicle</i>                |  |                                            |
| 18 | T&Ps             | Crimping Tools along with die - 25sqmm-300 sq. mm                                                                                                                                                                               | <i>1 Per FCC + 1 Per AMC Vehicle</i>                |  |                                            |
| 19 | T&Ps             | Crimping Tools - Hydraulic complete with die sets of all sizes of cables up-to 630Sq.mm.                                                                                                                                        | <i>1 Per Sub-Division</i>                           |  |                                            |
| 20 | T&Ps             | C Headed spanner set                                                                                                                                                                                                            | <i>1 Per FCC + 2 Per AMC Vehicle</i>                |  |                                            |
| 21 | T&Ps             | <i>Hammer 0.5-2 Kg with Wooden Handle</i>                                                                                                                                                                                       | <i>1 Per FCC + 1 Per AMC Vehicle</i>                |  |                                            |
| 22 | T&Ps             | Hammer 5 Kg with Wooden Handle                                                                                                                                                                                                  | <i>1 Per Section</i>                                |  |                                            |
| 23 | T&Ps             | Tool Box (Standard)                                                                                                                                                                                                             | <i>1 per lineman</i>                                |  |                                            |
| 24 | T&Ps             | Insulated Pliers                                                                                                                                                                                                                | <i>1 per lineman</i>                                |  | Taparia or Equivalent                      |
| 25 | T&Ps             | <i>Cable pulling winch, eye, socks, PVC rollers (4 no's) and trifors machine</i>                                                                                                                                                | <i>1 set per Section</i>                            |  |                                            |
| 26 | T&Ps             | Adjustable Spanner set                                                                                                                                                                                                          | <i>1 Per Lineman</i>                                |  |                                            |
| 27 | T&Ps             | Monkey Pliers                                                                                                                                                                                                                   | <i>1 Per Lineman</i>                                |  | Taparia or Equivalent                      |
| 28 | T&Ps             | <i>Heavy Base PVC Traffic Cone 750 mm and Barricading Tape</i>                                                                                                                                                                  | <i>10 per Section</i>                               |  |                                            |
| 29 | T&Ps             | <i>Knife insulated</i>                                                                                                                                                                                                          | <i>1 Per Lineman</i>                                |  |                                            |
| 30 | T&Ps             | <i>Crimping Tools - Hydraulic complete with die sets of all sizes of cables up-to 630Sq.mm.</i>                                                                                                                                 | <i>1 Per Sub-Division</i>                           |  |                                            |
| 31 | T&Ps             | Polypopylene Rope 24 MM                                                                                                                                                                                                         | <i>1 Per FCC + 1 Per AMC Vehicle +3 Per section</i> |  |                                            |
| 32 | T&Ps             | Polypopylene Rope 8 MM                                                                                                                                                                                                          | <i>20m per vehicle</i>                              |  |                                            |
| 33 | T&Ps             | <i>Motorized Bench Drill Machine</i>                                                                                                                                                                                            | <i>1 per division</i>                               |  |                                            |
| 34 | T&Ps             | Hand Drill Machine                                                                                                                                                                                                              | <i>1 per Section</i>                                |  |                                            |
| 35 | T&Ps             | <i>Screw Driver set</i>                                                                                                                                                                                                         | <i>4 Per Vehicle + 1 Per Lineman</i>                |  | Taparia or Equivalent                      |
| 36 | T&Ps             | <i>Nose Pliers</i>                                                                                                                                                                                                              | <i>2 Per AMC Vehicle + 1 Per lineman</i>            |  | Taparia or Equivalent                      |
| 37 | T&Ps             | Gas Cutting Set (Oxygen with DA, Cylinder, Gas Cutting trolley, Fire Extinguisher, Hose 7 Mtr. With color coding, flashback arrestor with both end, Dual Pipe Torch) with With flash back arrester at regulator and torch side. | <i>1 Per division</i>                               |  | <i>Safety Inputs Required.</i>             |
| 38 | T&Ps             | <i>Welding machine (5 KVA) with rods. Only VRD Welding Machine</i>                                                                                                                                                              | <i>1 per division</i>                               |  | <i>Safety Inputs Required.</i>             |
| 39 | T&Ps             | <i>Chain Pulley Block with chain (Capacity: 5 ton)</i>                                                                                                                                                                          | <i>1 per Section</i>                                |  |                                            |
| 40 | T&Ps             | <i>Tap kit with handles</i>                                                                                                                                                                                                     | <i>1 per Subdivision</i>                            |  |                                            |
| 41 | T&Ps             | <i>Round File</i>                                                                                                                                                                                                               | <i>1 Per FCC + 1 Per AMC Vehicle</i>                |  |                                            |
| 42 | T&Ps             | <i>File Set 12", 8", round , half round</i>                                                                                                                                                                                     | <i>1 per sub Division</i>                           |  |                                            |

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| 43 | T&Ps             | Hacksaw Adjustable Frame, 12"-14" with blade                                                                                                                  | 1 Per FCC + 1 Per AMC Vehicle                             |  |                                                                            |
| 44 | T&Ps             | Manual Tree pruner (Telescopic Type) extended up to 8 mtrs. (Make: Sthil or Equivalent)                                                                       | 1 Per FCC and 1 Per section                               |  |                                                                            |
| 45 | T&Ps             | Power Saw                                                                                                                                                     | 1 Nos. per Section                                        |  |                                                                            |
| 46 | T&Ps             | Ratchet Set                                                                                                                                                   | 1 per Vehicle                                             |  |                                                                            |
| 47 | T&Ps             | 2300W 355 mm (14 inch) Heavy Duty Chop Saw with wheel included                                                                                                | 1 per division                                            |  |                                                                            |
| 48 | T&Ps             | Jet Draw Vice Malleable                                                                                                                                       | 1 per division                                            |  |                                                                            |
| 49 | T&Ps             | Hand Operated Oil Pump                                                                                                                                        | 1 per Section                                             |  |                                                                            |
| 50 | T&Ps             | Indian Spade (Fawra)                                                                                                                                          | 1 Per FCC+ 4 per Section                                  |  |                                                                            |
| 51 | T&Ps             | Bolt cutter                                                                                                                                                   | 1 per Section                                             |  |                                                                            |
| 52 | T&Ps             | Pneumatic hammer *                                                                                                                                            | 1 per Division                                            |  |                                                                            |
| 53 | T&Ps             | Come along (Kamla) clamp                                                                                                                                      | 4 Per Section                                             |  |                                                                            |
| 54 | T&Ps             | Spade / Ganti                                                                                                                                                 | 1 Per FCC+4 per Section                                   |  |                                                                            |
| 55 | T&Ps             | Air Blower                                                                                                                                                    | 1 per Subdivision                                         |  |                                                                            |
| 56 | T&Ps             | Oil Level Bottle                                                                                                                                              | 1 per section                                             |  |                                                                            |
| 57 | T&Ps             | Hot Air Blower (for heat shrink of sleeves/ joints etc. purpose)                                                                                              | 1 per Subdivision                                         |  |                                                                            |
| 58 | Safety Equipment | Discharge Rod suitable with 15 m long minimum 16 mm sq. (for AMC Vehicle) & 16 mm. sq. (for FCC) insulated Copper wire & 7.5 m operating stick.               | 6 Nos. Per FCC + 9 nos. Per Vehicle                       |  | Taurus Powertronics Pvt. Ltd, BEMICO, APS                                  |
| 59 | Safety Equipment | Universal Rod Stick ( for Neon Tester and Discharge Rod)                                                                                                      | 1 Per AMC Vehicle+ 1 per Section                          |  | Ritz, Bemico                                                               |
| 60 | Safety Equipment | Crocodile Clamp with flexible copper minimum 16 sq.mm (SET of 4 clamps )                                                                                      | 2 Per FCC + 3 Per Vehicle                                 |  |                                                                            |
| 61 | T&Ps             | L& Key set                                                                                                                                                    | 1per FCC + 1 per Vehicle                                  |  |                                                                            |
| 62 | T&Ps             | Nut Bolt and washer of different sizes                                                                                                                        | BA must maintain Regular stock of 5 Kg per section/ Month |  |                                                                            |
| 63 | T&Ps             | Portable Spike earthing Rod                                                                                                                                   | 6 Nos. Per FCC + 9 nos. Per Vehicle                       |  |                                                                            |
| 64 | T&Ps             | Cotton (dhoti) Clothes for cleaning                                                                                                                           | 3 Kg per Lineman per month                                |  |                                                                            |
| 65 | T&Ps             | First Aid Box                                                                                                                                                 | 1 per FCC & 1 per vehicle.                                |  | FA box as per factories/BOCW act for 25 person. Make Thadani or equivalent |
| 66 | T&Ps             | Rain Coat                                                                                                                                                     | 1 Per Highly Skilled, Skilled & Unskilled                 |  | Make- Duckback, KC pul, Zeel, wild craft                                   |
| 67 | T&Ps             | Re-Chargeable Torch (High Beam) with the 300 Lumen Level                                                                                                      | 2 per FCC ,2 per vehicle.                                 |  | Philips, Everyready, Bajaj, Surya, Jarsh                                   |
| 68 | T&Ps             | Helmet Mounted LED Light                                                                                                                                      | 1 per lineman                                             |  |                                                                            |
| 69 | T&Ps             | RCCB/ELCB Mounted Extension Board rating shall be not more than 30mA (Capacity - 63 A, Industrial Plug Type) with MCCB & 25 mtrs. of extension flexible wire. | 1 per Section                                             |  |                                                                            |
| 70 | T&Ps             | Axe                                                                                                                                                           | 1 Per FCC+2 Per Vehicle                                   |  |                                                                            |
| 71 | T&Ps             | Wire Rope Sling Set (1 Ton, 2 Ton, 5 Ton) 4m each                                                                                                             | 1 per Section                                             |  |                                                                            |

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|----|---------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|------------------------------|
| 72 | T&Ps                | <i>Katuri with insulated handle</i>                                                                 | <i>2 per FCC + 4 per section</i>                                                    |  |                              |
| 73 | T&Ps                | Measuring tape 30 M                                                                                 | <i>1 Per Section</i>                                                                |  |                              |
| 74 | T&Ps                | Motorised dewatering pump with Hose Pipe (0.5 HP)                                                   | <i>1 per Division</i>                                                               |  |                              |
| 75 | T&Ps                | <i>Pole Cart</i>                                                                                    | <i>1 per Division</i>                                                               |  |                              |
| 76 | T&Ps                | Web sling belt (as per SWL) of rated capacity to be kept for heavy lifting of transformers + Poles  | BA to ensure availability & compliance during heavy lifting of transformers + Poles |  |                              |
| 77 | T&Ps                | <i>Tool pouch &amp; Tool lanyard</i>                                                                | <i>1 per lineman</i>                                                                |  |                              |
| 78 | Safety Equipment    | <i>Neon Tester (up to 33kV)</i>                                                                     | <i>1 per Vehicle+ 2 Per Section + 1 per FCC</i>                                     |  | <i>Taurus, HVTI, Motwani</i> |
| 79 | Testing Instruments | Double series Test Lamp - Standardized with Probe & proper casing arrangement for bulb.             | <i>1 Per FCC + 1 Per Vehicle</i>                                                    |  |                              |
| 80 | Testing Instruments | <i>Non contact type LT line tester.</i>                                                             | <i>1 per skilled person / lineman</i>                                               |  | <i>Fluke, Silicon waves</i>  |
| 81 | Testing Instruments | <i>Digital Clamp On meters</i>                                                                      | <i>1 Per FCC + 1 Per AMC Vehicle</i>                                                |  |                              |
| 82 | T&Ps                | <i>Smart tools (Battery Operated – Bosch Cordless Impact Wrench GDS 18V- EC 250 or GDS 18V 400)</i> | <i>1 per Section</i>                                                                |  |                              |
| 83 | Testing Instruments | Digital earth resistance tester with suitable probes                                                | <i>1 Per Section</i>                                                                |  | Rishabh/WACO                 |
| 84 | Testing Instruments | Digital Insulation Resistance tester (500V-5000V) with suitable probes                              | <i>1 Per AMC Vehicle</i>                                                            |  | Rishabh/WACO                 |
| 85 | T&Ps                | <i>Clip Plier</i>                                                                                   | <i>1 per Vehicle</i>                                                                |  |                              |
| 86 | T&Ps                | <i>Insulated Wire stripper</i>                                                                      | <i>1 per Vehicle</i>                                                                |  |                              |
| 87 | T&Ps                | <i>Industrial vacuum cleaner</i>                                                                    | <i>1 per division</i>                                                               |  |                              |
| 88 | T&Ps                | <i>Pressure Torque wrench manual</i>                                                                | <i>1 per division</i>                                                               |  |                              |
| 89 | T&Ps                | <i>Hydraulic nut Cutter</i>                                                                         | <i>1 per division</i>                                                               |  |                              |
| 90 | T&Ps                | <i>Hand grinder</i>                                                                                 | <i>1 per division</i>                                                               |  |                              |
| 91 | T&Ps                | <i>PVC insulation Tape 1.1 kV</i>                                                                   | <i>1 per lineman + BA must maintain Regular stock</i>                               |  |                              |
| 92 | T&Ps                | <i>M seal Putty</i>                                                                                 | <i>BA must maintain Regular stock</i>                                               |  |                              |
| 93 | T&Ps                | <i>Grease / Lubricant oil</i>                                                                       | <i>BA to maintain regular stock</i>                                                 |  |                              |
| 94 | T&Ps                | <i>Hand operated oil Can</i>                                                                        | <i>1 per section</i>                                                                |  |                              |
| 95 | T&Ps                | <i>sand paper</i>                                                                                   | <i>BA to maintain regular stock</i>                                                 |  |                              |
| 96 | T&Ps                | CRC 5-56 Powerspray                                                                                 | <i>BA to maintain regular stock</i>                                                 |  |                              |
| 97 | T&Ps                | <i>Steel Strapping Tool (For fixing Steel Strap &amp; Buckles ) &amp; Cutter</i>                    | <i>1 per Section</i>                                                                |  |                              |
| 98 | Testing Instruments | <i>Oil BDV Test set (0-60kV)</i>                                                                    | <i>1 Per Sub-Division</i>                                                           |  |                              |
| 99 | Safety Equipment    | <i>Safety Brass Chain 6m long along with nylon rope 8mm for shorting cum earthing.</i>              | <i>2 per FCC+ 3 Per AMC Vehicle</i>                                                 |  |                              |

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|-----|------------------|-----------------------------------|------------------------|--|--|
| 100 | Safety Equipment | <i>Portable fire extinguisher</i> | <i>1kg per vehicle</i> |  |  |
|-----|------------------|-----------------------------------|------------------------|--|--|