



**TP CENTRAL ODISHA DISTRIBUTION LIMITED**  
(A Tata Power & Odisha Govt. joint venture)  
2nd Floor, IDCO Tower, Janpath Bhubaneswar, Odisha 751022

NIT No.: TPCODL/P&S/93/2020-21

## **Open Tender Notification**

**for**

**Rate Contract of 11KV and 1.1 KV associated works (Construction / Augmentation/ Refurbishment) all over TPCODL area.**

**Tender Enquiry No.: TPCODL/P&S/93/20-21**

**Due Date for Bid Submission: 05 October 2020 [15:00 Hrs.]**

**TP Central Odisha Distribution Limited  
(A TATA Power and Odisha Government Joint Venture)  
Procurement & Stores Department,  
2<sup>nd</sup> Floor, IDCO Towers, Janpath, Bhubaneswar – 751022**



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**INFORMATION TO THE BIDDERS TO PARTICIPATE IN E-OPEN  
TENDER SYSTEM OF TPCODL**

**-: Steps for E-tender submission:-**

**Bids are to be submitted only through online e-procurement platform, ARIBA. Any other form of bid submission will not be accepted. Online Link for submission of bid through ARIBA will be sent only after confirmation of payment of tender fee from bidder.**

**Step 1:** The bidder can get primary information about the tender from the Newspaper advertisement / TPCODL website <www.tpcentralodisha.com> and can download the tender document from the above website.

**Step 2:** Non-Refundable Tender Participation Fee, as indicated in tender document, to be submitted before last date of tender fee payment, in the form of direct deposit/NEFT/RTGS in the following bank account.

Account Name: TP Central Odisha Distribution Limited  
Bank Name: SBI, IDCO Towers, Bhubaneswar  
Bank Account No. : 10835304915  
IFSC Code : SBIN0007891

**Step 3:** Eligible and Interested bidder to send an email to TPCODL attaching duly signed and stamped letter on Bidder's letterhead, with following details, expressing their intend to bid against above tender:

SI No	Description	Bidder's Response
i)	Tender Enquiry No.	
ii)	Description of materials / Works Tendered	
iii)	Name of the bidding company	
iv)	Name of the authorized contact person	
v)	Contact No. authorized person	
vi)	E-mail Id of the where online ARIBA link to be	
vii)	Tender Fee details (Amount / NEFT-RTGS UTR No	
viii)	GST No.of bidder	

E-mail has to be sent to <asish.karmakar@tpcentralodisha.com> with copy to <debaprasad.das@tpcentralodisha.com> before "Last date and time for payment of Tender Participation Fee".



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**Step 4:** On receipt of the document as mentioned in Step 3 above and after due verification of the same, ARIBA link for participation in the tender will be sent to bidder's mail address from ARIBA system.

**Step 5:** In this mail there will be an online link as **Click Here** to participate in the tender.

**Step 6:** Click **"Click Here"** to access this event.

**Step 7:** If bidder is bidding first time for TPCODL through ARIBA site then please "Sign UP" by creating User Name and password as mentioned in Sign Up page. Please follow the process, as mentioned in the Sign Up page, during creation of User Name and password. Also a simple one-page registration screen will open for first time user. All \* mark mandatory field to be filled in.

Those who are already having User Name and password for accessing TPCODL events, they can LOGIN using same User Name and password.

If bidder has got User name and password for their other customer, same will not be applicable for TPCODL.

**Step 8:** You will be able to see the RFQ

**Step 9:** After review and downloading of all documents click on **"Review Pre-requisites"**

**Step 10:** Review and accept **"Bidder Agreement"**.

**Step 11:** You can see attached pdf tender document against clause no 1.1.1 (Introduction).

**Step 12:** Vendor has to attach pdf version of technical bid in clause no. 2.1 and 2.2. In this field do not attach any price document.

Price schedule is attached in clause no.3.2. Same has to be downloaded and price and tax details to be filled in as per the format given, print to be taken in vendor's letter head and signature and seal to be made by authorised person. PDF version of this price bid to be attached in clause 3.2 For Price Bid put all the unit price and taxes and duties in provided field. Put "0" (ZERO) in not applicable field.

**Step 13:** After successfully putting Techno commercial offer and price part then click on **"Submit Entire Response"**

**Note: Once user ID and password created, bidder can also login to ARIBA site through the following URL:**

<https://service.ariba.com/Sourcing.aw/124997008/aw?awh=r&awssk=oxt0s1BN&dard=1>



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## 1.0 Event Information

### 1.1. Scope of work

**Open Tenders** are invited from interested Bidders entering into a Rate Contract valid for 1 years for the following:

S. No.	Description	EMD Amount (Rs.)	Tender Fee* (Rs.)
1.	Rate Contract for 11kV and 1.1 kV associated works (Construction / Augmentation/ refurbishment) all over TPCODL area	5,00,000	5,000

*\*inclusive of GST*

### 1.2. Availability of Tender Documents

Tender documents may be downloaded by interested eligible bidders from TPCODL website [www.tpcentralodisha.com](http://www.tpcentralodisha.com) with effect from 15.09.2020. In the event of detailed tender documents are downloaded from TPCODL website, the Tender Fee shall be compulsorily submitted either online through NEFT/ RTGS or demand draft/ Banker's cheque drawn in favor of "TP Central Odisha Distribution Limited", payable at Bhubaneswar only. Any such bid submitted without this Fee shall be rejected.

Bidders are requested to visit TPCODL website [www.tpcentralodisha.com](http://www.tpcentralodisha.com) regularly for any modification/ clarification to the bid documents.

### 1.3. Calendar of Events

(a)	Date of availability of tender documents from TPCODL Website	15.09.2020, 10:00 Hours
(b)	Last date and time of Payment of Tender Fee	21.09.2020 15:00 Hours
(c)	Last Date of receipt of pre-bid queries, if any	24.09.2020 17:00 Hours
(d)	Last Date of Posting Consolidated replies to all the pre-bid queries as received	28.09.2020 17:00 Hours
(e)	Last date and time of receipt of Bids	05.10.2020 15:00 Hours

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

### 1.4 Mandatory documents required along with the Bid

1.4.1 EMD of requisite value and validity

1.4.2 Tender Fee.

1.4.3 Requisite Documents for compliance to Qualification Criteria mentioned in Clause 1.7.



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

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

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

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

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

Bids are liable for rejection in absence of following documents:

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

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

#### **1.7 Qualification Criteria**

- a) *The bidder should have an average annual turnover of Rs.10 crores in last three financial years (FY 17-18, FY 18-19 and FY 19-20). Copy of audited Balance Sheet and P&L Account to be submitted in this regard.*
- b) *The bidder must have executed similar jobs for maintenance/ commissioning of 11 kV/33KV network in any utility/companies for a total value of Rs. 1 cr. or one single order of Rs. 30 lacs or two orders of Rs. 20 lacs each or three order of Rs 10 lac each during last 3 financial years.*

*Note: - In case the bidder has a previous association with TPCODL for similar products and services, the performance feedback for that bidder by TPCODL's User Group shall only be considered irrespective of performance certificates issued by any third organization.*



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- c) *The bidder should have Valid Electrical Contractor HT License issued by Govt. of Odisha to execute the electrical works in Odisha. Copy of valid Electrical Contractor License issued by Govt. of Odisha needs to be submitted by bidder. In case bidder is not having this License, Bidder shall submit an undertaking that in case they are the successful bidder, same shall be obtained by them before award of contract by TPCODL.*
- d) *The bidder should have performance certificates from at least 2 reputed companies for similar or higher rating of work. The work against these issued certificates should be completed in last seven years from the date of bid submission.*
- e) *The bidder must have all statutory compliance like valid PAN no., ESI registration, EPF registration, GSTN etc. The bidder must submit the copy of all these registrations*

### **1.8. Marketing Integrity**

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

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

### **1.9. Supplier Confidentiality**

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

### **2.0 Evaluation Criteria**

- The bids will be evaluated technically on the compliance to tender terms and conditions.
- The bids will be evaluated commercially on over BOQ basis (all-inclusive lowest cost) for the complete tender as calculated in Schedule of Items [Annexure I].
- The bids will be evaluated on Safety Parameters as mentioned in Annexure-IX. Bidders have to submit all the documents related to safety bid.
- Bidder has to mandatorily quote against each item of Schedule of Items [Annexure I]. Failing to do so, TPCODL may reject the bids.

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





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

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

**3.0 Submission of Bid Documents**

**3.1 Bid Submission**

Bidders are requested to submit their offer in line with this Tender document through e-tendering process.

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

No e-mail or verbal correspondence will be responded. All communication will be done strictly with the bidder who have done the above step to participate in the Tender.

Bids shall be submitted in 4 (four) parts:

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

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

**Account Name: TP CENTRAL ODISHA DISTRIBUTION LIMITED**  
**Bank Name: SBI, IDCO Towers, Bhubaneswar**  
**Bank Account No.: 10835304915**  
**IFSC Code: SBIN0007891**

**Note-** EMD is preferred in form of Bank Guarantee and to be delivered at the following address. However, in view of present situation if Bidder is finding it difficult to make and submit BG for EMD amount, they can do online transfer of EMD amount in the above mentioned Account and submit proof of the same as part of Bid Submission.

Please note that in such case, Tender Fee and EMD should be strictly 2 separate transactions.

Please note as return of EMD from Bank Account is non-standard practice the same may take more time than return of EMD BG.

**EMD Original Hard Copy shall be delivered at the following address in Envelope clearly indicating Tender Reference/ Enquiry Number, Name of Tender and Bidder Name**

**Chief (Procurement & Stores)**  
**TP Central Odisha Distribution Limited**  
**2<sup>nd</sup> Floor, IDCO Towers, Janpath, Bhubaneswar- 751022**

**SECOND PART: "TECHNICAL BID"** shall contain the following documents:

- a) Documentary evidence in support of qualifying criteria
- b) Technical literature/GTP/Type test report etc. (if applicable)





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- c) Qualified manpower (if available)
- d) Testing facilities (if applicable)
- e) No Deviation Certificate as per the Annexure III – Schedule of Deviations
- f) Acceptance to Commercial Terms and Conditions viz. Delivery schedule/period, payment terms etc. as per the Annexure IV – Schedule of Commercial Specifications.
- g) Quality Assurance Plan/Inspection Test Plan for supply items (if applicable)

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

**THIRD PART (Safety Bid):** Bidder shall mention the details as required in the safety bid form (As mentioned in annexure- IX). Bidder also has to submit the relevant documents for the same as required by TPCODL

**FOURTH PART: “PRICE BID”** shall contain only the price details and strictly in format as mentioned in Annexure I along with explicit break up of basic prices, Taxes & duties, Freight etc. In case any discrepancy is observed between the item description stated in Schedule of Items mentioned in the tender and the price bid submitted by the bidder, the item description as mentioned in the tender document (to the extent modified through Corrigendum issued if any) shall prevail.

**Price Bid is to be submitted in soft copy through TPCODL E-Tendering system (Ariba) only. Hard copy of Price Bid not be submitted**

The EMD in the form of Bank Draft / BG / Bankers Pay Order shall be submitted in original hard copy and then placed in sealed envelope which shall be clearly marked as below:

EMD

**“RATE CONTRACT FOR 11KV AND 1.1 KV ASSOCIATED WORKS (CONSTRUCTION / AUGMENTATION/REFURBISHMENT) ALL OVER TPCODL AREA”**

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

**SIGNING OF BID DOCUMENTS:**

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

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

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

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



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

### **3.2 Contact Information**

All the bidders are requested to send their pre-bid queries (if any) against this tender through e-mail within the stipulated timelines. The consolidated reply to all the queries received shall be posted on TPCODL website by the stipulated timelines as detailed in calendar of events.

#### **Communication Details:**

##### Handling Executive for this Tender:

Name: Asish Karmakar  
Contact No.: 8768455566  
E-Mail ID: asish.karmakar@tpcentralodisha.com

##### Senior General Manager (Material Procurement):

Name: Mr. Deba Prasad Dash  
Contact No.: 9438297571  
E-Mail ID: debaprasad.das@tpcentralodisha.com

### **3.3 Bid Prices**

Bidders need to quote for all Divisions (Packages) as per the Price schedule attached in Annexure I. Also bidder need to quote for all the items mentioned in each Division (Package) with a break up of prices for supply and erection of individual items and Taxes & duties. The bidder shall complete the appropriate Price Schedules included herein, stating the Unit Price for each item & total price with taxes, duties & freight up to destination at various sites of TPCODL. The all-inclusive prices offered shall be inclusive of all costs as well as Duties, Taxes and Levies paid or payable during the execution of the supply work, breakup of price constituents.

#### **Applicable GST to be specified clearly.**

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

### **3.4 Bid Currencies**

Prices shall be quoted in Indian Rupees Only.

### **3.5 Period of Validity of Bids**

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

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

RC Validity: - The validity of this rate contract shall be one year from the date of issuance.

### **3.6 Alternative Bids**

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



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### **3.7 Modifications and Withdrawal of Bids**

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

### **3.8 Earnest Money Deposit (EMD)**

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

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

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

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

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

**Or**

b) The successful Bidder does not

- a) accept the Purchase Order, or
- b) furnish the required Performance Security Bank Guarantee

### **3.9 Type Tests (if applicable)**

The type tests specified in TPCODL specifications should have been carried out within five years prior to the date of opening of technical bids and test reports are to be submitted along with the bids. If type tests carried out are not within the five years prior to the date of bidding, the bidder will arrange to carry out type tests specified, at his cost. The decision to accept/reject such bids rests with TPCODL

## **4 Bid Opening & Evaluation process**

### **4.1. Process to be confidential**

Information relating to the examination, clarification, evaluation and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process. Any effort by a Bidder to influence the TPCODL's processing of Bids or award decisions may result in rejection of the Bidder's Bid.

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

Bids will be opened at TPCODL Office, Bhubaneswar. All tender bids shall be opened internally by TPCODL. Presence of any bidder will not be allowed during bid opening process. Technical bid must not contain any cost information whatsoever.

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

Next, the technical bid of the bidders who have furnished the requisite EMD will be opened, one by one.

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



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

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

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

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

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

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

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

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

#### **4.6. Reverse Auctions**

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

### **5 Award Decision**

Bids will be evaluated separately for each Package (Division). Accordingly Bidder will be selected for each Package(Division) separately. TPCODL will award the contract to the successful bidder whose bid has been determined to be the lowest-evaluated responsive bid as per the Evaluation Criterion mentioned at Clause 2.0. The Cost for the said calculation shall be taken as the all-inclusive cost quoted by bidder in Annexure I (Schedule of Items) subject to any corrections required in line with Clause 3.2 above. The decision to place purchase order/LOI solely depends on TPCODL on the cost competitiveness across multiple lots, quality, delivery and bidder's capacity, in addition to other factors that TPCODL may deem relevant.



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

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

## **6 Order of Preference/Contradiction**

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

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

## **7 Post Award Contract Administration**

### **7.1. Special Conditions of Contract**

- Rate contract shall be valid for a period of 1 years from the placement of Contract. Release Order (RO) shall be placed as per the requirement of TPCODL. Rate shall remain FIRM till the validity of Rate Contract.
- Business Associate (BA) shall submit applicable Performance Bank Guarantee as per GCC within 30 days of issuance of order. PBG applicable shall be 5% of Order Value. PBG submitted, shall be released after completion of applicable warranty period plus one month.
- Any change in statutory taxes, duties and levies during the contract period shall be borne by TPCODL. However, in case of delay in work execution owing to reasons not attributable to TPCODL, any increase in total liability shall be passed on the Bidder, whereas any benefits arising owing to such statutory variation in taxes and duties shall be passed on TPCODL.
- Statutory Variations: Any changes in existing taxes/ Duties and levies, Introduction of new taxes and duties etc. during the period of the contract shall be paid at actuals to BA subject to BA shall submit the tax break up in details, however, where BA has quoted the all-inclusive prices and not shown the tax break-up, this clause will not be applicable. The date of issue of MDCC shall be used for this purpose.
- Quotation in all BOM items is mandatory, and bid shall be rejected if any line of found blank in un price bid.
- There will be no price escalation given to bidder after issue the RO even if there is delayed the project due to ROW permission.
- Quotation in all items in each package is mandatory. In case any item is not quoted / any space in the Price Schedule is left blank by the bidder, the cost of such items shall be treated as inclusive and shall be borne by the bidder without any extra cost to TPCODL.





**TP CENTRAL ODISHA DISTRIBUTION LIMITED**  
(A Tata Power & Odisha Govt. joint venture)  
2nd Floor, IDCO Tower, Janpath Bhubaneshwar, Odisha 751022

NIT No.: TPCODL/P&S/93/2020-21

- In case any additional material is to be asked to supply after finalization of scope of work in the detailed Engineering, the Extra price and the extension of delivery time (if applicable) as the case may be mutually agreed between TPCODL and Successful Bidder
- **Warranty period:** 18 months from Handing over.
- All other terms and conditions of TPCODL General Conditions of Contract shall be applicable.

**Terms of Payment:**

70% on account payment against the actual executed value certified by EIC of TPCODL in running bill on pro-rate basis. Documents to be provided with invoice/bill: Joint measurement sheet/material verification sheet duly verified by EIC.

Balance 30 % payment of the actual executed order value shall be paid after handing over of the Complete system, including clearance of IHI, compliances of final punch point and after reconciliation of material & adjustment of payments, based on the service entry sheet approved by EIC.

The payment shall be released within 45 days from the date of submission of certified bills/ invoices.

**7.2 Drawing Submission and Approval**

The relevant drawings and GTPs need to be submitted within two weeks of receipt of firm purchase order by the successful bidder to TPCODL for approval. In case, re-submission of drawings is required on request of TPCODL, same needs to be submitted back to TPCODL within 5 days of such request.

**7.3 Delivery Timelines**

1. Release Orders shall be placed against the awarded Rate Contract by TPCODL as and when the requirements arise.
2. Scope and nature of work for individual RO varies from "Providing supply to a single consumer through a DP mounted sub-station" to "Electrification of large areas involving setting up of electrical distribution networks". The completion period of individual RO varies according to the scope and nature of work. Completion periods (in calendar days) for various categories of activities involved in such issued RO, are detailed hereunder.
3. For each issued RO the following will be the guidelines of completion period: -
  - a. Installation of new 11KV overhead line with bare conductor /HT ABC: Up to 500 circuit meters - 30 days. For every 500 circuit meters thereafter - 15 additional days.

Refurbishment/Re-string of Conductor of old 11KV overhead line with bare conductor /HT ABC: Up to 1000 circuit meters with replacement of 5 Poles - 7 days with two outages.

- b. Installation of new LT overhead line with bare conductor /LT ABC: Up to 500 circuit meters - 30 days. For every 500 circuit meters thereafter - 15 additional days.



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Refurbishment/Re-string of Conductor of old LT overhead line with bare conductor /LT ABC with: Up to 1000 circuit meters with replacement of 5 Poles - 7 days with two outages.

- c. Installation, testing and commissioning of of 11KV Switch in one line: 15days
- d. Provision cradle guard for the O/H line at Road Crossing subjected to availability of Outage
- e. In case any RO covers two or more categories of activities mentioned herein-above, the longest completion period amongst all the categories of activities covered thereunder, shall be treated as completion period for the RO.
- f. It is however to be noted that in case of any urgency, TPCODL reserves the right to reduce the above mentioned timelines further as per the requirement. The decision of TPCODL in this regard shall be final and binding on the bidder.

The Project Completion period shall be 10 months from date of issue of RO/LOI which ever Earlier subject to availability of free issue material from TPCODL and subject to availability of Outage and ROW Permission

#### **7.4 Warranty Period**

As per SCC

#### **7.5 Payment Terms**

As per SCC

#### **7.6 Climate Change**

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

#### **7.7 Ethics**

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

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

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





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

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

Any ethical concerns with respect to this tender can be reported to the following e-mail ID:

[purchase@cescoorissa.com](mailto:purchase@cescoorissa.com) / [pkjain@tatapower.com](mailto:pkjain@tatapower.com)

### **8 Specification and standards**

As per Annexure II

### **9 General Condition of Contract**

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

### **10 Safety**

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

**ANNEXURE I**  
**Schedule for Items**

**Package1: BCDD-1 (Bhubaneswar City Distribution Division-I) Annexure-I**

S.No	Item Description	Quantity (A)	Unit	HS N /SAC Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs/Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C)	All Inclusive Unit rate(D=B+C)	Total All Inclusive Value (Rs.)(AxD)
1	Supply of 11 KV V cross Arm (10.2 K.g. each)	34	No.										
2	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	34	No.										
3	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	34	Pair										
4	Supply of 11 K.V. Pin Insulator polymer	3250	No.										
5	Supply of 11 K.V. H.W. Fitting (B & S)	52	No.										
6	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	52	No.										
7	Supply of H.T. Stay set (Complete ) for 11KV	17	Set										
8	Supply of H.T. Stay Insulator for 11KV pole	17	No.										

9	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	17	Pair										
10	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	172	K.g.										
11	Supply of Earthing of Support for 11KV Pole ( Coil Type )	43	No.										
12	Supply of Red Oxide paint (2Kg per 11KV Pole)	86	Ltr										
13	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	86	Ltr										
14	Supply of Black Paint ( 0.3Kg per 11KV Pole)	86	Ltr										
15	Supply of GI barbed wire anticlimbing device 2 Kg. Per support for 11KV Pole	86	Kg										
16	Supply of 100 x 50 x 6 mm MS channel for 4nos Cut point ( 52Kg per Cutpoint)	447	K.g.										
17	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	26	No's										
18	Supply of 40x6mm GI Flat for neutral	520	K.g										
19	Errection of RS Joist pole(150x150mm) 11mtr.	43	No.										
20	Errection of 9mtr. long 300kg PSC pole	25	No.										

21	Installation of 11 KV V cross Arm (10.2 K.g. each )	34	No.										
22	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	34	No.										
23	Installation of Back Clamp for V cross Arm 1.70Kg each	34	Pair										
24	Installation of 11 K.V. Pin Insulator	3250	No.										
25	Installation of 11 K.V. Polymer DISC Insulator (B & S) 70KN With H/W Fitting	52	No.										
26	Fixing of Stay Set (Complete)	17	No										
27	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900mm) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	17	No.										
28	Installation of Earthing of Support ( Coil Type )	43	No.										
29	Installation of Earth Pit,Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	26	No's										

30	Stringing of 80-100mm2 AAAC	30	KM									
31	Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = <u>0.081</u> 0.651Cum	1044	Cum									
32	Couping of support section 15"x15" ( 3.9Cft) height 2'-6' ( 1' - 6" above G.L & 1' - 0" below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	1044	Nos									
33	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	26	EA									
34	Supply & Installation of LA 12KV,10KA,Polymer type along with all necessary Ms channel & Earthing as per TPCODL Drawing	208	SET									
35	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	208	EA									

36	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	86	Kg										
37	Supply of GI Nut , Bolt & Washer of different sizes For line	1000	KG										
38	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	100	EA										
39	Supply & Installation of HT Danger Board as per TP Central Orissa Distribution Ltd. specification	68	EA										
40	Painting of RS JOIST pole	43	EA										
41	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	2000 0	Mtr.										
42	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	2000 0	Mtr.										
43	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	2000 0	Mtr.										
44	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	2000 0	Mtr.										
45	Dismantling of RS Joist pole(150x150mm/Rail pole) & return back to section store	25	No										

46	Dismantling of RS Joist pole(116x100mm)	25	No										
47	Dismantling of PSC pole(9mtr)	25	No										
48	Dismantling of 11KV 'V' Cross arm	150	No										
49	Dismantling of 11KV GI pin with insulator	150	No										
50	Dismantling of 11KV Disc insulator with HW Fitting	150	No										
51	Dismantling of MS Channel from 11KV Pole / DP	250	Kg										
52	Dismantling of 55mm2 AAA Conductor	25	KM										
53	Dismantling of 80mm2 AAA Conductor	25	KM										
54	Dismantling of 100mm2 AAA Conductor	25	KM										
55	Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel,	100	Trip										



	Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately												
56	Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately	100	Trip										
57	Provision of 12Hr Crane service for loading and unloading of poles and other items	50	Trip										

**Package 2: BCDD-II (Bhubaneswar City Distribution Division-II) Annexure I**

S.No	Item Description	Quantity (A)	Unit	HSN /SA C Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs./Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs /Unit)	Unit Erection Price including GST (C )	All Inclusive Unit rate(D= B+C)	Total All Inclusive Value (Rs.)(AxD)
1	Supply of Concrete slab for base place size 2ftx2ftx2" thickness for each PSC pole	25	No.										
2	Supply of 11 KV V cross Arm (10.2 K.g. each )	522	No.										
3	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	436	No.										
4	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	456	Pair										
5	Supply of 11 K.V. Pin Insulator polymer	22799	No.										
6	Supply of 11 K.V. H.W. Fitting (B & S )	654	No.										
7	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	654	No.										
8	Supply of H.T. Stay set (Complete ) for 11KV	218	Set										
9	Supply of H.T. Stay Insulator for 11KV pole	218	No.										

10	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	218	Pair																	
11	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	2180	K.g.																	
12	Supply of Earthing of Support for 11KV Pole ( Coil Type )	554	No.																	
13	Supply of Red Oxide paint (2Kg per 11KV Pole)	1090	Ltr																	
14	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	1075	Ltr																	
15	Supply of Black Paint ( 0.3Kg per 11KV Pole)	1073	Ltr																	
16	Supply of GI barbed wire anticlimbing device 2 Kg. Per support for 11KV Pole	1073	Kg																	
17	Supply of 100 x 50 x 6 mm MS channel for 4nos Cut point ( 52Kg per Cutpoint)	5582	K.g.																	
18	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	172	No's																	
19	Supply of 40x6mm GI Flat for neutral	3445	K.g																	

20	Erection of RS Joist pole(150x150mm) 11mtr.	529	No.									
21	Errrection of 9mtr. long 300kg PSC pole	25	No.									
22	Installation of 11 KV V cross Arm (10.2 K.g. each )	522	No.									
23	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	522	No.									
24	Installation of Back Clamp for V cross Arm 1.70Kg each	522	Pair									
25	Installation of 11 K.V. Pin Insulator	22799	No.									
26	Installation of 11 K.V. DISC Insulator (B & S) Double Disc 70KN With H/W Fitting	654	No.									
27	Fixing of Stay Set (Complete)	218	No									
28	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900m m) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	218	No.									

29	Installation of Earthing of Support ( Coil Type )	554	No.										
30	Installation of Earth Pit,Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	172	No's										
31	Stringing of 80-100mm2 AAAC	146	KM										
32	Stringing of 55mm2 AAAC	15	KM										
33	Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = 0.081 0.651Cum	6050	Cum										
34	Couping of support section 15"x15" ( 3.9Cft) height 2'-6" ( 1' - 6" above G.L & 1' - 0" below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	5896	Nos										
35	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	343	EA										

36	Supply & Installation of LA 12KV,10KA,Polymer type along with all necessary Ms channel & Earthing as per TPCODL Drawing	692	SET										
37	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	692	EA										
38	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	1073	Kg										
39	Supply of GI Nut , Bolt & Washer of different sizes For line	1000	KG										
40	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	268	EA										
41	Supply & Installation of HT Danger Board as per TP Central Orissa Distribution Ltd. Specification	554	EA										
42	Painting of RS JOIST pole	529	EA										

43	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	20000	Mtr.										
44	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	20000	Mtr.										
45	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr.										
46	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr.										
47	Dismantling of RS Joist pole(150x150mm/Rail pole) & return back to section store	100	No										
48	Dismantling of RS Joist pole(116x100mm)	100	No										
49	Dismantling of PSC pole(9mtr)	25	No										
50	Dismantling of 11KV 'V' Cross arm	200	No										
51	Dismantling of 11KV GI pin with insulator	600	No										
52	Dismantling of 11KV Disc insulator with HW Fitting	150	No										
53	Dismantling of MS Channel from 11KV Pole / DP	1000	Kg										
54	Dismantling of 55mm <sup>2</sup> AAA Conductor	100	KM										



55	Dismantling of 80mm2 AAA Conductor	100	KM										
56	Dismantling of 100mm2 AAA Conductor	100	KM										
57	Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately	250	Trip										

58	Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately	250	Trip										
59	Provision of 12Hr Crane service for loading and unloading of poles and other items	200	Trip										

Package 3: BED (Bhubaneswar Electric Division) Annexure-I

Sr.No	Item Description	Quantity (A)	Unit	H S N /S A C C o d e	Unit Ex- Work Price (Rs./ Unit)	Freigh t & Insura nce Charg es (Rs/U nit)	GST (Rs/ Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C )	All Inclusive Unit rate(D=B+ C)	Total All Inclusive Value (Rs.)(AxD)
1	Supply of 11 KV V cross Arm (10.2 K.g. each )	138	No.										
2	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	138	No.										
3	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	138	Pair										
4	Supply of 11 K.V. Pin Insulator polymer	10988	No.										
5	Supply of 11 K.V. H.W. Fitting (B & S )	206	No.										
6	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	206	No.										
7	Supply of H.T. Stay set (Complete ) for 11KV	69	Set										
8	Supply of H.T. Stay Insulator for 11KV pole	69	No.										

9	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	69	Pair										
10	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	688	K.g.										
11	Supply of Earthing of Support for 11KV Pole ( Coil Type )	172	No.										
12	Supply of Red Oxide paint (2Kg per 11KV Pole)	344	Ltr										
13	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	344	Ltr										
14	Supply of Black Paint ( 0.3Kg per 11KV Pole)	344	Ltr										
15	Supply of GI barbed wire anticlimbing device 2 Kg. Per support for 11KV Pole	344	Kg										
16	Supply of 100 x 50 x 6 mm MS channel for 4nos Cut point ( 52Kg per Cutpoint)	1789	K.g.										
17	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	87	No's										
18	Supply of 40x6mm GI Flat for neutral	1745	K.g										
19	Errrection of RS Joist pole(150x150mm) 11mtr.	172	No.										

20	Errection of 9mtr. long 300kg PSC pole	25	No.										
21	Installation of 11 KV V cross Arm (10.2 K.g. each )	138	No.										
22	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	138	No.										
23	Installation of Back Clamp for V cross Arm 1.70Kg each	138	Pair										
24	Installation of 11 K.V. Pin Insulator	10988	No.										
25	Installation of 11 K.V. DISC Insulator (B & S) Double Disc 70KN With H/W Fitting	206	No.										
26	Fixing of Stay Set (Complete)	69	No										
27	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900 mm) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	69	No.										
28	Installation of Earthing of Support ( Coil Type )	172	No.										

29	Installation of Earth Pit, Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	87	No's										
30	Stringing of 80-100mm <sup>2</sup> AAAC	87	KM										
31	Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = 0.081 0.651Cum	3062	Cum										
32	Couping of support section 15"x15" ( 3.9Cft) height 2'-6" ( 1' - 6" above G.L & 1' - 0" below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	3062	Nos										
33	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	87	EA										
34	Supply & Installation of LA 12KV, 10KA, Polymer type along with all necessary Ms	349	SET										

	channel & Earthing as per TPCODL Drawing												
35	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	349	EA										
36	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	344	Kg										
37	Supply of GI Nut , Bolt & Washer of different sizes For line	1000	KG										
38	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	145	EA										
39	Supply & Installation of HT Danger Board as per TP Central Orissa Distribution Ltd. specification	197	EA										
40	Painting of RS JOIST pole	172	EA										
41	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	20000	Mtr.										

42	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	20000	Mtr.										
43	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr.										
44	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr.										
45	Dismantling of RS Joist pole(150x150mm/Rail pole) & return back to section store	100	No										
46	Dismantling of RS Joist pole(116x100mm)	100	No										
47	Dismantling of PSC pole(9mtr)	25	No										
48	Dismantling of 11KV 'V' Cross arm	200	No										
49	Dismantling of 11KV GI pin with insulator	600	No										
50	Dismantling of 11KV Disc insulator with HW Fitting	150	No										
51	Dismantling of MS Channel from 11KV Pole / DP	1000	Kg										
52	Dismantling of 55mm <sup>2</sup> AAA Conductor	100	KM										
53	Dismantling of 80mm <sup>2</sup> AAA Conductor	100	KM										



54	Dismantling of 100mm2 AAA Conductor	100	KM																												
55	Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately	100	Trip																												

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56	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	100	Trip									
57	<p>Provision of 12Hr Crane service for loading and unloading of poles and other items</p>	50	Trip									

**Package 4: NED (Neemapada) ANNEXURE-I**

S.No	Item Description	Quantity (A)	Unit	HSN /SAC Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs/Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C )	All Inclusive Unit rate(D=B+C)	Total Inclusive Value (Rs)	Total Inclusive Value (AxD)
1	Supply of 11 KV V cross Arm (10.2 K.g. each )	808	No.											
2	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	808	No.											
3	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	808	Pair											
4	Supply of 11 K.V. Pin Insulator polymer	46499	No.											
5	Supply of 11 K.V. H.W. Fitting (B & S )	1218	No.											
6	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	1218	No.											
7	Supply of H.T. Stay set (Complete ) for 11KV	406	Set											
8	Supply of H.T. Stay Insulator for 11KV pole	406	No.											



21	Installation of 11 KV V cross Arm (10.2 K.g. each )	808	No.																	
22	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	808	No.																	
23	Installation of Back Clamp for V cross Arm 1.70Kg each	808	Pair																	
24	Installation of 11 K.V. Pin Insulator	46499	No.																	
25	Installation of 11 K.V.Polymer DISC Insulator (B & S) 70KN With H/W Fitting	1218	No.																	
26	Fixing of Stay Set (Complete)	406	No																	
27	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900mm) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	406	No.																	
28	Installation of Earthing of Support ( Coil Type )	1011	No.																	

29	Installation of Earth Pit, Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	707	No's																	
30	Stringing of 80-100mm <sup>2</sup> AAAC	619	KM																	
31	Stringing of 55mm <sup>2</sup> AAAC	94	KM																	
32	Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = 0.081 0.651Cum	15500	Cum																	
33	Couping of support section 15"x15" ( 3.9Cft) height 2'-6' ( 1' - 6" above G.L & 1' - 0" below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	15500	Nos																	
34	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	707	EA																	

35	Supply & Installation of LA 12KV,10KA,Polymer type along with all necessary Ms channel & Earthing as per TPCODL Drawing	2826	SET																	
36	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	2826	EA																	
37	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	2022	Kg																	
38	Supply of GI Nut , Bolt & Washer of different sizes For line	1500	KG																	
39	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	146	EA																	
40	Supply & Installation of HT Danger Board as per TP Central Orissa Distribution Ltd. specification	1036	EA																	
41	Painting of RS JOIST pole	1011	EA																	
42	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	20000	Mtr.																	

43	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	20000	Mtr.																	
44	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr.																	
45	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr.																	
46	Dismantling of RS Joist pole(150x150mm/Rail pole) & return back to section store	200	No																	
47	Dismantling of RS Joist pole(116x100mm)	200	No																	
48	Dismantling of PSC pole(9mtr)	150	No																	
49	Dismantling of 11KV 'V' Cross arm	200	No																	
50	Dismantling of 11KV GI pin with insulator	600	No																	
51	Dismantling of 11KV Disc insulator with HW Fitting	150	No																	
52	Dismantling of MS Channel from 11KV Pole / DP	1000	Kg																	
53	Dismantling of 55mm <sup>2</sup> AAA Conductor	200	KM																	
54	Dismantling of 80mm <sup>2</sup> AAA Conductor	200	KM																	



55	Dismantling of 100mm <sup>2</sup> AAA Conductor	200	KM														
56	Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately	400	Trip														

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57	Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately	400	Trip										
58	Provision of 12Hr Crane service for loading and unloading of poles and other items	300	Trip										

**Package 5: BAED (Balugaon Electric Division) Annexure-I**

S.No	Item Description	Quantity (A)	Unit	HSN /SA C Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs/Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C)	All Inclusive Unit rate(D=B+C)	Total All Inclusive Value (Rs.)(Ax D)
1	Supply of Concrete slab for base place size 2ftx2ftx2" thickness for each PSC pole	1922	No.										
2	Supply of 11 KV V cross Arm (10.2 K.g. each )	1638	No.										
3	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	1638	No.										
4	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	1638	Pair										
5	Supply of 11 K.V. Pin Insulator polymer	47814	No.										

6	Supply of 11 K.V. H.W. Fitting (B & S)	2458	No.																
7	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	2458	No.																
8	Supply of H.T. Stay set (Complete ) for 11KV	819	Set																
9	Supply of H.T. Stay Insulator for 11KV pole	819	No.																
10	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	819	Pair																
11	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	8192	K.g.																
12	Supply of Earthing of Support for 11KV Pole ( Coil Type )	1992	No.																
13	Supply of Red Oxide paint (2Kg per 11KV Pole)	4096	Ltr																
14	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	4096	Ltr																
15	Supply of Black Paint ( 0.3Kg per 11KV Pole)	4096	Ltr																
16	Supply of GI barbed wire anticlimbing device 2 Kg. Per support for 11KV Pole	4096	Kg																

17	Supply of 100 x 50 x 6 mm MS channel for Cut point ( 52Kg per Cutpoint)	21299	K.g.																
18	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	308	No's																
19	Supply of 40x6mm GI Flat for neutral	6165	K.g																
20	Errection of RS Joist pole(150x150mm) 11mtr.	70	No.																
21	Errection of 9mtr. long 300kg PSC pole	25	No.																
22	Installation of 11 KV V cross Arm (10.2 K.g. each )	1638	No.																
23	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	1638	No.																
24	Installation of Back Clamp for V cross Arm 1.70Kg each	1638	Pair																
25	Installation of 11 K.V. Pin Insulator	47814	No.																
26	Installation of 11 K.V. DISC Insulator (B & S) Double Disc 70KN With H/W Fitting	2458	No.																
27	Fixing of Stay Set (Complete)	819	No																

28	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900 mm) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	819	No.										
29	Installation of Earthing of Support ( Coil Type )	1992	No.										
30	Installation of Earth Pit,Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	308	No's										
31	Stringing of 80-100mm <sup>2</sup> AAAC	109	KM										
32	Stringing of 55mm <sup>2</sup> AAAC	104	KM										
33	Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = 0.081 0.651Cum	8220	Cum										

34	Couping of support section 15"x15" ( 3.9Cft) height 2'-6' ( 1' - 6" above G.L & 1' - 0' below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	8220	Nos																	
35	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	308	EA																	
36	Supply & Installation of LA 12KV,10KA,Polymer type along with all necessary Ms channel & Earthing as per TPCODL Drawing	335	SET																	
37	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	335	EA																	
38	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	4096	Kg																	

39	Supply of GI Nut , Bolt & Washer of different sizes For line	1500	KG																
40	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	160	EA																
41	Supply & Installation of HT Danger Board as per TP Central Orissa Distribution Ltd. specification	95	EA																
42	Painting of RS JOIST pole	70	EA																
43	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	20000	Mtr .																
44	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	20000	Mtr .																
45	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr .																
46	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr .																
47	Dismantling of RS Joist pole(150x150mm/Rail	200	No																



	pole) & return back to section store												
48	Dismantling of RS Joist pole(116x100mm)	200	No										
49	Dismantling of PSC pole(9mtr)	150	No										
50	Dismantling of 11KV 'V' Cross arm	200	No										
51	Dismantling of 11KV GI pin with insulator	600	No										
52	Dismantling of 11KV Disc insulator with HW Fitting	150	No										
53	Dismantling of MS Channel from 11KV Pole / DP	1000	Kg										
54	Dismantling of 55mm <sup>2</sup> AAA Conductor	200	KM										
55	Dismantling of 80mm <sup>2</sup> AAA Conductor	200	KM										
56	Dismantling of 100mm <sup>2</sup> AAA Conductor	200	KM										

57	Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately	250	Trip										
58	Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with	250	Trip										

	labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately												
59	Provision of 12Hr Crane service for loading and unloading of poles and other items	200	Trip										

**Package 6: NAED-Annexure-1**

S.No	Item Description	Quantity (A)	Unit	HSN /SAC Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs/Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C)	All Inclusive Unit rate(D=B+C)	Total All Inclusive Value (Rs.)(AxD)
1	Supply of Concrete slab for base place size	5508	NO										

	2ftx2ftx2" thickness for each PSC pole												
2	Supply of 11 KV V cross Arm (10.2 K.g. each )	4518	No.										
3	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	4518	No.										
4	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	4518	Pair										
5	Supply of 11 K.V. Pin Insulator polymer	41881	No.										
6	Supply of 11 K.V. H.W. Fitting (B & S )	6776	No.										
7	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	6776	No.										
8	Supply of H.T. Stay set (Complete ) for 11KV	2259	Set										
9	Supply of H.T. Stay Insulator for 11KV pole	2259	No.										
10	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	2259	Pair										
11	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	22588	K.g.										

12	Supply of Earthing of Support for 11KV Pole ( Coil Type )	5647	No.										
13	Supply of Red Oxide paint (2Kg per 11KV Pole)	11294	Ltr										
14	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	11294	Ltr										
15	Supply of Black Paint ( 0.3Kg per 11KV Pole)	11294	Ltr										
16	Supply of GI barbed wire anticlimbing device 2 Kg. Per support for 11KV Pole	11294	Kg										
17	Supply of 100 x 50 x 6 mm MS channel for Cut point ( 52Kg per Cutpoint)	58729	K.g.										
18	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	831	No's										
19	Supply of 40x6mm GI Flat for neutral	16627	K.g										
20	Errrection of RS Joist pole(150x150mm) 11mtr.	139	No.										
21	Errrection of 9mtr. long 300kg PSC pole	5508	No.										

22	Installation of 11 KV V cross Arm (10.2 K.g. each )	4518	No.										
23	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	4518	No.										
24	Installation of Back Clamp for V cross Arm 1.70Kg each	4518	Pair										
25	Installation of 11 K.V. Pin Insulator	41881	No.										
26	Installation of 11 K.V. DISC Insulator (B & S) Double Disc 70KN With H/W Fitting	6776	No.										
27	Fixing of Stay Set (Complete)	2259	No										
28	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900 mm) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	2259	No.										
29	Installation of Earthing of Support ( Coil Type )	5647	No.										

30	Installation of Earth Pit, Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	831	No's										
31	Stringing of 80-100mm <sup>2</sup> AAAC	100	KM										
32	Stringing of 55mm <sup>2</sup> AAAC	150	KM										
33	Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = 0.081 0.651Cum	3740	Cum										
34	Couping of support section 15"x15" ( 3.9Cft) height 2'-6" ( 1' - 6" above G.L & 1' - 0' below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	3740	Nos										
35	Supply & Installation of 400A AB Switch along with all necessary Ms channel	831	EA										

	as per TPCODL Drawing												
36	Supply & Installation of LA 12KV,10KA,Polymer type along with all necessary Ms channel & Earthing as per TPCODL Drawing	416	SET										
37	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	416	EA										
38	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	11294	Kg										
39	Supply of GI Nut , Bolt & Washer of different sizes For line	1500	KG										
40	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	83	EA										



41	Supply & Installation of HT Danger Board as per TP Central Orissa Distribution Ltd. specification	164	EA										
42	Painting of RS JOIST pole	139	EA										
43	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	20000	Mtr.										
44	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	20000	Mtr.										
45	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr.										
46	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr.										
47	Dismantling of RS Joist pole(150x150mm/Rail pole) & return back to section store	200	No										
48	Dismantling of RS Joist pole(116x100mm)	200	No										
49	Dismantling of PSC pole(9mtr)	150	No										
50	Dismantling of 11KV 'V' Cross arm	200	No										

51	Dismantling of 11KV GI pin with insulator	600	No										
52	Dismantling of 11KV Disc insulator with HW Fitting	150	No										
53	Dismantling of MS Channel from 11KV Pole / DP	1000	Kg										
54	Dismantling of 55mm2 AAA Conductor	200	KM										
55	Dismantling of 80mm2 AAA Conductor	200	KM										
56	Dismantling of 100mm2 AAA Conductor	200	KM										

57	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	250	Trip										
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58	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	250	Trip										
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59	Provision of 12Hr Crane service for loading and unloading of poles and other items	200	Trip										
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**Package 7: KED (Khordha Electric Division) -Annexure-1**

S.No	Item Description	Quantity (A)	Unit	HSN /SAC Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs/Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C)	All Inclusive Unit rate(D=B+C)	Total All Inclusive Value (Rs.)(AxD)
1	Supply of Concrete slab for base place size 2ftx2ftx2" thickness for each PSC pole	34	NO										
2	Supply of 11 KV V cross Arm (10.2 K.g. each )	34	No.										
3	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	34	No.										

4	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	3250	Pair																	
5	Supply of 11 K.V. Pin Insulator polymer	52	No.																	
6	Supply of 11 K.V. H.W. Fitting (B & S )	52	No.																	
7	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	17	No.																	
8	Supply of H.T. Stay set (Complete ) for 11KV	17	Set																	
9	Supply of H.T. Stay Insulator for 11KV pole	17	No.																	
10	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	172	Pair																	
11	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	43	K.g.																	
12	Supply of Earthing of Support for 11KV Pole ( Coil Type )	86	No.																	
13	Supply of Red Oxide paint (2Kg per 11KV Pole)	86	Ltr																	
14	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	86	Ltr																	

15	Supply of Black Paint ( 0.3Kg per 11KV Pole)	86	Ltr											
16	Supply of GI barbed wire anticlimbing device 2 Kg. Per support for 11KV Pole	447	Kg											
17	Supply of 100 x 50 x 6 mm MS channel for Cut point ( 52Kg per Cutpoint)	26	K.g.											
18	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	520	No's											
19	Supply of 40x6mm GI Flat for neutral	43	K.g											
20	Errection of RS Joist pole(150x150mm) 11mtr.	25	No.											
21	Errection of 9mtr. long 300kg PSC pole	34	No.											
22	Installation of 11 KV V cross Arm (10.2 K.g. each )	34	No.											
23	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	34	No.											
24	Installation of Back Clamp for V cross Arm 1.70Kg each	3250	Pair											

25	Installation of 11 K.V. Pin Insulator	52	No.										
26	Installation of 11 K.V. DISC Insulator (B & S) Double Disc 70KN With H/W Fitting	17	No.										
27	Fixing of Stay Set (Complete)	17	No										
28	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900 mm) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	43	No.										
29	Installation of Earthing of Support ( Coil Type )	26	No.										
30	Installation of Earth Pit,Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	30	No's										
31	Stringing of 80-100mm2 AAAC	1044	KM										



32	Stringing of 55mm2 AAAC	1044	KM										
33	Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = 0.081 0.651Cum	26	Cum										
34	Couping of support section 15"x15" ( 3.9Cft) height 2'-6" ( 1' - 6" above G.L & 1' - 0' below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	208	Nos										
35	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	208	EA										

36	Supply & Installation of LA 12KV,10KA,Polymer type along with all necessary Ms channel & Earthing as per TPCODL Drawing	86	SET										
37	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	1000	EA										
38	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	100	Kg										
39	Supply of GI Nut , Bolt & Washer of different sizes For line	68	KG										
40	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	43	EA										
41	Supply & Installation of HT Danger Board as	10000	EA										

	per TP Central Orissa Distribution Ltd. specification												
42	Painting of RS JOIST pole	10000	EA										
43	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	10000	Mtr .										
44	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	10000	Mtr .										
45	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	25	Mtr .										
46	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	25	Mtr .										
47	Dismantling of RS Joist pole(150x150mm/Rail pole) & return back to section store	25	No										
48	Dismantling of RS Joist pole(116x100mm)	150	No										
49	Dismantling of PSC pole(9mtr)	150	No										
50	Dismantling of 11KV 'V' Cross arm	150	No										
51	Dismantling of 11KV GI pin with insulator	250	No										

52	Dismantling of 11KV Disc insulator with HW Fitting	20	No										
53	Dismantling of MS Channel from 11KV Pole / DP	20	Kg										
54	Dismantling of 55mm2 AAA Conductor	20	KM										
55	Dismantling of 80mm2 AAA Conductor	75	KM										
56	Dismantling of 100mm2 AAA Conductor	75	KM										

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57	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	50	Trip										
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58	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	250	Trip										
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59	Provision of 12Hr Crane service for loading and unloading of poles and other items	200	Trip										
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**Package8: PED (Puri Electric Division) Annexure-1**

S.No	Item Description	Quantity (A)	Unit	HSN /SAC Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs/Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C)	All Inclusive Unit rate(D=B+C)	Total All Inclusive Value (Rs.)(AxD)
1	Supply of Concrete slab for base place size 2ftx2ftx2" thickness for each PSC pole	214	NO										
2	Supply of 11 KV V cross Arm (10.2 K.g. each )	214	No.										
3	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	214	No.										

4	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	18555	Pair										
5	Supply of 11 K.V. Pin Insulator polymer	320	No.										
6	Supply of 11 K.V. H.W. Fitting (B & S )	320	No.										
7	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	107	No.										
8	Supply of H.T. Stay set (Complete ) for 11KV	107	Set										
9	Supply of H.T. Stay Insulator for 11KV pole	107	No.										
10	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	1068	Pair										
11	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	267	K.g.										
12	Supply of Earthing of Support for 11KV Pole ( Coil Type )	534	No.										
13	Supply of Red Oxide paint (2Kg per 11KV Pole)	534	Ltr										
14	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	534	Ltr										



15	Supply of Black Paint ( 0.3Kg per 11KV Pole)	534	Ltr										
16	Supply of GI barbed wire anticlimbing device 2 Kg. Per support for 11KV Pole	2777	Kg										
17	Supply of 100 x 50 x 6 mm MS channel for Cut point ( 52Kg per Cutpoint)	268	K.g.										
18	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	5367	No's										
19	Supply of 40x6mm GI Flat for neutral	267	K.g										
20	Errection of RS Joist pole(150x150mm) 11mtr.	25	No.										
21	Errection of 9mtr. long 300kg PSC pole	214	No.										
22	Installation of 11 KV V cross Arm (10.2 K.g. each )	214	No.										
23	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	214	No.										
24	Installation of Back Clamp for V cross Arm 1.70Kg each	18555	Pair										

25	Installation of 11 K.V. Pin Insulator	320	No.										
26	Installation of 11 K.V. DISC Insulator (B & S) Double Disc 70KN With H/W Fitting	107	No.										
27	Fixing of Stay Set (Complete)	107	No										
28	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900 mm) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	267	No.										
29	Installation of Earthing of Support ( Coil Type )	268	No.										
30	Installation of Earth Pit,Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	99	No's										
31	Stringing of 80-100mm2 AAAC	78	KM										

32	Stringing of 55mm2 AAAC	6185	KM										
33	Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = 0.081 0.651Cum	6185	Cum										
34	Couping of support section 15"x15" ( 3.9Cft) height 2'-6" ( 1' - 6" above G.L & 1' - 0' below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	268	Nos										
35	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	1073	EA										

36	Supply & Installation of LA 12KV,10KA,Polymer type along with all necessary Ms channel & Earthing as per TPCODL Drawing	1073	SET										
37	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	534	EA										
38	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	1500	Kg										
39	Supply of GI Nut , Bolt & Washer of different sizes For line	118	KG										
40	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	292	EA										
41	Supply & Installation of HT Danger Board as	267	EA										

	per TP Central Orissa Distribution Ltd. specification												
42	Painting of RS JOIST pole	20000	EA										
43	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	20000	Mtr.										
44	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	20000	Mtr.										
45	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr.										
46	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	200	Mtr.										
47	Dismantling of RS Joist pole(150x150mm/Rail pole) & return back to section store	200	No										
48	Dismantling of RS Joist pole(116x100mm)	150	No										
49	Dismantling of PSC pole(9mtr)	200	No										
50	Dismantling of 11KV 'V' Cross arm	600	No										
51	Dismantling of 11KV GI pin with insulator	150	No										

52	Dismantling of 11KV Disc insulator with HW Fitting	1000	No										
53	Dismantling of MS Channel from 11KV Pole / DP	200	Kg										
54	Dismantling of 55mm2 AAA Conductor	200	KM										
55	Dismantling of 80mm2 AAA Conductor	200	KM										
56	Dismantling of 100mm2 AAA Conductor	150	KM										

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57	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	150	Trip										
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58	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	100	Trip										
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59	Provision of 12Hr Crane service for loading and unloading of poles and other items	200	Trip										
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**Package 9: Paradeep-Annexure-1**

S.No	Item Description	Quantity (A)	Unit	HSN /SAC Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs/Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C)	All Inclusive Unit rate(D=B+C)	Total All Inclusive Value (Rs.)(AxD)
1	Supply of Concrete slab for base place size 2ftx2ftx2" thickness for each PSC pole	50	NO										
2	Supply of 11 KV V cross Arm (10.2 K.g. each )	108	No.										
3	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	135	No.										

4	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	108	Pair										
5	Supply of 11 K.V. Pin Insulator polymer	20405	No.										
6	Supply of 11 K.V. H.W. Fitting (B & S )	162	No.										
7	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	162	No.										
8	Supply of H.T. Stay set (Complete ) for 11KV	27	Set										
9	Supply of H.T. Stay Insulator for 11KV pole	27	No.										
10	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	27	Pair										
11	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	270	K.g.										
12	Supply of Earthing of Support for 11KV Pole ( Coil Type )	78	No.										

13	Supply of Red Oxide paint (2Kg per 11KV Pole)	170	Ltr										
14	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	170	Ltr										
15	Supply of Black Paint ( 0.3Kg per 11KV Pole)	270	Ltr										
16	Supply of GI barbed wire anticlimbing device 2 Kg. Per support for 11KV Pole	270	Kg										
17	Supply of 100 x 50 x 6 mm MS channel for Cut point ( 52Kg per Cutpoint)	1404	K.g.										
18	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	251	No's										
19	Supply of 40x6mm GI Flat for neutral	5028	K.g										
20	Errection of RS Joist pole(150x150mm) 11mtr.	28	No.										

21	Errection of 9mtr. long 300kg PSC pole	25	No.										
22	Installation of 11 KV V cross Arm (10.2 K.g. each )	108	No.										
23	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	108	No.										
24	Installation of Back Clamp for V cross Arm 1.70Kg each	108	Pair										
25	Installation of 11 K.V. Pin Insulator	20405	No.										
26	Installation of 11 K.V. DISC Insulator (B & S) Double Disc 70KN With H/W Fitting	162	No.										
27	Fixing of Stay Set (Complete)	27	No										
28	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900mm) using 40mm BHG metal with all labour and material except	27	No.										

	stay set , stay wire , stay insulator .												
29	Installation of Earthing of Support ( Coil Type )	78	No.										
30	Installation of Earth Pit,Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	251	No's										
31	Stringing of 80-100mm <sup>2</sup> AAAC	300	KM										
32	Stringing of 55mm <sup>2</sup> AAAC	200	KM										
33	Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = 0.081 0.651Cum	585	Cum										
34	Couping of support section 15"x15" ( 3.9Cft) height 2'-6' ( 1' - 6" above G.L & 1' - 0' below G.L	585	Nos										

	) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days												
35	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	100	EA										
36	Supply & Installation of LA 12KV,10KA, Polymer type along with all necessary Ms channel & Earthing as per TPCODL Drawing	75	SET										
37	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	75	EA										
38	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	270	Kg										

39	Supply of GI Nut , Bolt & Washer of different sizes For line	1500	KG										
40	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	40	EA										
41	Supply & Installation of HT Danger Board as per TP Central Orissa Distribution Ltd. specification	53	EA										
42	Painting of RS JOIST pole	28	EA										
43	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	20000	Mtr.										
44	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	20000	Mtr.										
45	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16m m2 )	20000	Mtr.										

46	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16m m2 )	20000	Mtr.										
47	Dismantling of RS Joist pole(150x150mm/ Rail pole) & return back to section store	100	No										
48	Dismantling of RS Joist pole(116x100mm)	100	No										
49	Dismantling of PSC pole(9mtr)	150	No										
50	Dismantling of 11KV 'V' Cross arm	200	No										
51	Dismantling of 11KV GI pin with insulator	600	No										
52	Dismantling of 11KV Disc insulator with HW Fitting	150	No										
53	Dismantling of MS Channel from 11KV Pole / DP	1000	Kg										
54	Dismantling of 55mm <sup>2</sup> AAA Conductor	100	KM										



55	Dismantling of 80mm <sup>2</sup> AAA Conductor	100	KM										
56	Dismantling of 100mm <sup>2</sup> AAA Conductor	100	KM										

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57	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	100	Trip										
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58	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	100	Trip										
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59	Provision of 12Hr Crane service for loading and unloading of poles and other items	50	Trip										
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**Package 10: KED-I (Kendrapara Electric Division - 1) Annexure 1**

S.No	Item Description	Quantity (A)	Unit	HSN /SAC Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs/Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C)	All Inclusive Unit rate(D=B+C)	Total All Inclusive Value (Rs.)(AxD)
1	Supply of Concrete slab for base place size 2ftx2ftx2" thickness for each PSC pole	57	NO										
2	Supply of 11 KV V cross Arm (10.2 K.g. each )	228	No.										
3	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	285	No.										
4	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	228	Pair										

5	Supply of 11 K.V. Pin Insulator polymer	31025	No.																
6	Supply of 11 K.V. H.W. Fitting (B & S )	342	No.																
7	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	342	No.																
8	Supply of H.T. Stay set (Complete ) for 11KV	57	Set																
9	Supply of H.T. Stay Insulator for 11KV pole	57	No.																
10	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	57	Pair																
11	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	570	K.g.																
12	Supply of Earthing of Support for 11KV Pole ( Coil Type )	85	No.																
13	Supply of Red Oxide paint (2Kg per 11KV Pole)	456	Ltr																
14	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	456	Ltr																
15	Supply of Black Paint ( 0.3Kg per 11KV Pole)	570	Ltr																
16	Supply of GI barbed wire anticlimbing	570	Kg																

	device 2 Kg. Per support for 11KV Pole												
17	Supply of 100 x 50 x 6 mm MS channel for Cut point ( 52Kg per Cutpoint)	2964	K.g.										
18	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	251	No's										
19	Supply of 40x6mm GI Flat for neutral	5028	K.g										
20	Errection of RS Joist pole(150x150mm) 11mtr.	28	No.										
21	Errection of 9mtr. long 300kg PSC pole	57	No.										
22	Installation of 11 KV V cross Arm (10.2 K.g. each )	228	No.										
23	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	228	No.										
24	Installation of Back Clamp for V cross Arm 1.70Kg each	228	Pair										
25	Installation of 11 K.V. Pin Insulator	31025	No.										
26	Installation of 11 K.V. DISC Insulator (B & S)	342	No.										

	Double Disc 70KN With H/W Fitting												
27	Fixing of Stay Set (Complete)	57	No										
28	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900 mm) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	57	No.										
29	Installation of Earthing of Support ( Coil Type )	85	No.										
30	Installation of Earth Pit,Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	251	No's										
31	Stringing of 80-100mm <sup>2</sup> AAAC	121	KM										
32	Stringing of 55mm <sup>2</sup> AAAC	92	KM										
33	Concreting of support C.C - 1:4:8 using 40mm BHG metal size	2588	Cum										

	- 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = 0.081 0.651Cum												
34	Couping of support section 15"x15" ( 3.9Cft) height 2'-6' ( 1' - 6" above G.L & 1' - 0' below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	2588	Nos										
35	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	251	EA										
36	Supply & Installation of LA 12KV,10KA,Polymer type along with all necessary Ms channel & Earthing as per TPCODL Drawing	1025	SET										



37	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	1025	EA										
38	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	570	Kg										
39	Supply of GI Nut , Bolt & Washer of different sizes For line	1500	KG										
40	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	70	EA										
41	Supply & Installation of HT Danger Board as per TP Central Orissa Distribution Ltd. specification	285	EA										
42	Painting of RS JOIST pole	219	EA										
43	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	20000	Mtr.										

44	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	20000	Mtr.										
45	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr.										
46	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr.										
47	Dismantling of RS Joist pole(150x150mm/Rail pole) & return back to section store	200	No										
48	Dismantling of RS Joist pole(116x100mm)	200	No										
49	Dismantling of PSC pole(9mtr)	150	No										
50	Dismantling of 11KV 'V' Cross arm	200	No										
51	Dismantling of 11KV GI pin with insulator	600	No										
52	Dismantling of 11KV Disc insulator with HW Fitting	150	No										
53	Dismantling of MS Channel from 11KV Pole / DP	1000	Kg										

54	Dismantling of 55mm2 AAA Conductor	200	KM										
55	Dismantling of 80mm2 AAA Conductor	200	KM										
56	Dismantling of 100mm2 AAA Conductor	200	KM										

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57	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	250	Trip										
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58	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	250	Trip										
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59	Provision of 12Hr Crane service for loading and unloading of poles and other items	250	Trip										
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**Package 11: KED-II (Kendrapara Electric Division) - II) Annexure-1**

S.No	Item Description	Quantity (A)	Unit	HSN /SA C Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs/Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C)	All Inclusive Unit rate(D=B+C)	Total All Inclusive Value (Rs.)(Ax D)
1	Supply of Concrete slab for base place size 2ftx2ftx2" thickness for each PSC pole	1105	NO										
2	Supply of 11 KV V cross Arm (10.2 K.g. each )	1105	No.										
3	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	1105	No.										

4	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	38548	Pair																
5	Supply of 11 K.V. Pin Insulator polymer	1657	No.																
6	Supply of 11 K.V. H.W. Fitting (B & S )	1657	No.																
7	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	552	No.																
8	Supply of H.T. Stay set (Complete ) for 11KV	552	Set																
9	Supply of H.T. Stay Insulator for 11KV pole	552	No.																
10	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	5524	Pair																
11	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	1381	K.g.																
12	Supply of Earthing of Support for 11KV Pole ( Coil Type )	2762	No.																
13	Supply of Red Oxide paint (2Kg per 11KV Pole)	2762	Ltr																

14	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	2762	Ltr										
15	Supply of Black Paint ( 0.3Kg per 11KV Pole)	2762	Ltr										
16	Supply of GI barbed wire anticlimbing device 2 Kg. Per support for 11KV Pole	14362	Kg										
17	Supply of 100 x 50 x 6 mm MS channel for Cut point ( 52Kg per Cutpoint)	287	K.g.										
18	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	5734	No's										
19	Supply of 40x6mm GI Flat for neutral	1381	K.g										
20	Errrection of RS Joist pole(150x150mm) 11mtr.	25	No.										
21	Errrection of 9mtr. long 300kg PSC pole	1105	No.										
22	Installation of 11 KV V cross Arm (10.2 K.g. each )	1105	No.										
23	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	1105	No.										



24	Installation of Back Clamp for V cross Arm 1.70Kg each	38548	Pair										
25	Installation of 11 K.V. Pin Insulator	1657	No.										
26	Installation of 11 K.V. DISC Insulator (B & S) Double Disc 70KN With H/W Fitting	552	No.										
27	Fixing of Stay Set (Complete)	552	No										
28	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900 mm) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	1381	No.										
29	Installation of Earthing of Support ( Coil Type )	287	No.										
30	Installation of Earth Pit,Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	115	No's										

31	Stringing of 80-100mm <sup>2</sup> AAAC	92	KM										
32	Stringing of 55mm <sup>2</sup> AAAC	2825	KM										
33	Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = 0.081 0.651Cum	2825	Cum										
34	Couping of support section 15"x15" ( 3.9Cft) height 2'-6' ( 1' - 6" above G.L & 1' - 0" below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	287	Nos										
35	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	1147	EA										

36	Supply & Installation of LA 12KV,10KA,Polymer type along with all necessary Ms channel & Earthing as per TPCODL Drawing	1147	SET										
37	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	2762	EA										
38	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	1500	Kg										
39	Supply of GI Nut , Bolt & Washer of different sizes For line	69	KG										
40	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	1406	EA										
41	Supply & Installation of HT Danger Board	1381	EA										

	as per TP Central Orissa Distribution Ltd. specification												
42	Painting of RS JOIST pole	20000	EA										
43	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	20000	Mtr.										
44	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	20000	Mtr.										
45	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr.										
46	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	200	Mtr.										
47	Dismantling of RS Joist pole(150x150mm/Rail pole) & return back to section store	200	No										
48	Dismantling of RS Joist pole(116x100mm)	150	No										
49	Dismantling of PSC pole(9mtr)	200	No										
50	Dismantling of 11KV 'V' Cross arm	600	No										

51	Dismantling of 11KV GI pin with insulator	150	No										
52	Dismantling of 11KV Disc insulator with HW Fitting	1000	No										
53	Dismantling of MS Channel from 11KV Pole / DP	200	Kg										
54	Dismantling of 55mm <sup>2</sup> AAA Conductor	200	KM										
55	Dismantling of 80mm <sup>2</sup> AAA Conductor	200	KM										
56	Dismantling of 100mm <sup>2</sup> AAA Conductor	300	KM										

57	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	300	Trip										
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58	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	300	Trip										
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59	Provision of 12Hr Crane service for loading and unloading of poles and other items	250	Trip											
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**Package 12 : Jagatsinghpur Annexure-1**

S.No	Item Description	Quantity (A)	Unit	HSN /SAC Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs/Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C)	All Inclusive Unit rate(D=B+C)	Total All Inclusive Value (Rs.)(AxD)
1	Supply of Concrete slab for base place size 2ftx2ftx2" thickness for each PSC pole	546	NO										
2	Supply of 11 KV V cross Arm (10.2 K.g. each )	437	No.										
3	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	437	No.										
4	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	437	Pair										



5	Supply of 11 K.V. Pin Insulator polymer	24648	No.																
6	Supply of 11 K.V. H.W. Fitting (B & S )	655	No.																
7	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	655	No.																
8	Supply of H.T. Stay set (Complete ) for 11KV	218	Set																
9	Supply of H.T. Stay Insulator for 11KV pole	218	No.																
10	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	218	Pair																
11	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	2184	K.g.																
12	Supply of Earthing of Support for 11KV Pole ( Coil Type )	546	No.																
13	Supply of Red Oxide paint (2Kg per 11KV Pole)	1092	Ltr																
14	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	1092	Ltr																
15	Supply of Black Paint ( 0.3Kg per 11KV Pole)	1092	Ltr																
16	Supply of GI barbed wire anticlimbing	1092	Kg																

	device 2 Kg. Per support for 11KV Pole												
17	Supply of 100 x 50 x 6 mm MS channel for Cut point ( 52Kg per Cutpoint)	5678	K.g.										
18	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	192	No's										
19	Supply of 40x6mm GI Flat for neutral	3835	K.g										
20	Errection of RS Joist pole(150x150mm) 11mtr.	25	No.										
21	Errection of 9mtr. long 300kg PSC pole	437	No.										
22	Installation of 11 KV V cross Arm (10.2 K.g. each )	437	No.										
23	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	437	No.										
24	Installation of Back Clamp for V cross Arm 1.70Kg each	24648	Pair										
25	Installation of 11 K.V. Pin Insulator	655	No.										
26	Installation of 11 K.V. DISC Insulator (B & S)	218	No.										

	Double Disc 70KN With H/W Fitting												
27	Fixing of Stay Set (Complete)	218	No										
28	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900 mm) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	546	No.										
29	Installation of Earthing of Support ( Coil Type )	192	No.										
30	Installation of Earth Pit,Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	92	No's										
31	Stringing of 80-100mm <sup>2</sup> AAAC	3095	KM										
32	Stringing of 55mm <sup>2</sup> AAAC	3095	KM										
33	Concreting of support C.C - 1:4:8 using 40mm BHG metal size	192	Cum										

	- 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = 0.081 0.651Cum												
34	Couping of support section 15"x15" ( 3.9Cft) height 2'-6' ( 1' - 6" above G.L & 1' - 0' below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	767	Nos										
35	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	767	EA										
36	Supply & Installation of LA 12KV,10KA,Polymer type along with all necessary Ms channel & Earthing as per TPCODL Drawing	1092	SET										

37	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	1500	EA										
38	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	31	Kg										
39	Supply of GI Nut , Bolt & Washer of different sizes For line	25	KG										
40	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	20000	EA										
41	Supply & Installation of HT Danger Board as per TP Central Orissa Distribution Ltd. specification	20000	EA										
42	Painting of RS JOIST pole	20000	EA										
43	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	20000	Mtr.										

44	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	200	Mtr.										
45	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	200	Mtr.										
46	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	150	Mtr.										
47	Dismantling of RS Joist pole(150x150mm/Rail pole) & return back to section store	200	No										
48	Dismantling of RS Joist pole(116x100mm)	600	No										
49	Dismantling of PSC pole(9mtr)	150	No										
50	Dismantling of 11KV 'V' Cross arm	1000	No										
51	Dismantling of 11KV GI pin with insulator	200	No										
52	Dismantling of 11KV Disc insulator with HW Fitting	200	No										
53	Dismantling of MS Channel from 11KV Pole / DP	200	Kg										
54	Dismantling of 55mm <sup>2</sup> AAA Conductor	200	KM										

55	Dismantling of 80mm2 AAA Conductor	200	KM										
56	Dismantling of 100mm2 AAA Conductor	200	KM										

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57	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	300	Trip												
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58	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	300	Trip														
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59	Provision of 12Hr Crane service for loading and unloading of poles and other items	250	Trip											
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**Package 13:CDD-I (City Distribution Division – I) Annexure-I**

S.No	Item Description	Quantity (A)	Unit	HSN /SA C Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs/Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C)	All Inclusive Unit rate(D=B+C)	Total All Inclusive Value (Rs.)(Ax D)
1	Supply of 11 KV V cross Arm (10.2 K.g. each)	49	No.										
2	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	49	No.										
3	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	49	Pair										
4	Supply of 11 K.V. Pin Insulator polymer	3236	No.										
5	Supply of 11 K.V. H.W. Fitting (B & S)	73	No.										
6	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	73	No.										

7	Supply of H.T. Stay set (Complete ) for 11KV	24	Set																
8	Supply of H.T. Stay Insulator for 11KV pole	24	No.																
9	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	24	Pair																
10	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	244	K.g.																
11	Supply of Earthing of Support for 11KV Pole ( Coil Type )	61	No.																
12	Supply of Red Oxide paint (2Kg per 11KV Pole)	122	Ltr																
13	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	122	Ltr																
14	Supply of Black Paint ( 0.3Kg per 11KV Pole)	122	Ltr																
15	Supply of GI barbed wire anticlimbing device 2 Kg. Per support for 11KV Pole	122	Kg																
16	Supply of 100 x 50 x 6 mm MS channel for Cut point ( 52Kg per Cutpoint)	634	K.g.																
17	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	27	No' s																

18	Supply of 40x6mm GI Flat for neutral	539	K.g										
19	Errection of RS Joist pole(150x150mm) 11mtr.	61	No.										
20	Errection of 9mtr. long 300kg PSC pole	25	No.										
21	Installation of 11 KV V cross Arm (10.2 K.g. each )	49	No.										
22	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	49	No.										
23	Installation of Back Clamp for V cross Arm 1.70Kg each	49	Pair										
24	Installation of 11 K.V. Pin Insulator	3236	No.										
25	Installation of 11 K.V. Polymer DISC Insulator (B & S) 70KN With H/W Fitting	73	No.										
26	Fixing of Stay Set (Complete)	24	No										
27	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900 mm) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	24	No.										

28	Installation of Earthing of Support ( Coil Type )	61	No.										
29	Installation of Earth Pit,Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	27	No's										
30	Stringing of 80-100mm <sup>2</sup> AAAC	29	KM										
31	Stringing of 55mm <sup>2</sup> AAAC	2	KM										
32	Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = $\frac{0.081}{0.651}$ Cum	468	Cum										
33	Couping of support section 15"x15" ( 3.9Cft) height 2'-6' ( 1' - 6" above G.L & 1' - 0' below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	468	Nos										
34	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	27	EA										

35	Supply & Installation of LA 12KV, 10KA, Polymer type along with all necessary Ms channel & Earthing as per TPCODL Drawing	215	SET										
36	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	215	EA										
37	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	122	Kg										
38	Supply of GI Nut , Bolt & Washer of different sizes For line	1500	KG										
39	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	102	EA										
40	Supply & Installation of HT Danger Board as per TP Central Orissa Distribution Ltd. specification	86	EA										
41	Painting of RS JOIST pole	61	EA										
42	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	20000	Mtr.										
43	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	20000	Mtr.										
44	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr.										

45	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr.																
46	Dismantling of RS Joist pole(150x150mm/Rail pole) & return back to section store	200	No																
47	Dismantling of RS Joist pole(116x100mm)	200	No																
48	Dismantling of PSC pole(9mtr)	150	No																
49	Dismantling of 11KV 'V' Cross arm	200	No																
50	Dismantling of 11KV GI pin with insulator	600	No																
51	Dismantling of 11KV Disc insulator with HW Fitting	150	No																
52	Dismantling of MS Channel from 11KV Pole / DP	1000	Kg																
53	Dismantling of 55mm <sup>2</sup> AAA Conductor	200	KM																
54	Dismantling of 80mm <sup>2</sup> AAA Conductor	200	KM																
55	Dismantling of 100mm <sup>2</sup> AAA Conductor	200	KM																

56	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	125	Trip														
57	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading,</p>	125	Trip														



	unloading is to be done with crane and will be paid separately												
58	Provision of 12Hr Crane service for loading and unloading of poles and other items	50	Trip										

**Package 14 : CDD-II (City Distribution Division – I) Annexure-I**

S.No	Item Description	Quantity (A)	Unit	HSN /SA C Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs/Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C)	All Inclusive Unit rate(D=B+C)	Total All Inclusive Value (Rs.)(Ax D)
1	Supply of 11 KV V cross Arm (10.2 K.g. each)	294	No.										
2	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	294	No.										
3	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	294	Pair										

4	Supply of 11 K.V. Pin Insulator polymer	15124	No.																
5	Supply of 11 K.V. H.W. Fitting (B & S )	442	No.																
6	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	442	No.																
7	Supply of H.T. Stay set (Complete ) for 11KV	147	Set																
8	Supply of H.T. Stay Insulator for 11KV pole	147	No.																
9	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	147	Pair																
10	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	1472	K.g.																
11	Supply of Earthing of Support for 11KV Pole ( Coil Type )	368	No.																
12	Supply of Red Oxide paint (2Kg per 11KV Pole)	736	Ltr																
13	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	736	Ltr																
14	Supply of Black Paint ( 0.3Kg per 11KV Pole)	736	Ltr																
15	Supply of GI barbed wire anticlimbing	736	Kg																

	device 2 Kg. Per support for 11KV Pole												
16	Supply of 100 x 50 x 6 mm MS channel for Cut point ( 52Kg per Cutpoint)	3827	K.g.										
17	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	117	No's										
18	Supply of 40x6mm GI Flat for neutral	2337	K.g										
19	Errrection of RS Joist pole(150x150mm) 11mtr.	368	No.										
20	Errrection of 9mtr. long 300kg PSC pole	25	No.										
21	Installation of 11 KV V cross Arm (10.2 K.g. each )	294	No.										
22	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	294	No.										
23	Installation of Back Clamp for V cross Arm 1.70Kg each	294	Pair										
24	Installation of 11 K.V. Pin Insulator	15124	No.										
25	Installation of 11 K.V.Polymer DISC Insulator (B & S) 70KN With H/W Fitting	442	No.										

26	Fixing of Stay Set (Complete)	147	No										
27	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900 mm) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	147	No.										
28	Installation of Earthing of Support ( Coil Type )	368	No.										
29	Installation of Earth Pit,Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	117	No's										
30	Stringing of 80-100mm <sup>2</sup> AAAC	119	KM										
31	Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm =	1954	Cum										

	0.081 0.651Cum												
32	Couping of support section 15"x15" ( 3.9Cft) height 2'-6' ( 1' - 6" above G.L & 1' - 0' below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	1954	Nos										
33	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	117	EA										
34	Supply & Installation of LA 12KV,10KA,Polymer type along with all necessary Ms channel & Earthing as per TPCODL Drawing	198	SET										
35	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	198	EA										

36	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	736	Kg																	
37	Supply of GI Nut , Bolt & Washer of different sizes For line	1500	KG																	
38	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	79	EA																	
39	Supply & Installation of HT Danger Board as per TP Central Orissa Distribution Ltd. specification	393	EA																	
40	Painting of RS JOIST pole	368	EA																	
41	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	20000	Mtr .																	
42	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	20000	Mtr .																	
43	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr .																	

44	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr	.															
45	Dismantling of RS Joist pole(150x150mm/Rail pole) & return back to section store	200	No																
46	Dismantling of RS Joist pole(116x100mm)	200	No																
47	Dismantling of PSC pole(9mtr)	150	No																
48	Dismantling of 11KV 'V' Cross arm	200	No																
49	Dismantling of 11KV GI pin with insulator	600	No																
50	Dismantling of 11KV Disc insulator with HW Fitting	150	No																
51	Dismantling of MS Channel from 11KV Pole / DP	1000	Kg																
52	Dismantling of 55mm <sup>2</sup> AAA Conductor	200	KM																
53	Dismantling of 80mm <sup>2</sup> AAA Conductor	200	KM																
54	Dismantling of 100mm <sup>2</sup> AAA Conductor	200	KM																

55	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	150	Trip										
56	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with</p>	150	Trip										



	labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately												
57	Provision of 12Hr Crane service for loading and unloading of poles and other items	100	Trip										

**Package 15: CED (Cuttack Electric Division ) Annexure-I**

S.No	Item Description	Quantity (A)	Unit	HSN /SA C Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs/Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C)	All Inclusive Unit rate(D=B+C)	Total All Inclusive Value (Rs.)(Ax D)
1	Supply of Concrete slab for base place size 2ftx2ftx2" thickness for each PSC pole	865	No.										
2	Supply of 11 KV V cross Arm (10.2 K.g. each )	692	No.										
3	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	692	No.										
4	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	692	Pair										
5	Supply of 11 K.V. Pin Insulator polymer	51797	No.										
6	Supply of 11 K.V. H.W. Fitting (B & S )	1038	No.										
7	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	1038	No.										

8	Supply of H.T. Stay set (Complete ) for 11KV	346	Set										
9	Supply of H.T. Stay Insulator for 11KV pole	346	No.										
10	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	346	Pair										
11	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	3460	K.g.										
12	Supply of Earthing of Support for 11KV Pole ( Coil Type )	865	No.										
13	Supply of Red Oxide paint (2Kg per 11KV Pole)	1730	Ltr										
14	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	1730	Ltr										
15	Supply of Black Paint ( 0.3Kg per 11KV Pole)	1730	Ltr										
16	Supply of GI barbed wire anticlimbing device 2 Kg. Per support for 11KV Pole	1730	Kg										
17	Supply of 100 x 50 x 6 mm MS channel for Cut point ( 52Kg per Cutpoint)	8996	K.g.										
18	Supply of GI Pipe for Earthing 40 Dia	410	No's										

	Medium gage 3 mtrs. Long												
19	Supply of 40x6mm GI Flat for neutral	8200	K.g										
20	Errection of 9mtr. long 300kg PSC pole	865	No.										
21	Installation of 11 KV V cross Arm (10.2 K.g. each )	692	No.										
22	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	692	No.										
23	Installation of Back Clamp for V cross Arm 1.70Kg each	692	Pair										
24	Installation of 11 K.V. Pin Insulator	51797	No.										
25	Installation of 11 K.V. DISC Insulator (B & S) Double Disc 70KN With H/W Fitting	1038	No.										
26	Fixing of Stay Set (Complete)	346	No										
27	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900 mm) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	346	No.										

28	Installation of Earthing of Support ( Coil Type )	865	No.										
29	Installation of Earth Pit,Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	410	No's										
30	Stringing of 80-100mm2 AAAC	155	KM										
31	Stringing of 55mm2 AAAC	108	KM										
32	Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = 0.081 0.651Cum	3548	Cum										
33	Couping of support section 15"x15" ( 3.9Cft) height 2'-6' ( 1' - 6" above G.L & 1' - 0' below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	3548	Nos										

34	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	410	EA										
35	Supply & Installation of LA 12KV,10KA,Polymer type along with all necessary Ms channel & Earthing as per TPCODL Drawing	438	SET										
36	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	438	EA										
37	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	1730	Kg										
38	Supply of GI Nut , Bolt & Washer of different sizes For line	1500	KG										
39	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	88	EA										

40	Supply & Installation of HT Danger Board as per TP Central Orissa Distribution Ltd. Specification	25	EA																
41	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	20000	Mtr .																
42	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	20000	Mtr .																
43	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr .																
44	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr .																
45	Dismantling of RS Joist pole(150x150mm/Rail pole) & return back to section store	200	No																
46	Dismantling of RS Joist pole(116x100mm)	200	No																
47	Dismantling of PSC pole(9mtr)	150	No																
48	Dismantling of 11KV 'V' Cross arm	200	No																
49	Dismantling of 11KV GI pin with insulator	600	No																
50	Dismantling of 11KV Disc insulator with HW Fitting	150	No																

51	Dismantling of MS Channel from 11KV Pole / DP	1000	Kg										
52	Dismantling of 55mm2 AAA Conductor	200	KM										
53	Dismantling of 80mm2 AAA Conductor	200	KM										
54	Dismantling of 100mm2 AAA Conductor	200	KM										
55	Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be	125	Trip										



	done with crane and will be paid separately												
56	Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately	125	Trip										

57	Provision of 12Hr Crane service for loading and unloading of poles and other items	70	Trip											
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**Package 16: AED (Atthagarh Electric Division) Annexure-I**

S.No	Item Description	Quantity (A)	Unit	HSN / SAC Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs./Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C)	All Inclusive Unit rate(D=B+C)	Total All Inclusive (Rs.) (AxD)	Value
1	Supply of Concrete slab for base place size 2ftx2ftx2" thickness for each PSC pole	5608	No.											
2	Supply of 11 KV V cross Arm (10.2 K.g. each )	4486	No.											
3	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	4486	No.											
4	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	4486	Pair											

5	Supply of 11 K.V. Pin Insulator polymer	45200	No.																	
6	Supply of 11 K.V. H.W. Fitting (B & S)	6730	No.																	
7	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	6730	No.																	
8	Supply of H.T. Stay set (Complete ) for 11KV	2243	Set																	
9	Supply of H.T. Stay Insulator for 11KV pole	2243	No.																	
10	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	2243	Pair																	
11	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	56080	K.g.																	
12	Supply of Earthing of Support for 11KV Pole ( Coil Type )	5608	No.																	
13	Supply of Red Oxide paint (2Kg per 11KV Pole)	11216	Ltr																	
14	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	11216	Ltr																	
15	Supply of Black Paint ( 0.3Kg per 11KV Pole)	11216	Ltr																	

16	Supply of GI barbed wire anticlimbing device 2 Kg. Per support for 11KV Pole	11216	Kg																
17	Supply of 100 x 50 x 6 mm MS channel for Cut point ( 52Kg per Cutpoint)	58323	K.g																
18	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	372	No's																
19	Supply of 40x6mm GI Flat for neutral	7438	K.g																
20	Errection of 9mtr. long 300kg PSC pole	5608	No.																
21	Installation of 11 KV V cross Arm (10.2 K.g. each )	4486	No.																
22	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	4486	No.																
23	Installation of Back Clamp for V cross Arm 1.70Kg each	4486	Pair																
24	Installation of 11 K.V. Pin Insulator	45200	No.																
25	Installation of 11 K.V. Polymer DISC Insulator (B & S)	6730	No.																

	70KN With H/W Fitting												
26	Fixing of Stay Set (Complete)	2243	No										
27	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900mm) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	2243	No.										
28	Installation of Earthing of Support ( Coil Type )	5608	No.										
29	Installation of Earth Pit,Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	372	No's										
30	Stringing of 80-100mm <sup>2</sup> AAAC	171	KM										
31	Stringing of 55mm <sup>2</sup> AAAC	113	KM										

32	<p>Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum          Padding 900x600x150mm = 0.081          0.651Cum</p>	4064	Cum											
33	<p>Couping of support section 15"x15" ( 3.9Cft) height 2'-6' ( 1' - 6" above G.L &amp; 1' - 0' below G.L ) in C.C 1:2:4 using 12mm BHG metal &amp; curing for 5 days</p>	4064	Nos											
34	<p>Supply &amp; Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing</p>	372	EA											
35	<p>Supply &amp; Installation of LA 12KV,10KA,Polymer type along with all necessary Ms channel &amp; Earthing as per TPCODL Drawing</p>	473	SET											

36	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	473	EA																	
37	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	11216	Kg																	
38	Supply of GI Nut , Bolt & Washer of different sizes For line	1500	KG																	
39	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	95	EA																	
40	Supply & Installation of HT Danger Board as per TP Central Orissa Distribution Ltd. specification	5608	EA																	
41	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	20000	Mt r.																	

42	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	20000	Mt r.																	
43	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm 2 )	20000	Mt r.																	
44	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm 2 )	20000	Mt r.																	
45	Dismantling of RS Joist pole(150x150mm/R ail pole) & return back to section store	200	No																	
46	Dismantling of RS Joist pole(116x100mm)	200	No																	
47	Dismantling of PSC pole(9mtr)	2000	No																	
48	Dismantling of 11KV 'V' Cross arm	2000	No																	
49	Dismantling of 11KV GI pin with insulator	600	No																	
50	Dismantling of 11KV Disc insulator with HW Fitting	150	No																	
51	Dismantling of MS Channel from 11KV Pole / DP	1000	Kg																	



52	Dismantling of 55mm <sup>2</sup> AAA Conductor	200	KM																	
53	Dismantling of 80mm <sup>2</sup> AAA Conductor	200	KM																	
54	Dismantling of 100mm <sup>2</sup> AAA Conductor	200	KM																	
55	Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with	250	Trip																	

	crane and will be paid separately												
56	Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT	250	Tri p										

	Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately												
57	Provision of 12Hr Crane service for loading and unloading of poles and other items	200	Trip										

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**Package 17: SED (Salepur Electric Division) Annexure-I**

Sr.No	Item Description	Quantity (A)	Unit	HSN /SAC Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs/Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C)	All Inclusive Unit rate(D =B+C)	Total All Inclusive (Rs.)(AxD)	Additional (Rs.)(AxD)
1	Supply of Concrete slab for base place size 2ftx2ftx2" thickness for each PSC pole	1305	No.											
2	Supply of 11 KV V cross Arm (10.2 K.g. each )	1044	No.											
3	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	1044	No.											
4	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	1044	Pair											
5	Supply of 11 K.V. Pin Insulator polymer	31678	No.											
6	Supply of 11 K.V. H.W. Fitting (B & S )	1566	No.											
7	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	1566	No.											
8	Supply of H.T. Stay set (Complete ) for 11KV	522	Set											

9	Supply of H.T. Stay Insulator for 11KV pole	522	No.																	
10	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	522	Pair																	
11	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	5220	K.g.																	
12	Supply of Earthing of Support for 11KV Pole ( Coil Type )	1305	No.																	
13	Supply of Red Oxide paint (2Kg per 11KV Pole)	2610	Ltr																	
14	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	2610	Ltr																	
15	Supply of Black Paint ( 0.3Kg per 11KV Pole)	2610	Ltr																	
16	Supply of GI barbed wire anticlimbing device 2 Kg. Per support for 11KV Pole	2610	Kg																	
17	Supply of 100 x 50 x 6 mm MS channel for Cut point ( 52Kg per Cutpoint)	13572	K.g.																	
18	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	231	No's																	
19	Supply of 40x6mm GI Flat for neutral	4627	K.g																	

20	Errection of 9mtr. long 300kg PSC pole	1305	No.																	
21	Installation of 11 KV V cross Arm (10.2 K.g. each )	1044	No.																	
22	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	1044	No.																	
23	Installation of Back Clamp for V cross Arm 1.70Kg each	1044	Pair																	
24	Installation of 11 K.V. Pin Insulator	31678	No.																	
25	Installation of 11 K.V. Polymer DISC Insulator (B & S) 70KN With H/W Fitting	1566	No.																	
26	Fixing of Stay Set (Complete)	522	No.																	
27	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900m m) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	522	No.																	
28	Installation of Earthing of Support ( Coil Type )	1305	No.																	

29	Installation of Earth Pit, Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	231	No's																	
30	Stringing of 80-100mm <sup>2</sup> AAAC	81	KM																	
31	Stringing of 55mm <sup>2</sup> AAAC	105	KM																	
32	Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = 0.081 0.651Cum	2550	Cum																	
33	Couping of support section 15"x15" ( 3.9Cft) height 2'-6" ( 1' - 6" above G.L & 1' - 0" below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	2550	No's																	
34	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	231	EA																	





42	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	20000	M tr.																	
43	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	M tr.																	
44	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	M tr.																	
45	Dismantling of RS Joist pole(150x150mm/Rail pole) & return back to section store	200	No																	
46	Dismantling of RS Joist pole(116x100mm)	200	No																	
47	Dismantling of PSC pole(9mtr)	150	No																	
48	Dismantling of 11KV 'V' Cross arm	200	No																	
49	Dismantling of 11KV GI pin with insulator	600	No																	
50	Dismantling of 11KV Disc insulator with HW Fitting	150	No																	
51	Dismantling of MS Channel from 11KV Pole / DP	1000	Kg																	
52	Dismantling of 55mm <sup>2</sup> AAA Conductor	200	KM																	
53	Dismantling of 80mm <sup>2</sup> AAA Conductor	200	KM																	
54	Dismantling of 100mm <sup>2</sup> AAA Conductor	200	KM																	

55	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	125	Trip											
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56	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	125	Trip												
57	<p>Provision of 12Hr Crane service for loading and unloading of poles and other items</p>	75	Trip												

**Package 18: DED (Dhenkanal Electric Division) Annexure-I**

Sr.No	Item Description	Quantity (A)	Unit	HSN /SA C Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs/Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C)	All Inclusive Unit rate(D=B+C)	Total All Inclusive Value (Rs.)(Ax D)
1	Supply of Concrete slab for base place size 2ftx2ftx2" thickness for each PSC pole	3340	No.										
2	Supply of 11 KV V cross Arm (10.2 K.g. each )	3472	No.										
3	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	3472	No.										
4	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	3472	Pair										
5	Supply of 11 K.V. Pin Insulator polymer	37957	No.										

6	Supply of 11 K.V. H.W. Fitting (B & S )	5208	No.																
7	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	5208	No.																
8	Supply of H.T. Stay set (Complete ) for 11KV	1736	Set																
9	Supply of H.T. Stay Insulator for 11KV pole	1736	No.																
10	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	1736	Pair																
11	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	17360	K.g.																
12	Supply of Earthing of Support for 11KV Pole ( Coil Type )	4340	No.																
13	Supply of Red Oxide paint (2Kg per 11KV Pole)	8680	Ltr																
14	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	8680	Ltr																
15	Supply of Black Paint ( 0.3Kg per 11KV Pole)	8680	Ltr																
16	Supply of GI barbed wire anticlimbing device 2 Kg. Per support for 11KV Pole	8680	Kg																

17	Supply of 100 x 50 x 6 mm MS channel for Cut point ( 52Kg per Cutpoint)	45136	K.g.																
18	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	208	No's																
19	Supply of 40x6mm GI Flat for neutral	4156	K.g																
20	Errection of RS Joist pole(150x150mm) 11mtr.	1000	No.																
21	Errection of 9mtr. long 300kg PSC pole	3340	No.																
22	Installation of 11 KV V cross Arm (10.2 K.g. each )	3472	No.																
23	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	3472	No.																
24	Installation of Back Clamp for V cross Arm 1.70Kg each	3472	Pair																
25	Installation of 11 K.V. Pin Insulator	37957	No.																
26	Installation of 11 K.V. DISC Insulator (B & S) Double Disc 70KN With H/W Fitting	5208	No.																
27	Fixing of Stay Set (Complete)	1736	No																

28	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size ( 900mmx600mmx900 mm) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	1736	No.										
29	Installation of Earthing of Support ( Coil Type )	4340	No.										
30	Installation of Earth Pit,Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	208	No's										
31	Stringing of 80-100mm <sup>2</sup> AAAC	18	KM										
32	Stringing of 55mm <sup>2</sup> AAAC	18	KM										
33	Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = 0.081 0.651Cum	4492	Cum										

34	Couping of support section 15"x15" ( 3.9Cft) height 2'-6' ( 1' - 6" above G.L & 1' - 0' below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	4492	Nos										
35	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	208	EA										
36	Supply & Installation of LA 12KV,10KA,Polymer type along with all necessary Ms channel & Earthing as per TPCODL Drawing	416	SET										
37	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	416	EA										
38	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	8680	Kg										



39	Supply of GI Nut , Bolt & Washer of different sizes For line	1500	KG										
40	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	83	EA										
41	Supply & Installation of HT Danger Board as per TP Central Orissa Distribution Ltd. Specification	4340	EA										
42	Painting of RS JOIST pole	1000	EA										
43	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	20000	Mtr .										
44	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	20000	Mtr .										
45	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr .										
46	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr .										
47	Dismantling of RS Joist pole(150x150mm/Rail	200	No										

	pole) & return back to section store												
48	Dismantling of RS Joist pole(116x100mm)	200	No										
49	Dismantling of PSC pole(9mtr)	150	No										
50	Dismantling of 11KV 'V' Cross arm	200	No										
51	Dismantling of 11KV GI pin with insulator	600	No										
52	Dismantling of 11KV Disc insulator with HW Fitting	150	No										
53	Dismantling of MS Channel from 11KV Pole / DP	1000	Kg										
54	Dismantling of 55mm <sup>2</sup> AAA Conductor	200	KM										
55	Dismantling of 80mm <sup>2</sup> AAA Conductor	200	KM										
56	Dismantling of 100mm <sup>2</sup> AAA Conductor	200	KM										

57	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately</p>	250	Trip											
58	<p>Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with</p>	250	Trip											

	labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately												
59	Provision of 12Hr Crane service for loading and unloading of poles and other items	200	Trip										

**Package 19: TED (Talcher Electric Division) Annexure-I**

Sr. No	Item Description	Quantity (A)	Unit	HSN /SA C Code	Unit Ex-Work Price (Rs./Unit)	Freight & Insurance Charges (Rs/Unit)	GST (Rs/Unit)	Unit Supply Rate including (Rs.) (B)	Unit Erection Charge (Rs./Unit)	GST (Rs/Unit)	Unit Erection Price including GST (C)	All Inclusive Unit rate(D=B+C)	Total All Inclusive Value (Rs.)(AxD)
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1	Supply of Concrete slab for base place size 2ftx2ftx2" thickness for each PSC pole	2398	No.																
2	Supply of 11 KV V cross Arm (10.2 K.g. each )	1918	No.																
3	Supply of Top bracket 75x40mm MS channel ( 1.3kg each)for 11KV	1918	No.																
4	Supply of Back Clamp for V cross Arm 1.70Kg each For 11KV pole	1918	Pair																
5	Supply of 11 K.V. Pin Insulator polymer	42904	No.																
6	Supply of 11 K.V. H.W. Fitting (B & S )	2878	No.																
7	Supply of 11 K.V. polymer Insulator (B & S) Disc 70KN	2878	No.																
8	Supply of H.T. Stay set (Complete ) for 11KV	959	Set																
9	Supply of H.T. Stay Insulator for 11KV pole	959	No.																
10	Supply of H.T. Stay clamp (1.95 K.g./ Pair ) for 11KV Pole	959	Pair																
11	Supply of 7/10 SWG Stay Wire 10kg /stay for 11KV Pole	9592	K.g																
12	Supply of Earthing of Support for 11KV Pole ( Coil Type )	2398	No.																

13	Supply of Red Oxide paint (2Kg per 11KV Pole)	4796	Ltr																
14	Supply of Aluminium Paint ( 2Kg per 11KV Pole)	4796	Ltr																
15	Supply of Black Paint ( 0.3Kg per 11KV Pole)	4796	Ltr																
16	Supply of GI barbed wire anticlimbing device 2 Kg. Per support for 11KV Pole	4796	Kg																
17	Supply of 100 x 50 x 6 mm MS channel for Cut point ( 52Kg per Cutpoint)	24939	K.g																
18	Supply of GI Pipe for Earthing 40 Dia Medium gage 3 mtrs. Long	578	No's																
19	Supply of 40x6mm GI Flat for neutral	11557	K.g																
20	Errection of 9mtr. long 300kg PSC pole	2398	No.																
21	Installation of 11 KV V cross Arm (10.2 K.g. each )	1918	No.																
22	Installation of Top bracket 75x40mm MS channel ( 1.3kg each)/	1918	No.																
23	Installation of Back Clamp for V cross Arm 1.70Kg each	1918	Pair																
24	Installation of 11 K.V. Pin Insulator	42904	No.																

25	Installation of 11 K.V. Polymer DISC Insulator (B & S) 70KN With H/W Fitting	2878	No.										
26	Fixing of Stay Set (Complete)	959	No										
27	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size (900mmx600mmx900m m) using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator .	959	No.										
28	Installation of Earthing of Support ( Coil Type )	2398	No.										
29	Installation of Earth Pit,Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	578	No's										
30	Stringing of 80-100mm <sup>2</sup> AAAC	220	KM										
31	Stringing of 55mm <sup>2</sup> AAAC	137	KM										
32	Concreting of support C.C - 1:4:8 using 40mm BHG metal size - 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm =	4881	Cum										

	0.081 0.651Cum											
33	Couping of support section 15"x15" ( 3.9Cft) height 2'-6' ( 1' - 6" above G.L & 1' - 0' below G.L ) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days	4881	Nos									
34	Supply & Installation of 400A AB Switch along with all necessary Ms channel as per TPCODL Drawing	578	EA									
35	Supply & Installation of LA 12KV,10KA,Polymer type along with all necessary Ms channel & Earthing as per TPCODL Drawing	595	SET									
36	Installation of DP Switch as per TPCODL Standard along with all necessary MS Channel & civil work, nutbolt etc	595	EA									
37	Installation of GI barbed wire anticlimbing device 2 Kg. Per support	4796	Kg									



38	Supply of GI Nut , Bolt & Washer of different sizes For line	1500	KG																	
39	Installation of Cradle guard for Road crossing as per TPCODL Standard along with all MS Channel, civil work & Eathing, Nutbolt etc	119	EA																	
40	Supply & Installation of HT Danger Board as per TP Central Orissa Distribution Ltd. specification	2398	EA																	
41	Laying / stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> )	20000	Mtr .																	
42	Laying / Stringing of AB Cable( 3 x35 + 1x25mm <sup>2</sup> )	20000	Mtr .																	
43	Laying / Stringing of AB Cable( 3 x50 + 1x35mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr .																	
44	Laying / Stringing of AB Cable( 3 x95 + 1x70mm <sup>2</sup> +1X16mm <sup>2</sup> )	20000	Mtr .																	
45	Dismantling of RS Joist pole(150x150mm/Rail pole) & return back to section store	200	No																	
46	Dismantling of RS Joist pole(116x100mm)	200	No																	
47	Dismantling of PSC pole(9mtr)	500	No																	
48	Dismantling of 11KV 'V' Cross arm	200	No																	

49	Dismantling of 11KV GI pin with insulator	600	No										
50	Dismantling of 11KV Disc insulator with HW Fitting	150	No										
51	Dismantling of MS Channel from 11KV Pole / DP	1000	Kg										
52	Dismantling of 55mm <sup>2</sup> AAA Conductor	200	KM										
53	Dismantling of 80mm <sup>2</sup> AAA Conductor	200	KM										
54	Dismantling of 100mm <sup>2</sup> AAA Conductor	200	KM										
55	Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 407 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately	250	Trip										

56	Transportation of various items from TP Central Orissa Distribution Ltd. store/site to other site or vice versa in TP Central Orissa Distribution Ltd. operational area - Tempo 709 with labours as required (price per trip - Within 30KM). Scope of work also include loading and unloading of materials except heavy items like HT Panel, Transformer, Cable Drum, LT Board where loading, unloading is to be done with crane and will be paid separately	250	Trip									
57	Provision of 12Hr Crane service for loading and unloading of poles and other items	200	Trip									

**Signature & Seal of the Bidder**

**NOTE:**

- The bidders are advised to quote prices strictly in the format attached.
- Bidder should quote as mentioned in "Item description" column i.e. Supply or Installation or Supply and Installation both.
- Bidders need to quote for all Divisions (Packages) as per the above Price schedule, Annexure I. Also bidder need to quote for all the items mentioned in each Division (Package) with a break up of prices for supply and erection of individual items, freight, insurance and Taxes & duties.

- Quotation in all items in each package is mandatory. In case any item is not quoted / any space in the Price Schedule is left blank by the bidder, the cost of such items shall be treated as inclusive and shall be borne by the bidder without any extra cost to TPCODL.
- The bidder must fill each and every column of the format attached. ***Mentioning “extra/inclusive” in any of the column may lead for rejection of the price bid.***
- No cutting/ overwriting in the prices is permissible.
- The unit price to be indicated in col. No. 6 should be exclusive of taxes & duties which are to be indicated in separate columns meant for the purpose.
- The bids will be evaluated commercially on over BOQ basis (all-inclusive lowest cost) for the complete tender as calculated in Schedule of Items
- The prices shall be FOR TPCODL Locations.



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**ANNEXURE II**  
**Technical Specifications**

**Attached:** Technical Specifications & reference drawing

Sr.No.	DESCRIPTION
1	11KV V CROSS ARM materials
2	Design Basis For RS Joist Pole Fdn.-11KV Line
3	RS JOIST FOUNDATION DETAILS - 11KV LINE
4	PSC pole Foundation Details – 11KV LINE
5	GTP ABSWITCH 200A & 400A
6	11 KV AB SWITCH Drawing
7	Conductor Specification size 55,80,100MM <sup>2</sup> AAAC
8	11 KV 200A / 400 AMPS AB SWITCH Drawing
9	11KV Danger Boards Drawing
10	11KV PIN POLYMER
11	Specification for 11kV Polymer Ball and socket disc insulator_TPCL
12	Specification of 9KV & 12kV 10kA Lightning Arrester
13	Specification for different sizes of aluminum lugs_TPCL
14	ENG-C-35 Specification for DANGER PLATE specs revised
15	Specification for Anchor rod_TPCL
16	Stay Set Casting
17	Specifications for Stay wire 7-8 SWG_TPCL
18	Specification of H&W Fitting
18	Specification of Back clamp
19	Specification of F Clamp
20	Approved Make List



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**ANNEXURE III**

**Schedule of Deviations**

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

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

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

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

**Seal of the Bidder:**

**Signature:**

**Name:**



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**ANNEXURE IV**

**Schedule of Commercial Specifications**

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

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

**Seal of the Bidder:**

**Signature:**

**Name:**



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**ANNEXURE V**

**Checklist of all the documents to be submitted with the Bid**

Bidder has to mandatorily fill in the checklist mentioned below:

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

**Seal of the Bidder:**

**Signature:**

**Name**





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**ANNEXURE VI**

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

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

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

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

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

**Signature & Seal of the Bidder**



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

**Scope of Work:**

1. Construction and Augmentation of 11 kV / 1.1 kV line, Installation of DT's of different capacity (1000/630/250 kVA), Auto reclosure, sectionalizer, RMU's and other related Distribution work as per Annexure-1 at all over TPCODL area
2. Necessary statutory clearance from CEI of Orissa & any other authority for energizing the Circuit shall be in the scope of this tender. However, any statutory fees shall be borne by TPCODL on production of documentary evidence.
3. Bidders are requested to visit the site to understand the scope of work, site conditions and requirement prior to bidding. Hence, no price/time escalation shall be admissible on these accounts.
4. Prior erecting any extra items for these scheme- rates should be approved from competent authority.
5. The Bidder should have own Safety equipment like Neon Tester, Portable Earth, Earthing discharge rod, hard barricading, PPEs etc. along with Calibration certificates of all equipments.
6. Successful Bidder will ensure safety and Quality of work by ensuring deployment of competent man-power at site for whole duration and they have to submit the safety report and quality report to TPCODL E-I-C if required.
7. **Taking Over:** After commissioning of the complete system and final approval of Electrical Inspector & compliance to punch points observed to the satisfaction of Projects as per statutory requirements, system shall be handed over to TPCODL. In case taking over by TPCODL is delayed because of reasons not attributable to BA, taking over certificate will be issued by TPCODL & Retention money will be released. It would be considered to be deemed taking over by TPCODL after fully compliance by bidder to all applicable successful testing & compliance to Inspections carried out to the satisfaction of TPCODL Projects & further taking over is pending due to reasons attributable to TPCODL beyond one-month time. However, Retention amount shall be cleared after 03 months at the option of bidder after successful Pre commissioning & EI clearance subject to fulfilling of other terms of Tender (i.e Submission of EPBG etc.) & submission of undertaking from bidder to provide fullest support in future at the time of commissioning.
8. Permissions from road owning agencies & statutory clearances shall be taken by TPCODL, however full support shall be provided by bidder to achieve it.
9. There will be no price escalation given to bidder after issue the RO even if there is delay in the project due to ROW permission.
10. In case any additional material is to be asked to supply after finalization of scope of work in the detailed Engineering, the Extra price and the extension of delivery time (if applicable) as the case may be mutually agreed between TPCODL and Successful Bidder.



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11. Providing the steel barricading/ any other (as per site requirement) as per TPCODL specification will be in Bidder scope, TPCODL will not give any additional cost for this activity. This line item is not mentioned in Tender BOQ and no extra item will be paid to successful bidder in future for this activity.
12. Normal De-watering will be in bidder scope, TPCODL will not give additional cost for this activity, but if there will be huge de-watering or level of water is huge than prices for this activity will be decided mutually. In this case successful bidder has to provide the details back up for this activity.
13. Loading, Unloading & Transportation of all the scrap material to be stacked counted (where material supplied by BA) and loading unloading, transportation of this scrap to TPCODL site/Store as per direction of Engg. In-Charge will be in bidder scope.
14. Crane/ New Generation Hydra shall be used for loading, unloading, handling & erection of equipments at site. Normal Hydra shall not be used at site. In case of site related issues where crane or New Gen Hydra cannot be used due to site constraint or other reasons, the Normal Hydra can be used only post receipt of permission from TPCODL E-I-C.
15. Sign writing of equipments / poles where erection of such equipments is also in bidder scope shall be in bidder scope. No additional price shall be given to BA.
16. Providing Infrastructure and Supporting to Jointer for making the joints in HT/LT in O/H Line and underground line shall be in bidder Scope. This item shall not be paid additional.
17. Watch & Ward, de-watering (normal) shall be in bidder scope.
18. Wherever TPCODL specifications are not available relevant IS/IEC to be followed. All Drawings mentioned in the Tender Specification and other required for the completeness of the tender shall be submitted. Drawing submission process shall not be deemed complete if all the requirements are not complied during the submission of the same.
19. The successful bidder has to follow the Contract safety management (CSM) as per GCC. The penalty will be imposing to bidder for any safety violence as per CSM matrix.
20. The scope of supply items- includes design, Engineering, Manufacturing; testing, loading, unloading, transportation to site storage, preservation, insurance, along with supply of all accessories, tools, spares, O&M catalogs for successful ITC is in the scope of Bidder.
21. All required and applicable type tests has to be performed by supplier
22. All Bidders are requested to see the detail scope of work in long text of tender BOQ and also visit the site as per details mentioned in above schedule.



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

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

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**ANNEXURE IX**  
**SAFETY POLICY AND SAFETY TERMS AND CONDITIONS**

**Definitions**

**Order Manager:** Order Manager is the TPCODL representative, who has the ownership of the given job under the signed contract.

**Service Provider/Contractor/Vendor:** An individual or an organization that provides services to TPCODL under a signed contract.

**Site Safety Management Plan:** It is the safety plan agreed between Contractor / Service provider and TPCODL. It will contain the entire job specific safety requirement and will be signed by the service provider.

**High Risk Job:** Any job which has significant health and safety risk associated to it. The list of high risk jobs has been identified at TPCODL level.

**Emergency:** A serious, unexpected, business discontinuity and often dangerous situation resulting into loss of revenue / property and requiring immediate action.

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## 1. Safety Policy



### HEALTH AND SAFETY POLICY

Tata Power is committed to provide safe and healthy working environment for the prevention of work related injuries and ill-health. Safety is one of our core values. We strive to be a leader in safety excellence in the global power and energy business. In pursuit of this, we are committed to the following:

- Maintain and continually improve our management systems to eliminate hazards and reduce health & safety risks to all our stakeholders.
- Incorporate appropriate health & safety criteria into business decisions for selection of plant and technology, performance appraisal of individuals and appointments in key positions.
- Comply and endeavour to exceed all applicable health & safety legal and other requirements
- Integrate health & safety procedures and best practices into every operational activity with assigned line-functional responsibilities at all levels.
- Involve our employees and business associates in maintaining a safe and healthy work environment through consultation and participation
- Inculcate safety culture by visible leadership and empowerment.
- Ensure required competency to enable our employees and business associates for working safely.
- Promptly report incidents, investigate, share crucial learnings and prevent recurrences.
- Influence our business associates in enhancing their health and safety standards and align with Tata Power's health & safety codes and practices.
- Set safety & health metrics as indicators of excellence, monitor progress and continually improve health and safety performance.

We shall ensure the availability of appropriate resources at all times to fully implement and communicate this policy to all stakeholders by suitable means and periodically review its relevance in continuously changing business environment.

(Praveer Sinha)  
CEO & Managing Director

Date: 11<sup>th</sup> March, 2019  
**TATA POWER**  
Lighting up Lives!







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## 2. Safety Organization & Responsibilities

### 2.1 Contractor Site Management and Supervision

Each Contractor will be responsible for fulfilling all statutory and safety requirements as per the laws of the land and not limited to Factory Act, Electricity Act, Electricity Rules and Regulations, Shop and Establishment Act etc.

Each Contractor shall provide at least one competent full time safety supervisor for workforce of less than 100 numbers. When workforce ranges from 100 to 1000, the contractor has to provide at least one qualified safety officer and safety supervisors (reporting to the safety officer) in the ratio 1:100. For every 1000 addition in workforce, the contractor has to add 1 safety officer. The TPCODL Project Safety Manager will review and approve the appointment of all safety supervisors. Contractor/Subcontractor safety supervisors/officers will work with Tata Power Safety Managers and align themselves with Tata Power safety requirements.

Each Contractors'/Subcontractors' Site Manager is responsible, and will be held accountable, for the safety of their sub-contractors and workforce and for ensuring that all equipment, materials, tools and procedures remain in safety compliance at job site, including:

- Holding officer/supervisors accountable for safety and actively promote safe work performance.
- Participate in and cooperate with all safety program requirements to be implemented in order to meet Tata Power safety objectives.
- Ensure timely reporting of safety incidents, near misses, unsafe acts and conditions.
- Identify the training needs of its employees and maintain all safety training documents.
- Provide safety performance report at an agreed frequency.
- Stopping of unsafe work (acts and/or conditions) immediately, until corrective action be taken.

### 2.2 Contractor Supervisors and General Staff

Contractors' site supervisors and general staff members in charge of job site functions such as field engineering, warehousing, purchasing, cost and scheduling, etc. are responsible for the safe performance of the work of those they supervise. They must set an example for their fellow employees by being familiar with applicable sections of the Site Safety program and ensuring that all site activities are performed with SAFETY as the primary objective.

Each site supervisor is responsible and will be held accountable for identifying, analyzing and eliminating or controlling all hazards through implementation of an aggressive, pro-active Health, Safety and Environmental Program from project inception through project completion. Each supervisor will proactively participate in the SHE program by observing, correcting unsafe acts, and recording these observations.

### 2.3 Contractor Workforce

Contractor workforce must make safety a part of their job by following safety rules and regulations and by using all safeguards and safety equipment. They must take an active part in the Site Safety program



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to ensure their own safety and injury-free employment as well as being alert to unsafe practices of their fellow employees.

Every member of the workforce is expected to report for work without influence of any Drug/Alcohol. All employees are expected to report any hazardous conditions practices and behaviors in their work areas and correct where ever possible. Workforce is responsible for active participation in safety and health programs, suggestion systems, trainings and in immediate reporting of all injuries, any unsafe practices, conditions or incidents to their supervisors.

#### 2.4 Vendor/Contractor

Vendors/Contractor shall at all times comply with, and ensure that their workforce comply with all site safety rules and regulations. Specifically, with applicable provisions of the Tata Power Site Safety Management Plan, and all statutory safety rules and regulations.

### 3. Site Safety Rules and Procedures

The work in the safest possible manner can only happen when it has been carefully planned and all applicable procedures are followed. The Tata Power Safety Procedures are derived from Tata Power best practices and the applicable Government acts regulations. In each case, the most stringent regulation is used.

Following is the list of Tata Power's critical Safety Rules and Procedures. Contractor shall refer to approved Rules and Procedures for detailed requirements and ensure conformance.

#### 3.1 Lock Out and Tag Out Procedure

This procedure is intended to be used for the protection of Personnel while servicing or performing maintenance on equipment / pipeline / vessel / process systems. This is a general procedure that shall be used as the minimum requirements for isolation of equipment, pipelines, machines, system from all possible sources of hazardous energy and / or material such as Steam, Hot Water, Compressed Air, any other process fluid / chemical energy/Mechanical energy or Electrical energy. For complete procedure kindly refer Procedure Document No. TPSMS/CSP/LOTO/001 REV 01 available on official website of Tata Power ([www.tatapower.com](http://www.tatapower.com))

#### 3.2 Excavation Safety (Shoring and Sloping) Procedure

This procedure is developed to cover the safe practices required for shoring and sloping in excavation and trenching jobs. This procedure is developed to establish mandatory requirements for practices to protect personnel, property and equipment from hazards associated with above activities. For complete procedure kindly refer Procedure Document No TPSMS/CSP/EXS/002 REV 01 available on official website of Tata Power ([www.tatapower.com](http://www.tatapower.com))

#### 3.3 Confined Space Entry Procedure

This procedure outlines the steps required to perform the confined space entry and to protect personnel from the hazards of entering and conducting operations in confined spaces. For complete procedure





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kindly refer Procedure Document No –TPSMS/CSP/CSE/003 REV 01 available on official website of Tata Power ([www.tatapower.com](http://www.tatapower.com))

#### 3.4 Working at Height Procedure

This procedure describes the rules and procedures to protect employees from the hazards of working at heights.

This procedure is developed to cover the safe practices required for Working at Heights. This procedure is developed to establish mandatory requirements for practices to protect personnel from hazards associated in this area. For complete procedure kindly refer Procedure Document No –TPSMS/CSP/WAH/004 REV 01 available on official website of Tata Power ([www.tatapower.com](http://www.tatapower.com))

#### 3.5 Heavy Equipment Movement Safety Procedure

Heavy equipment lifting and movement is an activity involving loading, unloading, storage and movement from one place to another including lifting and erection or repairing of equipment with cranes or hoists. Material, machinery and equipment handling operations are being carried out by large capacity cranes and hoists, which make the job safer and faster. This procedure addresses the hazards and precautions associated with such equipment and their use. For complete procedure kindly refer Procedure Document No –TPSMS/CSP/HEMS/005 REV 01 available on official website of Tata Power ([www.tatapower.com](http://www.tatapower.com))

#### 3.6 Mobile Crane Safety Procedure

Mobile cranes are responsible for many incidents, injuries. Falling loads from mobile cranes pose a severe hazard to operators and nearby workers and property. Many types of cranes, hoists, and rigging devices are used for lifting and moving materials. To maintain safe, appropriate standards has to be adhered to and only qualified and licensed individuals shall operate these devices. For complete procedure kindly refer Procedure Document No –TPSMS/CSP/MCS/006 REV 01.

#### 3.7 Scaffold Safety Procedure

This procedure is developed to provide information on the safe erection, use, dismantling and maintenance of access scaffolding in the workplace. It is developed to establish mandatory requirements for practices to protect personnel from hazards associated with erection, use and dismantling of scaffolds. For complete procedure kindly refer Procedure Document No –TPSMS/CSP/SCAF/007 REV 01 available on official website of Tata Power ([www.tatapower.com](http://www.tatapower.com))

#### 3.8 Electrical Safety Procedure

The objective of these standards is to specify minimum mandatory requirements and advisory guidance for identifying and controlling hazards to ensure 'Zero Harm' with regard to operation maintenance and testing of electrical equipment. For complete procedure kindly refer Procedure Document No-TPSMS/CSP/ELEC/010 REV 01 available on official website of Tata Power ([www.tatapower.com](http://www.tatapower.com))

#### 3.9 Job Safety Analysis (JSA) Procedure



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This objective of this procedure is to have a task based risk assessment process in place that identifies, evaluates and controls the risks associated with work activities, and as a result, prevents those involved in the task or those potentially affected by the task, from being harmed. For complete procedure kindly refer Procedure Document No- TPSMS/CSP/JSA/009 REV 01 available on official website of Tata Power ([www.tatapower.com](http://www.tatapower.com))

### 3.10 Fire Safety Management Procedure

Objective of This standard is to specify the minimum mandatory requirements and advisory guidelines to ensure prevention of fire related incidents and managing / controlling their impacts if they do occur. For complete procedure kindly refer Procedure Document No- TPSMS/CSP/FSM/011 REV 01

### 3.11 Permit To Work Procedure

Given the inherent hazards of the power generation and distribution industry, a significant number of TATA POWER operations and installations are critical. Work Permit (WP) System is an essential element in controlling the workplace risks in an effective manner. For complete procedure kindly refer Procedure Document No –TPSMS/CSP/PTW/008 REV 01 available on official website of Tata Power ([www.tatapower.com](http://www.tatapower.com))

### 3.12 Lift (Elevator) Safety Procedure

To provide safe operating procedure for taking control of lift car before entering and existing the pit of OTIS make elevators. For complete procedure kindly refer Procedure Document No – TPSMS/GSP/LIFT/001 REV 01 available on official website of Tata Power ([www.tatapower.com](http://www.tatapower.com))

### 3.13 Working on conveyor belt Procedure

This procedure is developed to cover the safe practices required for Working on live equipment and to protect personnel from hazards associated with it. For complete procedure kindly refer Procedure Document No – TPSMS/GSP/CONV/002 REV 01 available on official website of Tata Power ([www.tatapower.com](http://www.tatapower.com))

### 3.14 Handling Hazardous Materials Procedure

This Procedure is developed to provide procedure for recycling and / or safe disposal of used / waste batteries in compliance with all legislation. For complete procedure kindly refer Procedure Document No-TPSMS/GSP/HAZM/003 REV 01 available on official website of Tata Power ([www.tatapower.com](http://www.tatapower.com))

### 3.15 Material Handling and Storage Procedure

The purpose of this document is to provide procedures to assist the safe handling of materials (manual handling and mechanical handling). For complete procedure kindly refer Procedure Document No – TPSMS/GSP/MATL/004 REV 01 available on official website of Tata Power ([www.tatapower.com](http://www.tatapower.com))

### 3.16 Contractor Safety Management Procedure



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The purpose of this document is to engage with contractors in a way to create safe work environment for everyone working for Tata Power. For complete procedure kindly refer Procedure Document No – TPSMS/GSP/CSM/015 REV 01 available on official website of Tata Power ([www.tatapower.com](http://www.tatapower.com))

The above procedures will be updated periodically and the updated version of the procedures as well as any additional critical procedure will be available on official website of Tata Power ([www.tatapower.com](http://www.tatapower.com)) for your reference.

#### **4. Training and Capability Building**

Safety Training and capability building of workforce is a major component of safety management program. All training required must be provided and documented as specified by Tata Power and Indian Regulations. Tata Power Safety Manager will audit contractors training and related documentation to assure its adequacy.

##### **4.1 Tata Power Site Safety Orientation**

All Tata Power contractor and subcontractor workforce is required to attend Tata Power Site Safety Orientation Training to receive a Safety Training Card, which is required to obtain a Gate Pass to the site, prior to entry.

This Safety Orientation Course will be for duration of minimum half day. The information provided during the orientation will include, but is not limited to following:

- Job rules, personal safety and conduct
- Hazards reporting
- Reporting of injuries
- Emergency procedures
- Safety Activities and Program including disciplinary measure and incentives.
- Critical safety procedure relevant to the job

##### **4.2 Capability Building**

Appropriate training such as L1, L2 & L3 is given to ensure that a jobholder, either supervisor or worker, is competent to do his/her job safely. The skill training is provided through TPSDI and other agencies authorized by Tata Power on the list of 15 procedures mentioned under safety procedure.

Contractor shall ensure that concerned workmen are provided with adequate training before he/she is allowed to execute the work.

An evaluation test will be conducted after the completion of the training. Those workmen employee who meet the minimum required competency will be provided with Gold Card which is valid for 3 years, post which the workmen has to reappear for the assessment. If the workman is not able to qualify the assessment, he/she will be given 3 additional attempts to clear in 3 month timeframe failing which he/she will not be allowed to work on high risk jobs.

## 5. Pre-Employment and Periodic Medical check up

Contractor shall arrange to conduct a pre-employment and periodic medical check-up for its entire workforce by Tata Power medical officer or Tata Power authorized medical officer. The contractor shall be able to produce the certificate prior to the employment. The contractor shall also organize to conduct periodical medical checkup (six monthly) for the following category of employees:

- Drivers (Check for Vision & Hearing)
- Equipment Operators (Check for Vision & Hearing)
- Workforce working at Height (Check for Vision, Hearing, Vertigo & Height Phobia)
- Workforce Handling the hazardous substances (Coal, ash and chemicals)
- Workforce in high decibel area (> 90 Decibel, Check for Hearing)
- Workforce, working in specific areas requiring specific medical attention should conduct the medical test as laid down in the respective Site Safety Management Plan.

## 6. Safety Performance Evaluation and Penalties

A certain percentage of the bill value will be retained against every running bill as safety performance retention. The amount will be released with the last invoice based on "Safety Performance score" attached in CSM-F-3 of CSM procedure. The amount is based on following table

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

- Safety performance Score will be monitored by the Order Manager every month.
- For the contract value of more than Rs 1 Cr or contract duration more than 12 months, the retention amount shall be released half yearly based on safety performance. For all remaining contracts, the retention amount will be released with the final bill.
- In case of job stoppage due to safety violations/ unsafe observations at the site, no time extension shall be given to the contractor, if such delays are attributable to contractor.
- In case of fatality, limb loss or loss of property, vendor has to pay for liability, legal, statutory and additional mutually agreed settlement charges imposed by the appointed committee. This charge is over and above the retention amount.
- The committee will finalize an amount between 5 -50 lakhs based on factors such as advise by statutory authorities, contract value and impact of accident etc.
- Safety performance bonus 1% (limiting to 50 lakhs) of the invoice value will be considered at the end of the job if the contractual safety performance score is 100%.

- During the progress of the work, concerned Supervisor/Engineer will visit and inspect the work site regularly and evaluate the safety performance of the contractor based on matrix attached herewith.
- Order Manager, divisional chief and SBU head have the authority to terminate the contract in case of three consecutive serious violations.

**7. Safety Performance Evaluation - CSM-F-3**

S. No.	Lead Indicators	Unit Of measurement	Target	Weightage
1	% of Employee certified in TPCODL/Authorized agency	%	50	10
2	CFSA score (Annexure 6.1)	Average Severity of Violations	1.49	20
3	Monthly inspection completed for Critical Equipments, lifting Tools & Tackles and hand tools used at site	%	80	5
4	Condition of tools, tackles and equipments	%	100	15
<b>Lag Indicators</b>				
1	Number of Fatalities	No.	0	30
2	Number of Lost work day case (LWDC)	No.	0	10
3	Man-days Lost	No.	0	10

In addition to above evaluation criteria, for specific violations penalty shall be imposed on the contractors under following circumstances:



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



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Sr No	Description of violation	Severity	Penalty /
35.	Undercut / cave-in found on sides of excavated pits	4	2000/-
36.	Grinding wheel/ Coupling/ Piling winch/other rotating parts without guard	4	2000/-
37.	The HMTV/Mobile Crane operator does not having a valid HMTV driving license.	4	2000/-
38.	The loading area is not leveled properly.	4	2000/-
39.	Ladder not anchored at top	4	2000/-
40.	Opening found in working platform of scaffolding/floor	4	2000/-
41.	Inadequate illumination at the working area.	4	2000/-
42.	Loose material lying on Gantry ,platform	4	2000/-
43.	Cleaning body with Compressed Air.	3	500/-
44.	Gas Cylinders using without cap.	3	500/-
45.	Gas Cylinders stored without securing	3	500/-
46.	Bringing inside any other chemicals, apart from approved by Safety dept.	3	500/-
47.	Using drum for sitting or accessing height.	3	500/-
48.	Misusing emergency facilities like fire hydrant line/ hose box/ spray system/ eye wash etc.	3	500/-
49.	No provision of Safety net where falling materials or tools may occurs	3	500/-
50.	Taking electrical supply from non designated outlet (other than socket).	3	500/-
51.	Restricted gangways due to unwanted materials.	3	500/-
52.	Not reporting incident.	3	500/-
53.	Entering into restricted area like switch yard/ hazardous storage etc.	3	500/-
54.	Work without supervision	3	500/-
55.	Parking of vehicle without applying wheel choke at right front-front and left rear-rear wheels other than passengers cars.	3	500/-
56.	Vehicle without helper or co-driver.	3	500/-
57.	Not wearing florescent safety jacket at site.	3	500/-
58.	People travelling in load body of vehicle.	3	500/-
59.	Parking of vehicles at non designated area.	3	500/-
60.	Shifting heavy materials without guide ropes.	3	500/-
61.	Using other than 24V lamp inside the confined space/Use of other than 24V lamps.	3	500/-
62.	Angular/ starch loading/ lifting with Crane or hoist.	3	500/-
63.	By passing the limit switch/ Safety Interlock.	3	500/-
64.	Housekeeping activities on road without proper barricade.	3	500/-





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Sr No	Description of violation	Severity	Penalty /
65.	Trying to board or alit from running vehicle.	3	500/-
66.	Cylinder Valves of Gas cylinders not closed when not in use.	3	500/-
67.	Flash-back arrester not used.	3	500/-
68.	Trolley wheel found damaged.	3	500/-
69.	Guy ropes of required length on both sides of object are not used during movement with load.	3	500/-
70.	Scotch block/wedge not provide when the vehicle is parked.	3	500/-
71.	Suitable Trolley not provided to hold the cylinders.	3	500/-
72.	Locked First Aid box	3	500/-
73.	Caution boards, danger signs (luminescent /red) along with emergency contact number are not found displayed.	3	500/-
74.	Person found jumping barricading tape	3	500/-
75.	Stacking of pipes, pile casing , drums without chock blocks/wedges	3	500/-
76.	The terrain on which Heavy Equipment/Machinery moves is not reasonably hard.	3	500/-
77.	Without Safety Helmet at working sites	4	250/-
78.	Without Crash Helmet (on bikes)	4	500/-
79.	Without Full body double lanyard Safety Harness (for work at height)	5	5000/-
80.	Without Hand gloves - Material Handling, Welding, Cutting,	4	100/-
81.	Without Safety goggles/ face shield - Welding/Cutting /Grinding	5	5000/-
82.	Handling Chemical without PVC Apron	5	5000/-
83.	Smoking in prohibited area (Closed Go-downs, Storage of flammable material, Storage of Gas cylinders)	5	1000/-
84.	Sleeping at Work Place	3	100/-
85.	Driving beyond speed limit	3	1000/-
86.	Seat Belt While Driving (for front seat passengers and driver)	3	500/-
87.	Driving without license	4	1000/-
88.	Heavy Commercial vehicles without reverse horn	3	500/-
89.	Non functional Head light/ tail light and side indicators	3	100/-
90.	Using Mobile Phone During Driving	5	5000/-
91.	Poor visibility of registration number/ without registration number	3	100/-
92.	Broken/ without Side view mirror	3	100/-
93.	Over speeding above specified limit	3	500/-
94.	Broken/ Without Pressure gauge on Oxygen/ LPG / Acetylene cylinder.	3	500/-





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Sr No	Description of violation	Severity	Penalty /
95.	Without Flash back arrestor on Industrial Acetylene & Oxygen cylinders.	5	5000/-
96.	Spillage of hazardous material/chemicals during transportation	4	2000/-
97.	Electrical equipment without Earthing/ ELCB/ Double Insulation Cable.	5	5000/-
98.	Lifting Tools & Tackles used without/ expired Test Certificates.	5	5000/-
99.	Housekeeping repeatedly not maintained		
100.	<ul style="list-style-type: none"><li>• First Time</li></ul>	3	Warning
101.	<ul style="list-style-type: none"><li>• Second Time</li></ul>	4	1000/-
102.	<ul style="list-style-type: none"><li>• Third Time</li></ul>	5	5000/-
103.	Serious Violation Of House Keeping (after 1 <sup>st</sup> or 2 <sup>nd</sup> warning to be decided by Project Manager depending on the severity)		Rs.10000/- and above
104.	Repeat Violation of same nature	5	5X Violation

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

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

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

The Contractor is requested to bring any concerns regarding this to the notice of our Chief Procurement & Stores e-mail ID: [pkjain@tatapower.com](mailto:pkjain@tatapower.com).

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**ANNEXURE XI**  
**ENVIRONMENT & SUSTAINABILITY POLICY**



**CORPORATE ENVIRONMENT POLICY**

**Tata Power is committed to a clean, safe and healthy environment, and we shall operate our facilities in an environmentally sensitive and responsible manner. Our commitment to environmental protection and stewardship will be achieved by:**

- Complying with the requirements and spirit of applicable environmental laws and striving to exceed required levels of compliance wherever feasible
- Ensuring that our employees are trained to acquire the necessary skills to meet environmental standards
- Conserving natural resources by improving efficiency and reducing wastage
- Making business decisions that aim towards sustainable development
- Engaging with stakeholders to create awareness on sustainability

(Praveer Sinha)  
CEO & Managing Director

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

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## **CORPORATE SUSTAINABILITY POLICY**

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

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

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

(Praveer Sinha)  
CEO & Managing Director

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

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