

Tender no. -	TPCODL / CCG / 2025-26 / 100003100			
Tender Description -	Rate Contract for 11 kV & LT Network Maintenance & Allied Work, 33 kV Network Maintenance and Operational Assistance of 33/11 kV Sub-Stations of TP Odisha DISCOMs			
Sl. No.	Common/ DISCOM	Tender Reference (Document name/Page no./Clause no./Clause name)	Pre-Bid Query raised by Bidder	TP Odisha DISCOM Response
1	Common	3.0 Evaluation Criteria Page no: 7 Clause No: 3.0 - C Clause Name: Evaluation Criteria	Is it mandatory for a bidder to Quote the rates for all 4 DISCOMs or if we want to quote for only 1 DISCOM, then what to do please clarify.	The tender document specifies that bidders may participate in one or more DISCOMs. However, participation in all lots of a selected DISCOM is mandatory. Bids not complying with this requirement are liable for disqualification.
2	Common		When we get the price bid to quote? As on now we donot get the price bid format	Kindly refer to the relevant details available on the Ariba platform.
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1	Common	Page 18	1. How it will be ensure 90% Payment is relesead within 7 Days ? 2 . What will be Time line to Release 10 % After SLA Deduction ?As Per Current Practice Payment of 10 % is Still not Cleared in Some Discom For More then Six Months. 3. Does SLA Penalty is applicable on Only AMC part or on Extra Activity Part also? 4. What is Time line of Payment of Extra Activity ?	1. Payments shall be processed as per the terms outlined in the tender upon submission of certified invoices. 2. Payment shall be made within 30 days following verification and approval by the Engineer-in-Charge (EIC) of the DISCOM, subject to submission of all required documentation by the bidder. 3. SLA penalties shall apply only to the AMC components, covering manpower and vehicle charges. 4. 30 days after submission of certified invoice
2	Common	4.9 Technical Evaluation Page 22 & page 45	On Page 22 it is Mentioned 60 % Marks is For Technical Qualification & On Page 45 it is 70 % which one is Correct?	Part-II evaluation criteria shall be applicable to existing bidders, with a minimum qualifying score of 60%.
3	Common	Qualification of Manpower & Skill Set	On Same discom Qualification of Manpower of Helper is Different Somewhere it is 7th & Somewhere it is 10th? What Should be the Skill Set of Helper ? As we get notification From Labour Office it should be Semi Skilled? It will Impact Cost Accordingly. Or if There is any Change of Skill Set in Mid of Tender ,who will bear additional Cost?	Please refer the qualification category sheet provided alongwith the responses.
4	TPNODL	Manpower of 33 KV Excel	33 KV AMC Manpwer & 33 KV pss manpower is not Clearly Mentioned. Need to Clear	Kindly refer to the revised 33kv manpower deployment details, available in the Ariba platform
5	Common	Tool list	It should be Common for All Discom & Std & make of All Item need to be Specify.	While major T&P items and PPEs are standardized and listed in the tender document, certain items are specific to individual DISCOMs. Kindly refer to the DISCOM-wise requirements as mentioned in the tender.
6	TPSODL	RC / DC Vehicle	Who Will Supervise these Vechile ? As Some Times it get diverted From RC / DC to Breakdown? Traget Means What? Does it Mean No of dis Connection or Money?	1. Primary owner of RC/ DC vehicle is commercial group and the vehicle will be supervised by the TPSODL officer posted in the Section/Division/Circle. In case of extreme exigencies and considering the organisational requirement vehicles are diverted to attend breakdown similarly during mass collection activities vehicles are diverted to attend collection drives. 2. Monthly targets for Recovery (Amount) and Disconnection (Count of defaulters disconnected) shall be assigned by HOG C&R by 2nd of every month. Target of Surveillance in the area including but not limited to all the disconnected cases and submission of connection status report in prescribed format (SVR) may also be given. 4% of the monthly invoice value shall be deducted as penalty for AT&C
7	TPWODL	Page 08 The vehicles deployed for operation and maintenance shall not be more than Five years old (from date of LOI/PO/renewed PO) with good condition of interior and exterior. All statutory laws/motor vehicle ACT/RTO Rules (mainly RC, Insurance, fitness and pollution control) should be complied. In case of accidents TPWODL has no liability towards Police/RTA authorities, Law Courts, injured parties, damage to the vehicle or property etc. The vehicles should be run on authorized fuel like CNG/Petrol/Diesel as endorsed on the vehicle	In 33kv it is 10 Years & in 11kv it is 5 Years . Please Make it Clear ? It Should be 10 Years For All Vehicle in All Discom'	The age of the vehicle should not exceed 10 years. All statutory compliance requirements, as outlined in the contract, must be met.
8	TPNODL	11 KV AMC Scope	The monthly rent of fuse call camp shall be limited up to Rs. 1500 for rural areas Page 24. These Rent are in Whose Scope BA or tata Power . Thsi is Common for All Discom . Please Clear it WWith respect to All Discom. As This is Common to All Discom & Rs.2500 for urban areas. (The list of such Fuse Call Centre shall be provided by TPNODL). FCC to be standardised with basic infrastructure, with drinking water, sanitation facilities, authorised power supply, minimum seating facilities	This scope is to be included in the bidder's quoted price. Monthly rent charges shall be borne by the bidder, and no separate claims shall be entertained in the monthly invoices. FCC camps should be metered and equipped with a stable electricity supply.
9	Common	Arc Suit/ FR Jacket	Does FR Jacket & Arc Suit is Same Thing? What are Makes of This. Should be Clearly Mention in TNP List	FR jacket specifications are as follows: > Minimum rating should be 8 Cal/CmSq > Fabric should be either inherent or treated > Minimum fabric should be 220 GSM > Full sleeve FR jacket is only required for Lineman > High visibility colour should be used along with reflective strips (Prefferably Orange) > Few of the recommended fabrics those are being used by us are Udyogi, Tara Lohia, Arvind, Lesli Co, Honneywell, DuPont. > Fabric EN certification required to be submitted
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1	TPWODL	2.0 Qualification criteria	As Per Tender Qualification mentioned is 2 years but we have been working in TPWODL for 18 months. Kindly consider.	Tender Terms & Conditions shall prevail. All Norms including MSME shall be as per tender doc.
2	Common	Asper labour Deptment un skilled labour is consider as semiskilled in AMC kindly clirify so that we can calculate the price bid accordingly.	Asper labour Deptment un skilled labour is consider as semiskilled in AMC kindly clirify so that we can calculate the price bid accordingly.	In AMC Contract, Helper Category will be adhered to as per the Minimum Wages Notification prevailing in the state for all category of workman. If helpers pass the Competency test , then he will be paid Semi Skilled. Else, he will continue to be unskilled.
3	Common	tools and tackels	the make of Tools and Tackles should be specified and their rating uniform in all discom	While major T&P items and PPEs are standardized and listed in the tender document, certain items are specific to individual DISCOMs. Kindly refer to the DISCOM-wise requirements as mentioned in the tender.
4	Common	Dress code of employee	The Dress code should same for all discomm so that it will easy to procure	There is no mandatory requirement for uniforms for the BA employees
5	Common	13.3 payment terms	90% Payment shall be released within 7 days of submission of invoice however kindly confirm the time line release for rest of 10% paymnet .	Payment shall be made within 30 days following verification and approval by the Engineer-in-Charge (EIC) of the DISCOM, subject to submission of all required documentation by the bidder.
6	Common	13.3 payment terms	if any deduction on Bill, the details are share by the finance .in all paymnet Advice	Ok. Noted
7	Common	13.3 payment terms	The vehicle payments should be released 100% within the 7 days as all verification done By EIC.	The terms and conditions of the tender shall be applicable.

8	Common	Manpower	The minimum resources is including of rest reliver or we have to to deployed separate manpower for rest reliver kindly clearly	This tender pertains to performance-based AMC for 33 kV, 11 kV, LT, and PSS operations. The bidder shall deploy the minimum manpower as indicated. Additional deployment, if required to meet SLA timelines and performance standards, shall be arranged by the bidder without any additional financial implication.
9	TPWODL	Vegetation Management	Kindly clarify that manpower used for vegetation is extra or it including the minimum manpower .	The requirement is included in the minimum resource deployment sheet. Additional resources may be deployed as needed to meet SLA performance requirements, based on site conditions..
10	Common	Pole Master	There is no line item for polemaster & Nos. of pole master required.	Kindly refer to the additional line items for Discom-wise indicative requirements
11	Common	33kv vehicle	kindly segregate between line and pss maintenance vechile with quantity .	Kindly refer to the indicative manpower requirements provided for each Discom
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1	TPWODL	Price Bid/ page21/ for RED & RSED	As RED & RSED is having urban area (smart city), the vehicle for urban area is zero. Please clarify.	Kindly refer to the Bill of Quantities (BOQ) for the relevant details.
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1	Common	Page No 18 & 19, Point No - 14.3, Clause No B & E	Timelines for releasing 10% payment should also be define in the Tender Documents	Payment shall be made within 30 days following verification and approval by the Engineer-in-Charge (EIC) of the DISCOM, subject to submission of all required documentation by the bidder.
2	Common	Page No 18 & 19, Point No - 14.3, Clause No B	90% payment shall be released in Every 7th day of month.	Payments shall be processed as per the terms outlined in the tender upon submission of certified invoices.
3	Common	General	Training Charges of L1, L2 & L3 should be mentioned in the tender documents as there is no charges for training.	As per Clause No 5.4.2 of BASCC R08; BA covers the cost of conveyance, food, salaries/wages, boarding, and lodging for their staff. Training charges are waived off for Odisha Discom.
4	Common	General	For costing purposes, Please confirm that Helper will consider as Unskilled or Semi skilled.	In AMC Contract, Helper Category will be adhered to as per the Minimum Wages Notification prevailing in the state for all category of workman. If helpers pass the Competency test , then he will be paid Semi Skilled. Else, he will continue to be unskilled.
5	Common	General	Is reliver is included in the Manpower list or it is to be considered extra in lieu of Manpower.	This tender pertains to performance-based AMC for 33 kV, 11 kV, LT, and PSS operations. The bidder shall deploy the minimum manpower as indicated. Additional deployment, if required to meet SLA timelines and performance standards, shall be arranged by the bidder without any additional financial implication.
6	Common	General	For procureing of Labour license. The charges of same is not mentioned in the Tender Documents please mentioned the same in the Tender Documents as it is important factor in Costing of this tender.	Labor license can not be procured. It has to be applied by the BA and Labor Dept will issue the license while TPWODL will remain Principal Employer.
7	Common	General	Please confirm that the costing of T&P's to be considered for 03 years in this tender as last 02 tenders are short closed and the costing of T & P's are too high. So Please confirm the same.	Please refer tender Terms & Conditions.
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1	Common	Manpower requirement schedule	We need a clarification on Reliever manpower. Whether the Reliever manpower strength are included in the manpower strength given in the schedule or we have to consider reliever manpower strength over & above the manpower strength given in schedule. Our earlier package the reliever manpower strength was included but in prebid discussion there is a confusion created and hence require a clarity since this will have a considerable cost impact	This tender pertains to performance-based AMC for 33 kV, 11 kV, LT, and PSS operations. The bidder shall deploy the minimum manpower as indicated. Additional deployment, if required to meet SLA timelines and performance standards, shall be arranged by the bidder without any additional financial implication.
2	Common	Tools & Tackles schedule requirement	It is observed that tools & tackles and Safety PPE requirement differs from DISCOM to DISCOM. It may be better if a common requirement schedule is given for all four discoms for an uniform costing as well as go for common procurement & monitor easily.	The Major T&P items , PPEs are standardised & mentioned in tender document. However some T&P items are Discom specific. BA need to consider the Discom wise T&P , PPEs as mentioned in the Tender document
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1	Common	For Line Maintenance & common breakdown Vehicle For PSS Maintenance Vehicle Qty (Per- Vehicle Qty Vehicle	Kindly clarify how many vehicles are required specifically for Line Maintenance and PSS Maintenance respectively. In the provided documents, the vehicle requirement has only been mentioned in terms of 12-hour and 24-hour durations, without clear segregation between Line and PSS maintenance activities.	DISCOM-wise indicative requirements mentioned in the tender.
2	Common	For MOC PSS, BA must engage separate cleaner in each PSS for 4 hrs to attend above said activities	Shall we consider the extra manpower to attend the same in each PSS for 4hrs. Or the manpower are included in the minimum manpower deployment.	This scope is to be included in the bidder's quoted price.
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1	Common	Pg 6, Sub Clause A(2) of Clause 2.0 Pre - Qualification Criteria	In particular AMC work experience is being asked for. Please consider long association and feedback/performance of working in other segments as well for TP Odisha discom's. Above is being requested in light of the past experience relaxation given to MSME's of Odisha as stated below:- (Past Experience Relaxation: Instead of relying on the volumes / value of earlier Supplies / Projects, assessment of the Bidder shall be done on the basis of feedback from Customers. Past performance experience at Tata Power and its Group Companies shall supersede feedback from other Customers.)	As per tender
2	Common	Page No. 7 Sub Clause B(1) of Clause 2 - Pre- Qualification Criteria	Turnover of 3 last FY's - FY 2022-23, FY 2023-24 & FY 2024-25 could also be considered.	As per tender
3	Common	Pg 6, Sub Clause A(2) of Clause 2.0 Pre - Qualification Criteria	Rs. 20 Cr value of work orders executed will also be reduced to Rs. 4 Cr in a similar way as turnover criteria is relaxed as per Odisha MSME's preferential norms.	Yes. This is as per preferential norms for Odisha MSME BA's.
Sl. No.	Common/ DISCOM	Tender Reference (Document name/Page no./Clause no./Clause name)	Pre-Bid Query raised by Bidder	TP Odisha DISCOM Response
1	Common		Kindly Clarify in which category of skill, helpers to be considered.	HR/IR to respond

2	Common		As regards the fuel allowance for two-wheelers, it is observed that neither the number of vehicles nor the underlying principle for calculation has been specified. Kindly clarify on what basis the amount is determined and how many two-wheelers are considered for the allowance.	For MOC operations, the number of two-wheelers along with fuel provisions has been specified in the tender document. For all other AMC operations, the bidder shall arrange for staff movement at its own cost. No additional cost implication shall be admissible. Kindly refer to the relevant provisions in the tender document.
3	Common	TPCODL, 11kv amc sow, page 2, point II	The deployed BA workforce will perform tree trimming activities. However, BA shall deploy specialised manpower for cutting big trees including coconut trees/palm/ bamboo etc without any additional cost implication to TPCODL. At the vendor's new location, it is extremely difficult to access large trees within the cluster. Kindly clarify whether this activity will be covered under the AMC fixed charges or if a separate Rate Contract (RC) will be provided.	This scope is to be included in the bidder's quoted AMC fixed Charges.
4	Common	L1, L2 & L3 TRAINING	Kindly make a fixed amount for the training cost of the year.	As per Clause No 5.4.2 of BASCC R08; BA covers the cost of conveyance, food, salaries/wages, boarding, and lodging for their staff. Training charges are waived off for Odisha Discom.
5	Common	T&P and Equipments	Kindly Specify the approved "makes" for all DISCOMs to ensure uniformity and minimize material rejections from the client side."	The Major T&P items, PPEs are standardised & mentioned in tender document. However some T&P items are Discom specific. BA need to consider the Discom wise T&P, PPEs as mentioned in the Tender document.
6	Common	Driver Commercial Licence	Kindly clarify the same.	Operators for equipment such as cranes, hydras, and loading/unloading machinery shall hold a valid commercial driving licenses.
7	TPCODL	(TPCODL, 11kv It scope of work, page 17(Point J))	The monthly rent of fuse call camp shall be limited up to Rs. 1500 for rural areas & Rs. 2500 for urban areas. (The list of such Fuse Call Centre shall be provided by TPCODL). The same shall be paid to the BA as per approved Rate in RC. Kindly clarify how TPCODL will provide rent reimbursement to the BA, as there is no line item specified in the vision bid. Should it be considered?	Setting up of Fuse Call Camp is not in scope for TPCODL. BA shall maintain & up keep the Fuse Call Camp (BSK) & take care of the Mobile phone Set, Charger & prevent from damage by fixing Back Cover, Screen Guard etc.
8	TPSODL	(11kv Vehicle resources)	With reference to the mentioned vehicle list, please confirm whether the deployment of specific models such as Bolero, Tata Magic, or Crampers is mandatory, or if equivalent vehicles can be provided by the BA."	To be provided as per the Tender Requirement
9	TPSODL	11KV SOW page 36, Note .	Performance Parameters of DC Squad- 4% of the monthly invoice value shall be deducted as a penalty for below AT&C reduction and DC Squad team that fall in the category of "Below Expectation", and 8% of the monthly invoice value shall be deducted for not satisfactory. Kindly clarify whether the 4% or 8% deduction will be applied on the total monthly invoice value or only on the line items related to the DC Squad."	The 4% or 8% deduction will be applied on the total monthly invoice value for the line items related to the DC Squad."
10	TPSODL	11KV SOW page 39, Point 10	Calculation Formula for Deduction against the Absence of Manpower: TOTAL Deduction = No. of Man-days for deduction X (CTC (Basic+ VDA+ Bonus+ Leave Encashment+ Allowances+ Employer Contribution to EPF, ESI, LWF etc.+ GST) / 26). Kindly simplify the mentioned Calculation with example.	The Calculation details needs to be adhered as per the Tender. The details are clearly mentioned in the Tender
11	TPSODL	33kv Network Manpower	In the 33KV Resources 1 no's of EMR Skilled MP required. Kindly clarify the EMR Skilled MP qualification.	Qualification as per the Skilled Person Required. (He should have experience in PTR, VCB & CRP Maintenance)
12	TPSODL	Price Bid	Additional FCC Office Rent Charges (including Smart-Phone with Sim Card provided to FCC with per month Data Charges) at MC/NAC/Rural Area Along with motorcycle/bike Fuel charges for 3 Shifts. Kindly clarify whether this line item is applicable only during emergencies/natural calamities or on a regular monthly basis."	This line item is applicable as per the field requirement.
13	TPNODL	Manpower Resources sheet	In the Manpower Deployment sheet, CCE belongs to which category.	CCE to be considered under Skilled Category
14	TPNODL	(11kv amc sow, page 24, point 11 & 12)	Clearly mentioned BA shall provide Mobile phones to CCE, but upkeep mobile phones what TPNODL provide in PSS. Kindly clarify whether the provision of mobile phones at FCC/PSS falls under the scope of TATA Power."	All Mobile Phones (as per specification) for CCE / PSS Operator to be provided by Business Associate Only. Additionally, monthly Voice / Data charges for PSS Operators shall be borne by discom. For CCEs, monthly voice/data charges shall be borne by the BA.
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1	common	page no 6 2.0 Pre- Qualification Criteria The bidder should have experience in providing AMC services for LT, 11 kV and 33 kV system in any power distribution utility during last 4 years and should have executed cumulative contract with value equal to or more than Rs. 20 Cr. during last Four years.	We are Odisha MSME Unit and carrying out all types of MMG activities in Tata Power since 2020. We have commissioned and energised more than 80 D P Structures In 11kv and 33 kv in TPSODL. We are also carrying out overhead line work for New Service connection and disconnection. We have also installed more than 10000 DTR Meters. Sir can we qualify ?	Kindly refer Clause 1.1. Scope of Work, Odisha MSME Preferential Norms
2	common	Reservation for MSME: TP DISCOM shall procure at least 20% of the total volume of the procurement from MSME registered in the State of Odisha (however, it shall not apply where goods/services are not available with the MSME), subject to matching L1 discovered prices and meeting technical specifications including quality requirements	Can we be considered against MSME Quota?	Kindly refer Clause 1.1. Scope of Work, Odisha MSME Preferential Norms
Sl. No.	Tender Reference (Document name/Page no./Clause no./Clause name)		Pre-Bid Query raised by Bidder	TP Odisha DISCOM Response
1	Tender Document _14.3 Payment Terms (g)_Page19	Balance 10% payment shall be made based on above mentioned parameters.	How many days will the remaining 10% be released after fulfilling the SLA, Statutory Compliance & Other Requirements?	Payment shall be made within 30 days following verification and approval by the Engineer-in-Charge (EIC) of the DISCOM, subject to submission of all required documentation by the bidder.
2	Tender Document	-	There is no mention anywhere in the tender that how many national holidays, state holidays we have to give apart from salary, bonus, leave encashment & all other statutory compliances, please give clarity on this in the tender.	As per statutory provisions guidelines of govt of odisha, BA have to pay 4 National Holiday & 4 festival Holiday apart from wages, bonus, leave and other statutory benefits including gratuity / retrenchment as applicable (Festival Holidays for 2025 are Holi, Rath Yatra, Viswakarma Puja, Diwali) it is the sole liability of the contractor to pay gratuity to his workers and the principal employer would not be responsible for the same.
3	TPWODL - Annexure-III, Minimum Resource Deployment 11KV	Safety officer & divisional coordinator not mentioned manpower resources	Safety Officer and Divisional Coordinator, these are not mentioned in the manpower resource sheet, how to deploy them.	A detailed manpower sheet has been provided categorizing personnel as unskilled, skilled and highly skilled. Supervisors, divisional coordinators and safety officers are covered under the highly skilled category. Their deployment details along with linemen and helpers are included in the minimum resource deployment sheet.
4	TPWODL - Annexure-III, Minimum Resource Deployment 11KV	Pick Up with Driver	For how much time the pickup with driver has to be deployed 24 hrs. or 12 hrs and this has to be given on all days of the month	This vehicle shall be available 12 hours daily and must remain operational throughout the month.
5	TPWODL - Annexure-III, Minimum Resource Deployment 11KV	-	In the previous tender the pole master minimum requirements were mentioned but now it is not mentioned nor in the boq, so is there no need for pole master to erect the pole	Pole masters are to be deployed on call basis. Related BOQ line item for mid-pole erection is included.
6	TPWODL 11KV Scope of Work	DTR Replacement/swapping: Note: BA shall bear the entire cost of transportation including Hydra & installation required for replacement of burnt/faulty transformer by new/repaired transformer. BA will not be paid for this activity.	Please give details of how many transformers are changed in a month or year due to faulty & burnt so that we can calculate its cost in our bid	Division-wise DT failure data sheet is enclosed. Kindly note that actual DT failures may vary based on the maintenance practices undertaken under AMC in the respective division. It is advisable to adhere to a strict preventive maintenance schedule to minimize DT failures.

7	TPWODL 11KV Scope of Work	Vehicle (Mahindra Bolero Camper or equivalent) deployed shall have capacity to accommodate 5 passengers and minor loading of material and minimum 1 no. FRP Ladders in the backside and top carriage respectively. This is basic requirement in the nature of job handled by TPWODL.	Please also name the vehicle which can be considered as equivalent vehicle, and can we also take electric Tata Magic.	Electric vehicles are not recommended under this contract.
8	TPWODL - Annexure-III, Minimum Resource Deployment 33KV	Line Maintenance Team Testing Team Maintenance Team Tower Maintenance Team ManLifter Machine	The teams whose details and numbers are given, do they have to work 24x7? Please clarify how many people will be in the line maintenance team in one shift? Safety officer nos. & Division Coordinator nos. not mentioned.	The resources listed represent minimum deployment requirements for each division. As this is a performance-based contract, adequate staffing must be ensured to meet SLA timelines based on site-specific needs. One safety officer and one divisional coordinator shall be considered per division. The deployed team shall primarily work in the day shift or as required to comply with SLA requirements.
9	TPCODL-33KV Scope of work page no. 6	Note: For MOC PSS, BA must engage separate cleaner in each PSS for 4 hrs to attend above said activities	If MOC and cleaner are to be provided separately then what will be their number division wise, please give clarity.	This scope is to be included in the bidder's quoted price.
10	TPCODL-33KV Scope of work page no. 14	C. Proposed structure of minimum Manpower maintenance and breakdown tasks	The teams whose details and numbers are given, do they have to work 24x7? Please clarify how many people will be in the line maintenance team in one shift?	Indicative Manpower requirement is mentioned in the Tender document. Deployment/ Mobilization details shall be shared during tender execution
11	TPCODL-33 KV T&P TPCODL(Annexure-D)	-	A list of tools is given according to the vehicle, but there is no description of what tools & Mobile phone are to be given to the PSS operator.	All details of T&P mentioned in Tender Documents. Mobile phone sets shall initially be provided by discom in the beginning however BA shall ensure proper upkeep & shall be liable for replacement in case of damage of mobile phones
12	TPCODL 11 kv_LT AMC BA SoW page no. 5	ii. Replacement of faulty/burnt transformer - BA shall perform replacement of burnt / faulty DTR. For this activity No additional payment	Please give details of how many transformers are changed in a month or year due to faulty & burnt so that we can calculate its cost in our bid	Replacement costs for DTRs that fail due to inadequate maintenance shall be borne by the Business Associate without any additional cost to the DISCOM. In cases of failure not attributable to the BA or due to events such as Kalbaisakhi or cyclones, replacement costs shall be paid as per unit rates after due approval. The details are mentioned in Tender Documents.
13	TPCODL 11 kv_LT AMC BA SoW page no. 7	ii. Replacement of tilted/broken poles and accessories along with painting of GIS number. Transportation of pole (from any site to work location within same division) will be in scope of BA	Please give details division wise of how many Pole are Replaced in a month or year due to faulty & burnt so that we can calculate its cost in our bid.	Replacement of tilted/broken poles and accessories along with painting of GIS number, Transportation of pole (from any site to work location within same division) will be in scope of BA. All these replacement activities shall be done without any additional cost implication to Discom. In cases of pole or network damage due to cyclones, inclement weather or vehicle impact, the BA shall be compensated for equipment usage (Pole Master, Hydra, Tempo) as per unit rates after approval from the EIC. The details are mentioned in the Tender Documents.
14	TPNODL 33 kv AMC AMC Scope_PSS_SSO_Fdr_SLA TPNODL	D. Manpower Requirement: MOC	MOC Manpower Sheet not clear to how many nos. of manpower to provide.	The revised 33 kv manpower sheet has been shared. No additional manpower deployment is required for MOC.
15	TPNODL 33 kv AMC AMC Scope_PSS_SSO_Fdr_SLA TPNODL	D. Manpower Requirement: Annexure-1 33KV Feeder Manpower	The teams whose details and numbers are given, do they have to work 24x7? Please clarify how many people will be in the 33 kv Line Maintenance in one shift?	Manpower shall be deployed in a single shift. A combined breakdown team for 33 kv and 11 kv shall be deployed during the night shift and is already included in the 11 kv manpower list.
16	TPNODL 33 kv AMC AMC Scope_PSS_SSO_Fdr_SLA TPNODL page no. 18	2) BA shall ensure availability of minimum 1 certified welder in each division and 1 painter, 1 Oil Filter machine operator in each cluster as per above requirement.(Including the above manpower)	The various skilled manpower required is included in the PSS maintenance team in the manpower list ?	No additional manpower is required. The same has already been considered under the 33 kv AMC manpower. The revised sheet has been shared.
17	TPNODL 33 kv AMC AMC Scope_PSS_SSO_Fdr_SLA TPNODL page no. 18	Vehicle requirement:	As per the tender document, 10 year old vehicle is allowed but in the scope of work it is written 5 years. Please give clarity in this.	The age of the vehicle should not exceed 10 years. All statutory compliance requirements, as outlined in the contract, must be met.
18	TPNODL 11 kv_LT AMC BA SoW page no. 6	Note: BA shall bear the entire cost of transportation & installation required for replacement of burnt/faulty transformer by new/repared transformer. BA will not be paid for this activity.	Please give details of how many transformers are changed in a month or year due to faulty & burnt so that we can calculate its cost in our bid	This shall be as per actuals as per scope of work. However, Loading & Unloading Cost can be given as an additional line items as per RC rate
19	TPNODL 11 kv_LT AMC BA SoW page no. 7	ii. Replacement of tilted/broken poles and accessories along with painting of GIS number. Transportation of pole (from any site to work location within same division) will be in scope of BA	Please give details division wise of how many Pole are Replaced in a month or year due to faulty & burnt so that we can calculate its cost in our bid.	This shall be as per actuals as per scope of work. However, Loading & Unloading Cost can be given as an additional line items as per RC rate
20	TPNODL 11 kv_LT AMC BA SoW page no. 9	10. Repair the faulty cable of size 95 mm2 & below. This includes digging, jointing & refilling work for repairing the faulty UG cable.	If jointer activity is involved in cable repairing then we will have to provide jointer also.	Yes. For cable sizes below 95 sq.mm, the BA shall provide the jointer. For sizes above 95 sq.mm, Discom shall arrange the jointer.
21	TPNODL 11 kv_LT AMC BA SoW page no. 9	19. Meter Installation against new connection, burnt/faulty meter in rural divisions with or without service cable. 20. Meter shifting of consumers in rural divisions with or without service line. 21. Replacement/Augmentation of Service cable with or without meter in rural divisions.	Do we need to provide separate manpower for this work or will the existing manpower structure do the work?	No additional manpower is required. Existing resources shall be utilised.
22	TPSODL 33 KV NETWORK (AMC +PSS) Manpower+ Vehicle +Tool & PPE	Safety officer & divisional coordinator not mentioned manpower resources	The teams whose details and numbers are given, do they have to work 24x7? Please clarify how many people will be in the 33 kv Line Maintenance in one shift?	1. Please consider High skilled manpower as Supervisor. 2. Safety engineer has all ready mention in manpower list. 3. Indicative Manpower requirement is mentioned in the Tender document. Deployment/ Mobilization details shall be shared during tender execution
23	TPSODL 33 KV NETWORK (AMC +PSS) Manpower+ Vehicle +Tool & PPE	11KV AMC Manpower	11KV Manpower List is missing	Please refer the doc as shared through Ariba. Details are there as per annexure
Sl. No.	Tender Reference (Document name/Page no./Clause no./Clause name)	Tender Reference (Document name/Page no./Clause no./Clause name)	Pre-Bid Query raised by Bidder	TP Odisha DISCOM Response
1	TPCODL	Man Power	We are currently working in the Khordha and Pur Electrical Divisions. In the existing tender, the manpower is 356 in KED and 304 in PED. But in the new tender, it has been reduced to 296 in KED and 272 in PED. Even the existing manpower was not enough to manage 3-shift (8 Hr.) duty. So, with less manpower, it will be very difficult to manage the work properly. We request that the manpower be increased in the new tender. Also, we want to mention that if the existing staffs are not sufficient, it will be best to manage and employ them.	This tender pertains to performance-based AMC for 33 kv, 11 kv, LT, and PSS operations. The bidder shall deploy the minimum manpower as indicated. Additional deployment, if required to meet SLA timelines and performance standards, shall be arranged by the bidder without any additional financial implication.
2	TPCODL	Approval for Divisional Co-ordinators and MIS Operators	We had already deployed One Divisional Co-ordinator & One MIS Operator for each Division to help TPCODL for O&M work, but in existing RC they were not approved by TPCODL, so please approve them in this Tender.	This tender pertains to performance-based AMC for 33 kv, 11 kv, LT, and PSS operations. The bidder shall deploy the minimum manpower as indicated. Additional deployment, if required to meet SLA timelines and performance standards, shall be arranged by the bidder without any additional financial implication.
3	TPCODL	HELPERS WAGES	All the Helpers are engaged to assist the Lineman, So as per the Labour Commissioner they will pay Semiskilled wages. So allow to quote the Helper wages in Semiskilled.	In AMC Contract, Helper Category will be adhered to as per the Minimum Wages Notification prevailing in the state for all category of workman. If helpers pass the Competency test, then he will be paid Semi Skilled. Else, he will continue to be unskilled.
4	TPCODL	VDA	In every 6 months VDA will implement, so please clarify how much percentage(%) we will add when preparing the Price Bid.	Tender Terms & conditions shall prevail. VDA shall be considered as per the part of quoted/ awarded cost.
Sl. No.	Common/ DISCOM	Tender Reference (Document name/Page no./Clause no./Clause name)	Pre-Bid Query raised by Bidder	TP Odisha DISCOM Response

1	TPCODL/TPWODL/TPNODL/TPSODL	Page No - 06, Clause No- 2.0 Pre- Qualification Criteria SL No- A 2 Technical Experience. The bidder should have experience in providing AMC services for LT, 11 kV and 33 kV system in any power distribution utility during last 4 years and should have executed cumulative contract with value equal to or more than Rs. 20 Cr. during last Four years.	Request to consider Pre- Qualification criteria as, The bidder should have experience in providing AMC services for LT, 11 kV and 33 kV system in any power distribution utility during last 4 years or should have executed cumulative contract with value equal to or more than Rs. 20 Cr. during last Four years.	Tender terms & Conditions shall prevail
2	TPCODL/TPWODL/TPNODL/TPSODL	Page No - 06, Clause No- 2.0 Pre- Qualification Criteria SL No- A 1 Performance. Bidder should have Performance Certificate for at least two years satisfactory performance from minimum 1 reputed utility for above and similar works. In case bidder is already associated with TP DISCOMs, Part –II (as per annexure-II of tender) shall be applicable against this clause.	Bidder should have Performance Certificate for at least one year satisfactory performance from minimum 1 reputed utility for above and similar works.	Tender terms & Conditions shall prevail
3	TPCODL	Annexure- I Price Schedule not available in the tender Document	Please Provide Annexure- I Price Schedule	Tender terms & Conditions shall prevail
4	TPCODL	Corrigendum Annexure	Under TPCODL tender site Corrigendum Annexure is not opening. Request to upload Annexure again for details.	Please refer all the docs shared through Ariba
Sl. No.	Common/ DISCOM	Tender Reference (Document name/Page no./Clause no./Clause name)	Pre-Bid Query raised by Bidder	TP Odisha DISCOM Response
1	common	Tender Document/Page no.7/clause no. 2.0/B/ Financial Pre-Qualification Requirement/point no.1/Commercial Capability.	1. We are already Odisha MSME Registered Company and also Work in GRC tender and our Financial Turnover Fy 21-22- 2.37 Cr. , FY 22-23-6.33 Cr., FY 23-24-6.33 Cr., Total Turnover for last 3 years-5.01 Cr. as per tender term and condition are we financial qualified for the Tender. 2. please consider Financial Turnover Fy 24-25- 8.78 Cr.	Kindly refer Clause 1.1. Scope of Work, Odisha MSME Preferential Norms
2	Common	Tender Document/Page no.6/clause no. 2.0/A/ Pre Technical Qualification Requirement/point no.2/Technical experience.	Respected Sir, kindly consider the Technical Clause related to Experience. Ref.attached for your perusal Ref.1 Tender no: TPCODL/CCG/23-24/009: Page no. 8, Clause - Business Associates, who are currently engaged in 33 KV Network AMC or 11KV/ LT Network AMC or 33/11 KV Substation Operation Assistance or 33 KV/ 11 kV Project Services contract at Odisha DISCOMs, the incumbent BAs may be considered for qualification subject to satisfactory performance in the existing contracts at individual Odisha DISCOMs. Ref.2 :- Point no. 1.7 Qualification Criteria Points No-B ,Clause Bidder should have executed maintenance / installation of 11 KV or LT network in any utility for a cumulative value of 10 Cr. in last three years. Copy of work order / completion certificate to be submitted in this regard. NIT No.: TPDDU/ENGG/ENQ/200001604/23-24 (MAINTENANCE CONTRACT FOR LT & HT NETWORK IN DIFFERENT ZONES OF TATA POWER DDL)	Tender Terms & conditions shall prevail
3	Common	Tender Document/Page no.6/clause no. 2.0/A/ Pre Technical Qualification Requirement/point no.2/Technical experience.	We had Executed AMC Work in CESC (RPG Group) as A sub contractor, Kindly consider our Experience, and allow us to participate in Tender.	Tender Terms & conditions are clear. The same shall prevail.
Sl. No.	Common/ DISCOM	Tender Reference (Document name/Page no./Clause no./Clause name)	Pre-Bid Query raised by Bidder	TP Odisha DISCOM Response
1	TPSODL		Manpower working above 8 hrs, can we raise invoice for the extra hour work ?	This tender pertains to performance-based AMC for 33 kV, 11 kV, LT, and PSS operations. The bidder shall deploy the minimum manpower as indicated. Additional deployment, if required to meet SLA timelines and performance standards, shall be arranged by the bidder without any additional financial implication.
2	TPSODL		How to identify or define Manpower designation i.s. semi-skilled ?	In AMC Contract, Helper Category will be adhered to as per the Minimum Wages Notification prevailing in the state for all category of workman. If helpers pass the Competency test , then he will be paid Semi Skilled. Else, he will continue to be unskilled.
3	TPSODL		Is it compulsory to participate in all discoms or can we participate only one or two discoms along with all lots & cluster ?	The tender document specifies that bidders may participate in one or more DISCOMs. However, participation in all lots of a selected DISCOM is mandatory. Bids not complying with this requirement are liable for disqualification.
4	TPSODL	Page No. 22 (Part- I) Technical Evaluation	As we are existing BA & ongoing contract. Shall we have to produce Performance certificate or it will evaluate from your side ?	Tender terms & conditions shall prevail. Part-II evaluation criteria shall be applicable to existing bidders, with a minimum qualifying score of 60%.
5	TPSODL	Page No. 22 (Part- I) Technical Evaluation	As we are existing BA & ongoing contract. Shall we have to produce Technical Experience certificate or it will evaluate from your side ?	Yes. Tender terms & conditions shall prevail.
6	TPSODL	Page No. 22 (Part- II) Internal User Feedback	SLA & Statutory norms feedback shall be produced by BA or evaluated from your side ?	This shall be evaluated internally based on actual compliance submitted by the BA.
S No.	Common/ DISCOM	Tender Reference (Document name/Page no./Clause no./Clause name)	Pre-Bid Query raised by Bidder	TP Odisha DISCOM Response
1	Common	General	The approved make of equipment/T&P/PPE should be common to all in four DISCOMS	While major T&P items and PPEs are standardized and listed in the tender document, certain items are specific to individual DISCOMs. Kindly refer to the DISCOM-wise requirements as mentioned in the tender.
2	Common	T&P List- 11kV AMC	Please specify the vehicle on which equipment/T&P/PPE has to be provided as there are different type of vehicles in AMC and DC.	The details are mentioned in Tender Document
3	TPSODL	TPSDOL- Specification Multifunctional FRP Discharge Rod 6 Mtr (002)	Multifunction discharge rod 6 meter long with triangular type design for 33 KV having 5 sections and collapsible 1.6-1.8 meter. We searched in the market but did not found this type of discharge rod, kindly provide name of manufacturer with drawing and sample.	Specification for Multifunction discharge rod has been attached herewith. We are procuring the Beimco, Taurus make. Any other make meeting to the specification are also acceptable.
4	Common	T&P List- 11kV AMC, page no. 1, Line item no. 7	Safety Brass chain for shorting was discontinued few months back by Management (TPSODL), kindly confirm.	Taking inputs from the action points from various campaigns, brass chain for shorting is still in use at TPSODL, therefore it should be provisioned accordingly for TPSODL.
5	Common	Annexure-1, line item "Hiring charges of Tractor per Day ", "Hiring charges of Tempo/ Pick-Up Vehicle per Day" AND "Hiring of Boat capable to carry 5 people / 450 kg weight, with safety jackets & lifeguard" and so on in all DISCOMS price bid	Service charges of some vehicles in Annexure-I of Price bid are given above 50KM/Day. Please confirm is for entire day or per shift of 8 hours. Also please confirm when it is mentioned for per day it is for 24 hours or for 8 hours/shift. It should be clearly mentioned with time period.	These Line items will be 8 Hours Per Day.
6	Common	Annexure-1, line item "Major tree trimming (Forest /Major tree)"	Major Tree trimming (forest area) the unit is in KM, it should be per tree or per day/shift of 8 hours along with the number of manpower to be deployed/team.	Please quote as per tender BOQ.

7	Common	Main tender page no. 19, 14.3 Payment Terms	There should be a time line (within 30 days after raising the tax invoice subjected to monthly compliance submission by vendors before stipulated time) to release the Retention amount against our AMC's invoice. As per our previous experience retention amount released after a long time which cause a fund crises for vendors	Payment shall be made within 30 days following verification and approval by the Engineer-in-Charge (EIC) of the DISCOM, subject to submission of all required documentation by the bidder.
8	Common	General	You are requested to please confirm whether BOCW is applicable on O&M work as one of your DISCOM is deducting BOCW from our AMC's tax invoices	BOCW is applicable as per law and BA has to take registration for the same.
9	Common	Annexure VII (A) - SOW SLA for 11kV AMC, page no. 31. B. Performance Measurement, Vehicle compliance --vi) Unavailability of a Commercial license vehicle	Kindly permit Non commercial License for the drivers to drive Passenger comm. vehicle as commercial license is compulsory only for HMV commercial vehicles	Operators for equipment such as cranes, hydras, and loading/unloading machinery shall hold a valid commercial driving licenses.
10	Common	4. GENERAL SAFETY CONDITIONS REQUIRED TO BE FULFILLED BY BUSINESS ASSOCIATES --Please note that hydra cranes used by any dept should be ACE Model No. FX 150 ACE SX 150, Escorts Model No. TRX 1550 or contemporary. Use of old generation hydra cranes like ACE 14XW or ACE 12 XW, etc are prohibited.	We will try our best to use new generation crane at site if they are easily available at the location on the other hand old generation crane may be allowed to complete the job	Tender Terms & Conditions shall prevail.
11	TPSODL	33 KV NETWORK (AMC +PSS) Manpower+ Vehicle +Tool & PPE, page no. 1	Kindly make it clear ** (For additional PSS manpower will allotted form variable items) written as note on the bottom of sheet	Engaging of manpower for additional PSS will be decided by TPSODL . As per requirement, MOC (With existing manpower) or additional manpower will be engaged. The final decision shall be taken by TPSODL as per the management directives.
Sl. No.	Common/ DISCOM	Tender Reference (Document name/Page no./Clause no./Clause name)	Pre-Bid Query raised by Bidder	TP Odisha DISCOM Response
1	TPCODL	33 KV AMC SCOPE/Page no. 12/Clause no. B/Clause name A. PSS Upkeep and cleaning	Cleaning of control room including mopping of floor, and cleaning of washroom -Will be in scope of Existing Manpower or extra manpower will be hired for Cleaning of Washroom and mopping of floors. Kindly clarify	The details are mentioned in the Tender Document
2	Common	Tender Document/Page no. 6/Clause no. 2.0(Pre Qualification criteria/Clause no. -Technical Experience	Bidder should have executed cumulative contract with value equal to or more than Rs. 20 Cr. during last Four years. It will be Become 20% of Existing Cumulative contract for MSME odisha registered or it may firm 20 Cr.	Tender Terms & Conditions shall prevail.
3	Common	Tender Document/Page no. 18/Clause no. 14.3 (Payment terms/Clause no. -G	Kindly bound the timelines for 10% Retention of monthly inv	Payment shall be made within 30 days following verification and approval by the Engineer-in-Charge (EIC) of the DISCOM, subject to submission of all required documentation by the bidder.
4	TPNODL	33 KV AMC Scope/Page no. 18/Clause no. C/Proposed Structure of manpower and vehicles/ii/2	Certified Welder in each division and 1 painter, 1 oil filter machine operator in Each cluster in scope of Existing manpower or they will hired separately kindly clarify.	No additional manpower is required. The same has already been considered under the 33 kV AMC manpower. The revised sheet has been shared.
5	TPNODL	33 KV AMC Scope/Page no. 18/Clause no. C/Proposed Structure of manpower and vehicles/iii(Vehicle requirement)	kindly clarify aging of Deployed vehicles in General Document 10 years has already mentioned where in this 5 Years mentioned kindly clarify	The age of the vehicle should not exceed 10 years. All statutory compliance requirements, as outlined in the contract, must be met.
6	TPWODL	33 KV AMC Scope/Page no.14/Clause no.-G(tool list for line maintenance team)/Clause name-61 (Thermography Camera)	kindly specify the Specification of Thermography Camera	Please consider Pocket Thermography camera Make HIKMICRO model no. Pocket-2 or equivalent.
7	Common	General Requirement	kindly Share the Manpower list include MOC of all discoms for 33 KV Work discom wise.	Indicative Manpower requirement is mentioned in the Tender document. Deployment/ Mobilization details shall be shared during tender execution

ANNEXURE-III

Minimum Resource Deployment Cluster Wise (Manpower and Vehicle Requirement)- 11 kV

Circle	Cluster	Division	Subdivision	Section	Unskilled	Skilled	Highly Skilled
Sambalpur	1	BED-BRAJRAJNAGAR	2	7	64	70	11
Sambalpur		DED-Deogarh	1	5	65	67	11
Sambalpur		JED-Jharsuguda	3	14	170	183	26
Sambalpur	2	SED-Sambalpur	4	16	121	140	19
Sambalpur		SEED-SAMBALPUR(E)	4	15	169	186	25
Rourkela	3	RED-ROURKELA	4	13	144	160	21
Rourkela		RSED-ROURKELA SADAR	3	11	115	129	17
Rourkela	4	RGP-RAJGANGPUR	4	11	110	125	17
Rourkela		SED-SUNDERGARH	2	10	114	123	17
Bargarh	5	BED-BARGARH	5	17	174	214	27
Bargarh		BWED-BARGARH	4	14	151	176	28
Kalahandi	6	BED-BOLANGIR	4	12	156	173	23
Kalahandi		SED-SONEPUR	3	10	141	144	23
Bolangir	7	TED-TITILAGARH	4	13	193	184	27
Kalahandi		NED-NUAPADA	3	9	140	152	21
Kalahandi	8	KEED-KALAHANDI	4	13	131	141	22
Kalahandi		KWED-KALAHANDI	3	11	154	120	18
Total			57	201	2312	2487	353
Cummulative			57	201	5152		

<i>Circle</i>	<i>Cluster</i>	<i>Division</i>	<i>Lineman</i>	<i>Helper</i>	<i>Supervisor</i>	<i>Divisional Co-ordinator</i>	<i>Safety Co-ordinator</i>	<i>Telephone Operator</i>
Total			2313	2312	312	17	24	174
<i>Sambalpur</i>	1	<i>JED-Jharsuguda</i>	<i>171</i>	<i>170</i>	<i>23</i>	<i>1</i>	<i>2</i>	<i>12</i>
<i>Sambalpur</i>		<i>BED-BRAJRAJNAGAR</i>	<i>64</i>	<i>64</i>	<i>9</i>	<i>1</i>	<i>1</i>	<i>6</i>
<i>Sambalpur</i>		<i>DED-Deogarh</i>	<i>64</i>	<i>65</i>	<i>9</i>	<i>1</i>	<i>1</i>	<i>3</i>
<i>Sambalpur</i>	2	<i>SED-Sambalpur</i>	<i>124</i>	<i>121</i>	<i>17</i>	<i>1</i>	<i>1</i>	<i>16</i>
<i>Sambalpur</i>		<i>SEED-SAMBALPUR(E)</i>	<i>174</i>	<i>169</i>	<i>23</i>	<i>1</i>	<i>1</i>	<i>12</i>
<i>Rourkela</i>	3	<i>RED-ROURKELA</i>	<i>113</i>	<i>115</i>	<i>15</i>	<i>1</i>	<i>1</i>	<i>16</i>
<i>Rourkela</i>		<i>RSED-ROURKELA SADAR</i>	<i>113</i>	<i>110</i>	<i>14</i>	<i>1</i>	<i>2</i>	<i>12</i>
<i>Rourkela</i>	4	<i>RGP-RAJGANGPUR</i>	<i>148</i>	<i>144</i>	<i>18</i>	<i>1</i>	<i>2</i>	<i>12</i>
<i>Rourkela</i>		<i>SED-SUNDERGARH</i>	<i>117</i>	<i>114</i>	<i>15</i>	<i>1</i>	<i>1</i>	<i>6</i>
<i>Bargarh</i>	5	<i>BED-BARGARH</i>	<i>198</i>	<i>174</i>	<i>24</i>	<i>1</i>	<i>2</i>	<i>16</i>
<i>Bargarh</i>		<i>BWED-BARGARH</i>	<i>160</i>	<i>151</i>	<i>25</i>	<i>1</i>	<i>2</i>	<i>16</i>
<i>Kalahandi</i>	6	<i>BED-BOLANGIR</i>	<i>162</i>	<i>156</i>	<i>21</i>	<i>1</i>	<i>1</i>	<i>11</i>
<i>Kalahandi</i>		<i>SED-SONEPUR</i>	<i>138</i>	<i>141</i>	<i>20</i>	<i>1</i>	<i>2</i>	<i>6</i>
<i>Bolangir</i>	7	<i>KEED-KALAHANDI</i>	<i>144</i>	<i>140</i>	<i>19</i>	<i>1</i>	<i>1</i>	<i>8</i>
<i>Kalahandi</i>		<i>KWED-KALAHANDI</i>	<i>135</i>	<i>131</i>	<i>20</i>	<i>1</i>	<i>1</i>	<i>6</i>
<i>Kalahandi</i>	8	<i>TED-TITILAGARH</i>	<i>174</i>	<i>193</i>	<i>24</i>	<i>1</i>	<i>2</i>	<i>10</i>
<i>Kalahandi</i>		<i>NED-NUAPADA</i>	<i>114</i>	<i>154</i>	<i>16</i>	<i>1</i>	<i>1</i>	<i>6</i>

MINIMUM VEHICLE DEPLOYEMENT							
Circle	Cluster	Division	Subdivision	Section	12 hr Vehicle	24hr Vehicle	Pick Up with Driver
Sambalpur	1	BED-BRAJRAJNAGAR	2	7	6	4	2
Sambalpur		DED-Deogarh	1	5	5	2	1
Sambalpur		JED-Jharsuguda	3	14	6	9	3
Sambalpur	2	SED-Sambalpur	4	16	10	8	1
Sambalpur		SEED-SAMBALPUR(E)	4	15	16	6	1
Rourkela	3	RED-ROURKELA	4	13	9	9	2
Rourkela		RSED-ROURKELA SADAR	3	11	10	5	2
Rourkela	4	RGP-RAJGANGPUR	4	11	11	4	2
Rourkela		SED-SUNDERGARH	2	10	10	2	2
Bargarh	5	BED-BARGARH	5	17	23	3	2
Bargarh		BWED-BARGARH	4	14	19	4	2
Kalahandi	6	BED-BOLANGIR	4	12	15	4	1
Kalahandi		SED-SONEPUR	3	10	11	4	1
Bolangir	7	TED-TITILAGARH	4	13	18	2	2
Kalahandi		NED-NUAPADA	3	9	13	4	2
Kalahandi	8	KEED-KALAHANDI	4	13	17	0	2
Kalahandi		KWED-KALAHANDI	3	11	16	0	2
Total			57	201	215	70	30

CLUSTER-WISE VILLAGES AND EXTRA LADDER REQUIREMENT

<i>Circle</i>	<i>Cluster</i>	<i>Division</i>	<i>GP</i>	<i>Village</i>	<i>TOTAL LADDER REQUIREMENT</i>
<i>Sambalpur</i>	<i>1</i>	<i>BED-BRAJRAJNAGAR</i>	<i>38</i>	<i>152</i>	<i>100</i>
<i>Sambalpur</i>		<i>DED-Deogarh</i>	<i>70</i>	<i>774</i>	<i>217</i>
<i>Sambalpur</i>		<i>JED-Jharsuguda</i>	<i>94</i>	<i>370</i>	<i>202</i>
<i>Sambalpur</i>	<i>2</i>	<i>SED-Sambalpur</i>	<i>8</i>	<i>400</i>	<i>50</i>
<i>Sambalpur</i>		<i>SEED-SAMBALPUR(E)</i>	<i>90</i>	<i>1200</i>	<i>335</i>
<i>Rourkela</i>	<i>3</i>	<i>RED-ROURKELA</i>	<i>14</i>	<i>69</i>	<i>85</i>
<i>Rourkela</i>		<i>RSED-ROURKELA SADAR</i>	<i>60</i>	<i>485</i>	<i>245</i>
<i>Rourkela</i>	<i>4</i>	<i>RGP-RAJGANGPUR</i>	<i>64</i>	<i>478</i>	<i>189</i>
<i>Rourkela</i>		<i>SED-SUNDERGARH</i>	<i>97</i>	<i>591</i>	<i>210</i>
<i>Bargarh</i>	<i>5</i>	<i>BED-BARGARH</i>	<i>130</i>	<i>400</i>	<i>190</i>
<i>Bargarh</i>		<i>BWED-BARGARH</i>	<i>160</i>	<i>850</i>	<i>300</i>
<i>Kalahandi</i>	<i>6</i>	<i>BED-BOLANGIR</i>	<i>220</i>	<i>400</i>	<i>255</i>
<i>Kalahandi</i>		<i>SED-SONEPUR</i>	<i>102</i>	<i>865</i>	<i>218</i>
<i>Bolangir</i>	<i>7</i>	<i>TED-TITILAGARH</i>	<i>97</i>	<i>1090</i>	<i>620</i>
<i>Kalahandi</i>		<i>NED-NUAPADA</i>	<i>131</i>	<i>631</i>	<i>340</i>
<i>Kalahandi</i>	<i>8</i>	<i>KEED-KALAHANDI</i>	<i>158</i>	<i>1255</i>	<i>600</i>
<i>Kalahandi</i>		<i>KWED-KALAHANDI</i>	<i>156</i>	<i>1000</i>	<i>280</i>
		TPWODL	1689	11010	4436

Total DTs failure in FY 24-25													
Division	10 KVA	16 KVA	25 KVA	50 KVA	63 KVA	100 KVA	200KVA	250 KVA	315 KVA	500 KVA	630 KVA	TOTAL	Total KVA failed KVA
BED,BARGARH	2	11	116	0	53	60	3	4	3	0	0	252	14980
BWED,BARGARH	2	6	121	0	52	49	1	4	1	2	0	238	13832
	4	17	237	0	105	109	4	8	4	2	0	490	28812
BNED,SAMBALPUR	3	9	34	0	21	15	0	0	0	0	0	82	3847
DED,SAMBALPUR	10	8	39	0	6	14	0	0	0	0	0	77	2981
JED,SAMBALPUR	14	23	88	0	25	27	0	3	2	0	0	182	8363
SED,SAMBALPUR	0	4	9	0	4	24	0	2	1	1	0	45	4256
SEED,SAMBALPUR	22	47	71	0	14	27	0	5	0	3	0	189	9079
	49	91	241	0	70	107	0	10	3	4	0	575	28526
KEED,KALAHANDI	16	13	50	0	24	34	0	1	1	2	0	141	8095
KWED,KALAHANDI	9	16	37	0	21	11	0	1	0	0	0	95	3944
NED,KALAHANDI	2	9	108	0	25	28	0	0	0	0	0	172	7239
	27	38	195	0	70	73	0	2	1	2	0	408	19278
BED,BOLANGIR	5	16	38	1	18	29	1	3	1	1	0	113	7105
SED,BOLANGIR	2	14	58	0	39	30	0	1	2	0	0	146	8031
TED,BOLANGIR	14	23	99	0	54	36	0	2	2	2	0	232	12115
	21	53	195	1	111	95	1	6	5	3	0	491	27251
RGP,ROURKELA	1	38	123	0	14	24	0	0	0	0	0	200	6975
RED,ROURKELA	0	0	1	0	2	0	0	3	0	1	1	8	2031
RSED,ROURKELA	0	21	52	0	7	18	0	2	0	0	0	100	4377
SED,ROURKELA	0	23	130	0	17	23	0	0	0	1	0	194	7489
	1	82	306	0	40	65	0	5	0	2	1	502	20872
Grand Total	102	281	1174	1	396	449	5	31	13	13	1	2466	124739

ANNEXURE: S: Recommended makes of PERSONAL PROTECTIVE EQUIPMENT*#: For any other makes, approval of Head-Safety of respective DISCOM is mandatory.*

Sr	Name of PPE	Make
1	Leather Safety Shoes (Color –Black) with Composite toe cap.	Highlife, Karam, ACME,Bata, Liberty
2	HDPE Safety helmet (Class E) with chin strap and ratchet type for adjustment.	Udyogi, Karam, Heapro,ACME
3	Full body harness Class P (Safety belt with Double Lanyard with Shock-Absorber & Pole Grab Arrestor(Work positioning lanyard)	Udyogi, Karam, Abrigo,MSA
4	11kV(Class 2), 33kV (Class-4) Electrical Safety Gloves – Composite type Soft electrical gloves as per the size of the individual. (EN/ISI Approved Mark)	Jayco, Raychem, M N Rubber
5	500V (Class 00) Electrical Safety Gloves – Composite type Soft electrical gloves as per the size- Same for full sleeve gloves	Jayco, Raychem, M N Rubber
6	Full-face visor	Udyogi, Karam, Abrigo,
7	FR (Fire-Resistance 8 cal/Sq mm) jacket for chest protection with Reflective strip	Arvind, Tara Lohia, Udyogi
8	Reflective Jacket	Reflecto, Udyogi, Abrigo
9	Hand Gloves Cotton (PU Coated)	Udyogi, Frontier, Leslico
10	Safety Goggles	Karam, 3M, Leslico, Abrigo
11	Welding PPE's (FR Apron, Neck Hood) Hand Sleeve, Shoe Guard, Nose Mask & Welding Hand Gloves)	3M, Honeywell, ESSAB
12	Safety Gum Boots (14 Inch)	Bata, Udyogi, ACME
13	Helmet-Mounted Welding Face Shield	Udyogi, Karam
14	Portable Voltage Detector as Helmet Attachment	Honeywell, JARS

	TP SOUTHERN ODISHA DISTRIBUTION LIMITED, BERHAMPUR		
	TECHNICAL SPECIFICATION		
Doc. Title	Specification for Multifunctional FRP Discharge Rod		
Doc. No	ENG-GEN-Multifunctional FRP Discharge Rod	Eff. Date: 14/07/2023	
Rev. No	00	Page 1 of 7	
Prepared by: Jyoti Ranjan Sahu	Reviewed by: Shailendra Kumar Jaiswal	Approved By Shirish Sharad Dikay	Issued By: Dnyaneshwar Ramchandra Dharmadhikari

1. SCOPE:

This specification covers technical requirements of design, manufacture, construction, performance, testing at manufacturer's works, packing, forwarding, supply and unloading of Multifunctional FRP Discharge Rod at stores/site complete with all accessories for efficient and trouble free-operation. The specific requirements are covered in this specification.

2. APPLICABLE STANDARDS

The equipment covered by this specification shall unless otherwise stated, be designed, manufactured and tested in accordance with the latest editions of the following Indian, International standards and shall conforms to the regulations of the local authorities:

Compliance to IEC 60060, 60855 & IEC 61230.

3. CLIMATIC CONDITIONS OF THE INSTALLATION:

The service conditions shall be as follows:

1. Maximum altitude above sea level 1,000m
2. Maximum ambient air temperature 50°C
3. Maximum daily average ambient air temperature 35°C
4. Minimum ambient air temperature 0°C
5. Maximum relative humidity 95%
6. Average number of thunderstorm days per annum (isokeraunic level) 70
7. Average number of rainy days per annum 120
8. Average annual rainfall 150cm
9. Earthquakes of an intensity in horizontal direction - equivalent to seismic acceleration of 0.3g
10. Earthquakes of an intensity in vertical direction - equivalent to seismic acceleration of 0.15g (g being acceleration due to gravity)
11. Wind velocity: 300 km/hr, 200 km/hr and 160 km/hr. environmentally, some of the regions, where the work will take place includes coastal areas, subject to high relative humidity, which can give rise to condensation. Onshore winds will frequently be salt laden. On occasions, the combination of salt and condensation may create pollution conditions for outdoor insulators. Some places are in heavily industrial polluted areas. Therefore, Outdoor material and equipment shall be designed and protected for use in exposed, heavily polluted, salty, corrosive and humid coastal atmosphere

The design of equipment and accessories shall be suitable to withstand seismic forces corresponding to an acceleration of 0.1 g.

4. GENERAL TECHNICAL PARTICULARS & REQUIREMENTS:

Sl. No.	Description	Technical Specification for Discharge Rod
1	system voltage	Upto 33 KV
2	Class of insulation of insulated Rod &	'F' class Pultruded fibre glass with antistatic coating and the insulated pole should be free from scratches or mechanical damages.

Initiator		Approval	
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TPSODL	TP SOUTHERN ODISHA DISTRIBUTION LIMITED, BERHAMPUR		
	TECHNICAL SPECIFICATION		
Doc. Title	Specification for Multifunctional FRP Discharge Rod		
Doc. No	ENG-GEN-Multifunctional FRP Discharge Rod	Eff. Date: 14/07/2023	
Rev. No	00	Page 2 of 7	
Prepared by: Jyoti Ranjan Sahu	Reviewed by: Shailendra Kumar Jaiswal	Approved By Shirish Sharad Dikay	Issued By: Dnyaneshwar Ramchandra Dharmadhikari

	extension handles	
3	Total Extendable length	7 Meters
4	No of Section	4 Sections
	Length of each section	Bottom Section- 760mm (2feet 6 inch) Rest sections- 900mm (3 ft)
	Collapsible length	2 meter (max)
5	Design	Triangular Type
6	Insulated operating Rod tentative sizes for main rod and Extension rods.	Top Section: 24mm $\pm$ 1mm Bottom Section: 48mm $\pm$ 1mm Total- 29, 36, 42 & 48
	Thickness of Discharge rod	Thickness shall be maintained to achieve die electric strength of 12kV/feet
7	Main discharge head	1. Die Cast Aluminum suitable clamp to connect for discharging purpose. 2. It should be removable type and riveted on the rod like a cap on rod. 3. The top head shall be provided with a bolt (10mm hole on bus bar clamp and both side washers suitable for attaining better surface contact) for fixing of discharge cable lug on top surface when direct link hook used for discharge. 4. Two Number rubber grips to be provided for the bottom stick for easy holding at site operations. (Min 6 Inch) 5. suitable adapter fitted on top section of the rod- suitable for Discharge rod connector & sunrise clamp for neon tester.

Initiator		Approval	
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Doc. Title	Specification for Multifunctional FRP Discharge Rod		
Doc. No	ENG-GEN-Multifunctional FRP Discharge Rod	Eff. Date: 14/07/2023	
Rev. No	00	Page 3 of 7	
Prepared by: Jyoti Ranjan Sahu	Reviewed by: Shailendra Kumar Jaiswal	Approved By Shirish Sharad Dikay	Issued By: Dnyaneshwar Ramchandra Dharmadhikari

8	Attachment of extension handles	1. FRP- Telescopic type discharge rod with Triangle design to extend the rod up to 7mtrs.
9	Earthing cable	The earthing lead shall have Lug at both ends. Lug shall be pressure crimped & brazed on both ends. Heat shrinkable sheath to be provided at the joints to protect moisture from penetrating into lead.
10	Cable Conductor	Flexible copper multistrand (electrical grade)-IS 694
11	Conductor size	35 sqmm
13	Insulation material of conductor	PVC, ST-1 (-20°C to + 70°C)
15	Color of PVC insulation of conductor	Transparent
17	Length of cable	12 meter
18	Earth end clamp	Made from high strength special aluminium alloy. maximum opening 25mm or C Type Clamp
	standard	IEC 60060, 60855 & IEC 61230
19	Duty	Whole system is designed to withstand high fault currents up to min. 8KA for 1 sec or min.11.3 KA for 0.5 sec (as per IEC 61230).
20	Anti-tracking system	The insulated rod is provided with 2 coats of anti-tracking compounds. saline treated epoxy glass, class form the main insulation
21	Surface finish and texture	The surface finish of the insulated stick must be highly glossy & fine so that minimum dust or moisture may deposit on it.
22	Locking	Push button locking system with uni direction facility for user friendly operation.

Initiator		Approval	
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	TECHNICAL SPECIFICATION		
Doc. Title	Specification for Multifunctional FRP Discharge Rod		
Doc. No	ENG-GEN-Multifunctional FRP Discharge Rod	Eff. Date: 14/07/2023	
Rev. No	00	Page 4 of 7	
Prepared by: Jyoti Ranjan Sahu	Reviewed by: Shailendra Kumar Jaiswal	Approved By Shirish Sharad Dikay	Issued By: Dnyaneshwar Ramchandra Dharmadhikari

23	Carrying cases	Carrying cases to be provided for carrying of 1. Discharge rods and extensions 2. Earthing cable and accessories. 3. Do fuse Attachment
24	BDV of the discharge rod material	8-12 kV /mm
25	Dielectric strength	The insulated rod of discharge rod must conform to minimum dielectric withstand strength of minimum 100kV/feet from ERDA/CPRI Labs
26	safety rain guard/safety stopper for protection	Must be provided on main rod.
27	GENERAL CONSTRUCTION	Earthing Discharge Rods is an insulated rod, usually made of fiberglass with extension handle. Discharge Rod complete with accessories suitable for 11KV & 33kV. system voltage for discharging dead conductors /busbars. - The discharge rod shall be made from Glass Fibre Epoxy insulation manufactured through pultrusion process. - The Insulating Rod shall be light in weight and has high mechanical strength and good electrical properties. - Rod design should be triangle shape to have adequate gripping and uni directional push button locking system for user friendly operation. - The surface finish of the insulated rod must be highly glossy and fine so that minimum dust or moisture may deposit on it.
28	NAME PLATE AND MARKING	- Following details shall be screen printed on Discharge rod: - PROPERTY OF TPSODL - Month and Year of manufacturing (MM/YYYY) - RO/PO No.

Initiator		Approval	
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	TP SOUTHERN ODISHA DISTRIBUTION LIMITED, BERHAMPUR		
	TECHNICAL SPECIFICATION		
Doc. Title	Specification for Multifunctional FRP Discharge Rod		
Doc. No	ENG-GEN-Multifunctional FRP Discharge Rod		Eff. Date: 14/07/2023
Rev. No	00		Page 5 of 7
Prepared by: Jyoti Ranjan Sahu	Reviewed by: Shailendra Kumar Jaiswal	Approved By Shirish Sharad Dikay	Issued By: Dnyaneshwar Ramchandra Dharmadhikari

29	Tests	Routine, Acceptance & Type tests shall be carried out in accordance with the relevant IS/IEC/ International standard. Acceptance tests shall be witnessed by TPSODL authorized representative. Following tests shall be necessarily conducted on the discharge rod in additions to others specified in IS/IEC/ANSI standards. Type tests shall be conducted from CPRI/ERDA only. *In case of any conflict on any technical particular in the specification, the stricter requirement mentioned in the relevant standard shall be valid. (A) Type Tests <table border="1"> <thead> <tr> <th>S No.</th><th>Tests</th><th>Clause no.</th><th>Reference Standard</th></tr> </thead> <tbody> <tr> <td>1</td><td>Visual Inspection</td><td>Clause 8.1 of IS 16622</td><td>IS 16622 : 2019 IEC 61235 : 1993</td></tr> <tr> <td>2</td><td>Dimension Check</td><td>Clause 8.2 of IS 16622</td><td>IS 16622 : 2019 IEC 61235 : 1993</td></tr> <tr> <td>3</td><td>Dielectric test before and after exposure to humidity</td><td>Clause 9.1 of IS 16622</td><td>IS 16622 : 2019 IEC 61235 : 1993</td></tr> <tr> <td>4</td><td>Dielectric wet test</td><td>Clause 9.2 of IS 16622</td><td>IS 16622 : 2019 IEC 61235 : 1993</td></tr> <tr> <td>5</td><td>Bending Test</td><td>Clause 10.1 of IS 16622</td><td>IS 16622 : 2019 IEC 61235 : 1993</td></tr> <tr> <td>6</td><td>Torsion Test</td><td>Clause 10.2 of IS 16622</td><td>IS 16622 : 2019 IEC 61235 : 1993</td></tr> <tr> <td>7</td><td>Crushing Test</td><td>Clause 10.3 of IS 16622</td><td>IS 16622 : 2019 IEC 61235 : 1993</td></tr> <tr> <td>8</td><td>Impulse Voltage Withstand Test at 170KV</td><td>IS 2071</td><td>IS 2071</td></tr> <tr> <td>9</td><td>Short Circuit Withstand Test for high fault levels for cable with earthing clamps</td><td>AS per IEC 61230</td><td>AS per IEC 61230</td></tr> </tbody> </table>		S No.	Tests	Clause no.	Reference Standard	1	Visual Inspection	Clause 8.1 of IS 16622	IS 16622 : 2019 IEC 61235 : 1993	2	Dimension Check	Clause 8.2 of IS 16622	IS 16622 : 2019 IEC 61235 : 1993	3	Dielectric test before and after exposure to humidity	Clause 9.1 of IS 16622	IS 16622 : 2019 IEC 61235 : 1993	4	Dielectric wet test	Clause 9.2 of IS 16622	IS 16622 : 2019 IEC 61235 : 1993	5	Bending Test	Clause 10.1 of IS 16622	IS 16622 : 2019 IEC 61235 : 1993	6	Torsion Test	Clause 10.2 of IS 16622	IS 16622 : 2019 IEC 61235 : 1993	7	Crushing Test	Clause 10.3 of IS 16622	IS 16622 : 2019 IEC 61235 : 1993	8	Impulse Voltage Withstand Test at 170KV	IS 2071	IS 2071	9	Short Circuit Withstand Test for high fault levels for cable with earthing clamps	AS per IEC 61230	AS per IEC 61230
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	TP SOUTHERN ODISHA DISTRIBUTION LIMITED, BERHAMPUR		
	TECHNICAL SPECIFICATION		
Doc. Title	Specification for Multifunctional FRP Discharge Rod		
Doc. No	ENG-GEN-Multifunctional FRP Discharge Rod		Eff. Date: 14/07/2023
Rev. No	00		Page 6 of 7
Prepared by: Jyoti Ranjan Sahu	Reviewed by: Shailendra Kumar Jaiswal	Approved By Shirish Sharad Dikay	Issued By: Dnyaneshwar Ramchandra Dharmadhikari

		<table><tr><td>10</td><td>Die Penetration test</td><td>As per IS 13770-1983</td><td>As per IS 13770-1983</td></tr></table>	10	Die Penetration test	As per IS 13770-1983	As per IS 13770-1983									
10	Die Penetration test	As per IS 13770-1983	As per IS 13770-1983												
		(B) Routine Tests and Acceptance Tests: All acceptance tests mentioned below shall be witnessed by TPSODL's representative during inspection stage. <table><tr><th>Sr. No.</th><th>Tests</th></tr><tr><td>1</td><td>Visual inspection</td></tr><tr><td>2</td><td>Dimensions check</td></tr><tr><td>3</td><td>Dielectric test – On each section of operating rod subject to 100kV AC RMS, with leakage current less than 50micro Amp</td></tr><tr><td>4</td><td>Fitment and interchangeability check for extension rods.</td></tr><tr><td>5</td><td>Fitment of capsule, hook, earthing cable and connection clamps</td></tr></table>		Sr. No.	Tests	1	Visual inspection	2	Dimensions check	3	Dielectric test – On each section of operating rod subject to 100kV AC RMS, with leakage current less than 50micro Amp	4	Fitment and interchangeability check for extension rods.	5	Fitment of capsule, hook, earthing cable and connection clamps
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30	TYPE TEST CERTIFICATES	The bidder shall furnish the type test certificates for the tests as mentioned above as per the corresponding standards. All the tests shall be conducted at CPRI/ERDA as per the relevant standards. Type test should have been conducted in CPRI/ERDA Lab during the period not exceeding 5 years from the date of opening the bid. In the event of any discrepancy in the test reports i.e. any test report not acceptable or any/all type tests (including additional type tests, if any) not carried out, same shall be carried out without any cost implication to TPSODL, Berhampur.													

5. GUARANTEE

Bidder shall stand guarantee towards design, materials, workmanship & quality of process/ manufacturing of items under this contract for due and intended performance of the same, as an integrated product delivered under this contract. In the event any defect is found by the Purchaser up to a period of at least 12 months from the date of commissioning or 24 months from the date of last supplies made under the contract whichever is later, (the time scale of 12/24 months could be enhanced subject to mutual agreements). Bidder shall be liable to undertake to replace/rectify such defects at its own costs, within mutually agreed time frame, and to the entire satisfaction of the Purchaser, failing which the Purchaser will be at liberty to get it replaced/rectified at Bidder's risks and costs and recover all such expenses plus the Purchaser's own charges (@ 20% of expenses incurred), from the Bidder or from the "Security cum Performance Deposit" as the case may be. Bidder shall further be responsible for 'free replacement' for another period of THREE years from the end of the guarantee period for any 'Latent Defects' if noticed and reported by the Purchaser.

Initiator		Approval	
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	TP SOUTHERN ODISHA DISTRIBUTION LIMITED, BERHAMPUR		
	TECHNICAL SPECIFICATION		
Doc. Title	Specification for Multifunctional FRP Discharge Rod		
Doc. No	ENG-GEN-Multifunctional FRP Discharge Rod	Eff. Date: 14/07/2023	
Rev. No	00	Page 7 of 7	
Prepared by: Jyoti Ranjan Sahu	Reviewed by: Shailendra Kumar Jaiswal	Approved By Shirish Sharad Dikay	Issued By: Dnyaneshwar Ramchandra Dharmadhikari

6. TENDER SAMPLE

Bidder shall submit the sample of material with the offer (in case of first supply to TPSODL).

7. PRE DISPATCH INSPECTION

The Material shall be subject to inspection by a duly authorized representative of the TPSODL. Inspection may be made at any stage of manufacture at the discretion of the purchaser and the equipment, if found unsatisfactory as to workmanship or material, the same is liable to rejection. Bidder shall always grant free access to the places of manufacture to TPSODL's representatives when the work is in progress. Inspection by the TPSODL or its authorized representatives shall not relieve the bidder of his obligation of furnishing equipment in accordance with the specifications. Material shall be dispatched after specific MDCC (Material Dispatch Clearance Certificate) is issued by TPSODL. Following documents shall be sent along with material

- a. Test reports
- b. MDCC issued by TPSODL
- c. Invoice in duplicate
- d. Packing list
- e. Drawings & catalogue
- f. Guarantee / Warrantee card
- g. Delivery Challan
- h. Other Documents (as applicable).

Initiator		Approval	
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