NIT No.: TPNODL/OT/2021-22/045 Dtd.31.07.2021

Open Tender Notification

For

Rate Contract for 11kV and 33kV Associated Works (Construction / Augmentation) in PAN TPNODL

Tender Enquiry No.: TPNODL/OT/2021-22/045 Dtd.31.07.2021

Due Date for Tender Fee: 06.08.2021 [15:00 Hrs.]

Due Date for Bid Submission: 19.08.2021 [15:00 Hrs.]

TP NORTHERN ODISHA DISTRIBUTION LIMITED
(A TATA Power and Odisha Government Joint Venture)

Contracts & Material Management Department,
Corporate Office, Januganj, Balasore-756019

NIT No.: TPNODL/OT/2021-22/045 Dtd.31.07.2021

Procedure to Participate in Tender

Tender Enquiry No- TPNODL/OT/2021-22/045 Dtd.31.07.2021

Tender Enquiry No.	Work Description	EMD (Rs.)	Tender Fee (Rs.)	Last Date and Time for payment of Tender Fee
TPNODL / OT / 2021-22 / 045 Dtd.31.07.2021	Rate Contract for 11kV and 33kV Associated Works (Construction / Augmentation) in PAN TPNODL	5 Lakh	5,000	19.08.2021, 15:00 Hrs

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

Procedure to Participate in Tender.

Following steps to be done before "Last date and time for Payment of Tender Fee" as mentioned above:

1. Eligible and Interested Bidders to submit duly signed and stamped letter on Bidder's letter head indicating

    a. Tender Enquiry number
    b. Name of authorized person
    c. Communication Address
    d. Contact number
    e. E-mail id
    f. Details of submission of Tender Fee
    g. GST Registration No

2. Non-Refundable Tender Fee, as indicated in table above, to be submitted in the form of Direct Deposit in the following bank account and submit the receipt along with a covering letter clearly indicating the Tender Reference/ Enquiry Number –

    Beneficiary Name – TP Northern Odisha Distribution Limited
    Bank Name – Union Bank of India
    Branch Name – Balasore Branch
    Account No – 500601010280332
    IFSC Code – UBIN0550060

    E-mail with necessary attachment to be sent to umesh.sahoo@tpnodl.com before last date and time for payment of Tender Fee.

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

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

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

Also it may be strictly noted that once date of “Last date and time for Payment of Tender Participation Fee” is lapsed no Bidder will be sent link from TPNODL E-Tender System (Ariba). Without this link vendor will not be able to participate in the tender. Any last moment request to participate in tender will not be entertained.

Any payment of Tender Fee / EMD by Bidder who have not done the prerequisite will not be refunded.

Also all future corrigendum to the said tender will be informed on Tender section on website https://www.tpnodl.com

CONTENTS OF THE ENQUIRY

1.0 Event Information

1.1 Scope of work

Open Tenders are invited in e-tender bidding process from interested bidders for entering into a Rate Contract valid for a period of Two Years as defined below:

S. No.	Description	EMD Amount (Rs.)	Tender Fee (Rs.)
1	Rate Contract for 11kV and 33kV Associated Works (Construction / Augmentation) in PAN TPNODL	5,00,000/-	5,000

1.2 Availability of Tender Documents

Please refer “Procedure to participate in the e-tender”.

1.3 Calendar of Events

(a)	Last Date of receipt of Tender Fee	06.08.2021 ; 15:00 Hrs
(c)	Last Date of receipt of pre-bid queries, if any	09.08.2021 up to 15:00 Hrs
(b)	Date & Time of Pre-Bid Meeting (If any)	11.08.2021 at 15:00 Hrs
(d)	Last Date of Posting Consolidated replies to all the pre-bid queries as received	13.08.2021 up to 18:00 Hrs
(e)	Last date and time of receipt of Bids	19.08.2021 up to 15:00 Hrs
(f)	Date & Time of opening technical bids & EMD	19.08.2021 up to 15:30 Hrs
(g)	Date & Time of opening of Price of qualified bids	Will be notified to the successful bidders through our website / e-mail.

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 TPNODL, the last date of submission of bids and date of opening of bids will be the following working day at appointed times.

Pre bid meeting shall be scheduled at TPNODL Corporate Office or Online. Same shall be communicated to the interested bidders post receipt of their Tender Fee.

1.4 Mandatory documents required along with the Bid

1.4.1 EMD of requisite value and validity
1.4.2 Tender Fee in case the tender is downloaded from website
1.4.3 Requisite Documents for compliance to Qualification Criteria mentioned in Clause 1.7.
1.4.4 Drawing, Type Test details along with a sample of each item as specified at Annexure I (as applicable)
1.4.5 Duly signed and stamped ‘Schedule of Deviations’ as per Annexure III on bidder’s letter head.
1.4.6 Duly signed and stamped ‘Schedule of Commercial Specifications’ as per Annexure IV on bidder’s letter head.
1.4.7 Proper authorization letter / Power of Attorney to sign the tender on the behalf of bidder.

1.4.8 Copy of PAN, GST, PF, ESI Registration and valid Labour License (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: -

1.6.1 EMD of requisite value and validity
1.6.2 Tender fee of requisite value
1.6.3 Price Bid as per the Price Schedule mentioned in Annexure-I
1.6.4 Necessary documents against compliance to Qualification Requirements mentioned at Clause 1.7 of this Tender Document.
1.6.5 Filled in Schedule of Deviations as per Annexure III
1.6.6 Filled in Schedule of Commercial Specifications as per Annexure IV
1.6.7 Receipt of Bid within the due date and time

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

1.7 Qualification Criteria

1.7.1 The prospective Bidder(s) should be a registered Sole Proprietor Firm / Partnership Firm / Company, possessing valid HT Electrical License. In case bidder does not have Electrical Contractor License, he can submit the undertaking and shall provide the valid HT license before the award of contract issued from the ELBO (Electrical License Board of Odisha), Government of Odisha.

The Bidder should possess the followings:

Valid EPF Registration Certificate.

Valid ESI Registration Certificate.

Valid Labour License.

In case of non-availability of the above certificates with the bidder at the time of bid submission, bidder may submit the above within 20 days from the award of contract. Bidder is required to submit an undertaking with the bid document with respect to submission of these certificates within 20 days of award of Contract.

The Bidder should also possess valid:

Valid GST Registration

Certificate. Valid PAN No.

1.7.2 The Average Annual Turnover of the prospective bidder(s) during FY 17-18, FY 18-19 and FY19-20 should be equal to or more than Rs. 1 Crores.

Copy of audited P&L Account to be submitted in this regard.

1.7.3 The bidder must have executed similar jobs for maintenance / commissioning of 11 kV or 33kV network in any Utility / Companies for a total value of Rs. 2 cr. or one single order of Rs. 1 Cr. or two orders of Rs. 50 lacs each or three orders of Rs 30 lac each during last 5 financial years.

1.7.4 Bidder should have Performance Certificates issued from one reputed Power Distribution Utility / Companies of India.

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

1.7.5 Bidder should not be blacklisted by any Govt. Organization / Utility. Bidder to give the self-certification for it.

Note:- The indenting bidder(s) shall furnish the documentary evidence pertaining to the above qualifying criteria or else their bid shall be rejected outright without any further correspondence.

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, TPNODL 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 BAs Confidentiality

All information contained in this tender is confidential and shall not be disclosed, published or advertised in any manner without written authorization from TPNODL. This includes all bidding information submitted to TPNODL. All tender documents remain the property of TPNODL and all BAs are required to return these documents to TPNODL upon request. BAs 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 from safety criteria as submitted from safety document. (as per Annexure-AA).
- 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-VIII. 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, TPNODL may reject the bids.
- Bidder shall mandatorily submit their capability to handle maximum quantum of Work during the contract tenure period.
- **NOTE:** In case of a new bidder not registered, existing sites shall be visited by TPNODL officials for confirming overall performance of the BA. However, TPNODL reserves the right to carry out sites inspection and evaluation for any bidder prior to technical qualification. In case a bidder is found as Disqualified in the sites visit evaluation, their bid shall not be evaluated any further and shall be summarily rejected. The decision of TPNODL 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

3.1Bid Submission

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

Bids shall be submitted in 3 (Three) parts:

FIRST PART: "EMD" of Rs. 5,00,000/- (Rupees Five Lacs only) shall be submitted. The EMD shall be valid for 210 days from the due date of bid submission in the form of BG/ Bankers Pay Order favoring 'TP NORTHERN ODISHA DISTRIBUTION LIMITED", payable at Balasore only. The EMD has to be strictly in the format as mentioned in General Condition of Contract, failing which it shall not be accepted and the bid as submitted shall be liable for rejection. EMD in the form of BG/ Bankers Pay Order shall be required to be submitted only at the Office of HOD – Contracts as addressed hereunder-

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

EMD May also be submitted through NEFT / RTGS as per Bank details provided below with proper furnishing of submission details

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.

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

Beneficiary Name – TP Northern Odisha Distribution Limited
Bank Name – Union Bank of India
Branch Name – Balasore Branch
Account No – 500601010280332
IFSC Code – UBIN0550060

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

a) Documentary evidence in support of qualifying criteria
b) Technical literature/GTP/Type test report etc. *(if applicable)*
c) Qualified manpower available d) Testing facilities *(if applicable)*
e) No Deviation Certificate as per the Annexure III – Schedule of Deviations
f) Acceptance to Commercial Terms and Conditions viz Delivery schedule/period, payment terms etc. as per the Annexure IV – Schedule of Commercial Specifications.
g) Quality Assurance Plan/Inspection Test Plan for supply items *(if applicable)*
h) Acceptance of Annexure for Scope of work and Service level agreement.
i) Safety documents as per attached format. (as per Annexure-AA).

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

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

SIGNING OF BID DOCUMENTS:

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

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

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

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

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

3.2 Contact Information

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 TPNODL website by the stipulated timelines as detailed in calendar of events.

Communication Details:

Package Owner - Contracts

Name: Mr. Umesh Prasad Sahoo

Contact No.: 9438906445

E-Mail ID: umesh.sahoo@tpnodl.com

HOD- Contracts

Name: Mr. Vipin Chauhan

Contact No: 9717393121

E-Mail ID: Vipin.Chauhan@tpnodl.com

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

3.3 Bid Prices

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

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.

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.

Not withstanding clause above, the TPNODL may solicit the Bidder's consent to an extension of the Period of Bid Validity. The request and responses thereto shall be made in writing.

3.6 Alternative Bids

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

3.7 Modifications and Withdrawal of Bids

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

3.8 Earnest Money Deposit (EMD)

The bidder shall furnish, as part of its bid, an EMD amounting as specified in the tender. The EMD is required to protect the TPNODL against the risk of bidder's conduct which would warrant forfeiture.
The EMD shall be denominate in any of the following form:

- Banker's Cheque/ Demand Draft/ Pay order drawn in favor of "TP Northern Odisha Distribution Limited", payable at Balasore only
- 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 of:

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

Or

b) The case of a successful bidder, if the Bidder does not
i) accept the purchase order, or
ii) furnish the required performance security BG

3.9 Type Tests (if applicable)

The type tests specified in TPNODL 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 TPNODL.

4.0 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 TPNODL's processing of Bids or award decisions may result in the rejection of the Bidder's Bid.

4.2 Technical Bid Opening

Bids shall be opened as per the schedule mentioned in Calendar of Events. In case of limited tenders, the bids shall be opened internally by TPNODL. Owing to COVID Scenario, in case of Open Tenders also, the bids shall be opened internally by TPNODL. Technical bid must not contain any cost information whatsoever.

First the “EMD” will be checked. Bids without EMD/ cost of tender (if applicable) of required amount/ validity in prescribed format, shall be rejected.

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

4.3 Preliminary Examination of Bids/ Responsiveness

TPNODL 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. TPNODL 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, TPNODL 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 TPNODL and/or the TPNODL 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, TPNODL may, at its discretion, ask the Bidder for a clarification on its Bid for any deviations with respect to the TPNODL 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 TPNODL. After all techno commercial issues are clarified, the date of price bid opening will be intimated to the technically accepted bidders and same shall also be notified at TPNODL website.

4.5 Price Bid Opening

Price bids will be opened at the stipulated date and time. 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 TPNODL without any further correspondence in this regard.

4.6 Reverse Auctions

TPNODL 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 and reserves the rights to conduct the manual negotiation with the BA who is declared L1 after Reverse Auction. 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.

5.0 Award Decision

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

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

In case any BAs is found unsatisfactory during the Contract period, the award will be cancelled and TPNODL reserves the right to award other BAs who are found fit.

6.0 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. Inspection Test Plan (Annexure VIII)
7. Acceptance Form for Participation in Reverse Auction (Annexure VI)
8. General Conditions of Contract (Annexure IX)

7.0 Post Award Contract Administration

7.1 Special Conditions of Contract

- The contract shall however initially be placed for a period of one year only. TPNODL reserves the right to extend the contract value on a year to year basis for a period of further 1 year subjected to satisfactory techno commercial performance of bidder. Release Order (RO) shall be placed as per the requirement of TPNODL. Rate shall remain FIRM till the validity of Rate Contract.

- Business Associate (BA) shall submit applicable Performance Bank Guarantee -5% of Contract value as per GCC within 15 days of issuance of order. PBG submitted, shall be released after completion of applicable guarantee period plus one month.

- Any change in statutory taxes, duties and levies during the contract period shall be borne by TPNODL. However, in case of delay in work execution owing to reasons not attributable to TPNODL, 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 TPNODL.

- 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.

- The Bidder should have own Safety equipment like Neon Tester, Portable Earth, Earthing discharge rod etc along with Calibration certificates of all equipment's.

- Successful Bidder has to depute the safety officer and Quality officer separately at site for whole duration and they have to submit the safety report and quality report to TPNODL E-I-C if required.

- 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 TPNODL. In case taking over by TPNODL is delayed because of reasons not attributable to BA, taking over certificate will be issued by TPNODL & Retention money will be released. It would be considered to be deemed taking over by TPNODL after fully compliance by bidder to all applicable successful testing & compliance to Inspections carried out to the satisfaction of TPNODL Projects & further taking over is pending due to

reasons attributable to TPNODL 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.

- TPNODL appreciates and welcomes the engagement/employment of persons from SC/ST community or any other deprived section of society by their BAs.
- Any change in statutory taxes, duties and levies during the contract period shall be borne by TPNODL. However in case of delay in work execution owing to reasons not attributable to TPNODL, 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 TPNODL.
- Permissions from road owning agencies & statuary clearances shall be taken by TPNODL, However full support shall be provided by bidder to achieve it.
- 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 BOM items is mandatory, and bid shall be rejected if any line of found blank in un price bid.
- Warranty period: 12 month from Handing over.
- 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 TPNODL and Successful Bidder.
- Proving the steel barricading/ any other (as per site requirement) as per TPNODL specification will be in Bidder scope, TPNODL 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.
- Normal De-watering will be in bidder scope, TPNODL 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.
- 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 TPNODL site/Store as per direction of Engg In-Charge will be in bidder scope.
- Crane/ New Generation Hydra shall be used for loading, unloading, handling & erection of equipment's 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 TPNODL.

- Sign writing of equipment/ poles where ETC of such equipment's is also in bidder scope shall be in bidder scope. No additional price shall be given to BA.
- 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.
- Watch & Ward, de-watering (normal) shall be in bidder scope.
- Wherever TPNODL specifications are not available relevant IS/IEC to be followed. All Drawings mentioned in the Tender Specification and other required for the completeness of the tender shall be submitted. Drawing submission process shall not be deemed complete of all the requirements are not complied during the submission of the same.
- The successful bidder has to follow the Contract safety management (CSM) as per GCC. The penalty will be impose to bidder for any safety violence as per CSM matrix.
- All other terms and conditions of TPNODL General Conditions of Contract shall be applicable.

7.2 Payment Terms

80% on account payment against the actual executed value certified by EIC of TPNODL 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 20 % payment of the actual executed order value shall be paid after handing over of the complete system, including clearance of EIC, compliances of final punch point and after reconciliation of material & adjustment of payments, based on the service entry sheet approved by EIC.

Return of dismantled materials and unused TPNODL supply materials, if any, duly certified by the concerned Engineer-in-charge and acknowledged by concerned store division.

The Contractor has to return the dismantled materials as per JMC to TPNODL's designated store with proper devaluation. The devaluation copy to be attached with invoice.

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

7.3 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 TPNODL for approval. In case, re-submission of drawings is required on request of TPNODL, same needs to be submitted back to TPNODL within 5 days of such request.

7.4 Delivery Timelines

1. Release Orders shall be placed against the awarded Rate Contract by TPNODL 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/Refurbishment of complete PMSS/Plinth Mounted SS with any rating of transformer/augmentation of DT, including HT/LT line extension up to five pole: 2 nos. outages and 7 days.

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. Laying of HT/LT U/G cable in trench/ Trenchless duct including making of trench/trenchless duct:
Up to 500 circuit meters - 45 days. For every 500 circuit meters thereafter - 15 additional days.

c. 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.

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.

d. Installation of the 3 /4 RMU Indoor/ outdoor including cable connection - Indoor type RMU - 10 days. Outdoor type RMU - 21 days.

e. Installation, testing and commissioning of 1no of Auto-recloser and 3 nos of Sectionalizer in one line (including all activities): 5 days with 2 nos of Outages per Line

f. Installation, testing and commissioning of 5 nos. of 11KV / 33KV AB Switch in one line: 15days

g. ITC of MCCB box in complete: 3 months for 200 Units subjected to availability of Outage

h. 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.

i. It is however to be noted that in case of any urgency, TPNODL reserves the right to reduce the above mentioned timelines further as per the requirement. The decision of TPNODL in this regard shall be final and binding on the bidder.

For 33KV Lines:

For each issued RO the following will be the guidelines of completion period: -

a. Installation of new 33 KV overhead line with bare conductor /Insulated Conductor: Up to 500 circuit meters - 30 days. For every 500 circuit meters thereafter - 15 additional days.

b. Refurbishment/Re-string of Conductor of old 33KV overhead line with bare conductor /Insulated Conductor: Up to 1000 circuit meters with replacement of 5 Poles - 15 days with two outages. For every 500 circuit meters thereafter - 7 additional days.

Laying of HT U/G cable in trench/ Trenchless duct including making of trench/trenchless duct: Up to 500 circuit meters - 45 days. For every 500 circuit meters thereafter - 21 additional days.

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 TPNODL and subject to availability of Outage and ROW Permission

Note- Timeline for other work which is not included above timeline, the completion period for works shall be decided by TPNODL at the time of order issuance.

The all above timelines are subject to site clearance and outages given by TPNODL

7.5 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.

7.6 Ethics

- TPNODL is an ethical organization and as a policy TPNODL 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.
- TPNODL work practices are governed by the Tata Code of Conduct which emphasizes on the following:

- We shall select our suppliers and service providers fairly and transparently.
- We seek to work with suppliers and service providers who can demonstrate that they share similar values. We expect them to adopt ethical standards comparable to our own.
- Our suppliers and service providers shall represent our company only with duly authorized written permission from our company. They are expected to abide by the Code in their interactions with, and on behalf of us, including respecting the confidentiality of information shared with them.
- We shall ensure that any gifts or hospitality received from, or given to, our suppliers or service providers comply with our company's gifts and hospitality policy.
- We respect our obligations on the use of third party intellectual property and data.

Bidder is advised to refer GCC attached at Annexure IX for more information.

Any ethical concerns with respect to this tender can be reported to the following e-mail ID: ceooffice@tpnodl.com

8.0 Specification and standards

NA

9.0 General Condition of Contract

Any condition not mentioned above shall be applicable as per GCC for Service attached along with this tender at Annexure IX.

10.0 Safety

Safety related requirements as mentioned in our safety Manual put in the Company's website which can be accessed by:

http:// www.tpnodl.com

All Associates shall strictly abide by the guidelines provided in the safety manual at all relevant stages during the contract period.

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

Annexure- AA

(To be submitted by Associates)

Criteria for Separate Safety Bid

Separate Safety bid is applicable for contract value >= 1Cr for a duration more than 6 months having major services jobs where high risk critical activities like working at height (more than 1.8 meter from ground), working on our networks under live or dead conditions, laying of new networks and working through heavy equipments like Crane etc.

The main jobs under above categories are as follows:

1. Zonal AMC Contract
2. Distribution Project Contract
3. EHV Project Contracts
4. STS Line/Grids AMC Contracts
5. Meter Installation contract
6. Civil Works
7. Street Lighting works/AMC Contracts
8. Any other contract deemed fit under above cited conditions

Safety Competency Form

Bidder Name :-

Tender Description :-

Tender No. :-

Rfx No. :-

Bidder to mandatorily provide the below safety competency related information.

1. **Proposed Manpower Deployment Schedule** :-

Category of manpower deployed	Min. Qualification	Experience (Years)	Proposed Number at each locations					
			Dist 1	Dist 2	Dist 3	Dist 4	Dist 5	-- --
Project Manager								
Site In Charge								
Safety Engineer								
Supervisors								
Lineman								
Helpers								
Drivers								

Bidders to provide the overall site manpower deployment as above. Separate Sheet can be attached for providing complete details

2. **List of Tools ,Tackles & Equipments** :-
   Bidder/Vendor to provide the list of tools, tackles, equipments to be used during the job/ project execution. Bidder/Vendor to ensure that all the lifting tools and tackles, power tools like welding set, gas cutter etc. duly verified by EIC.

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

Bidders to ensure that all tools and tackles are provided as per specifications and requirement of TPNODL. Bidders to change the tools, tackles and equipments if there is any change in specifications after award of contract. Separate List can be attached as per above format.

3. **Safety Records:**

Bidder to provide the details of fatalities and lost work day cases (LWDC) which may happened during the last three years (data to be provided for the last completed year and preceding 2 years) in TPNODL and other than TPNODL as per below format.

Description	Safety Data for Last 3 Years (TPNODL)		
	Year 1	Year 2	Year 3
	2015	2016	2017
Fatalities (Nos.)			
Lost Work Day Cases (Non Fatal Nos.)			

Description	Safety Data for Last 3 Years (Other than TPNODL)		
	Year 1	Year 2	Year 3
	2015	2016	2017
Fatalities (Nos.)			
Lost Work Day Cases (Non fatal Nos.)			

In case of no fatalities, LWDC during any year, the form may be filled stating NIL against the respective year. Bidders are encouraged to provide the learning's implemented out of the above reported incident.

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

Bidder to provide / enclose a detailed Site/Job Safety Plan along with a Method statement detailing the execution philosophy (how the bidder intends to execute the Job/Project),

identifying all key activities which are required to be performed by the contractor at Site. Bidder to also list down all high risk activities and provide the Hazard Identification and Risk Assessment (HIRA) for all such high risk activities involved in the site work.

5. PPE Requirements:

TPNODL Requirement	Bidders Response
The Bidder/Vendor shall ensure that all PPE of Approved standards as per Annexure No. 7 of CSM (GCC), shall be available at all time and shall be used by his employees with no exception whatsoever. Bidders to also ensure TPNODL Standard PPE matrix to be followed for all activities.	
10% Buffer stock of PPEs to be provided by bidders at each locations to meet any contingency	
Bidder will ensure that sample PPEs to be submitted/approved by Safety Department along with EIC at the time of submission of Safety bids for evaluation In case bidder manpower found using substandard or any PPEs which are not approved from TPNODL, then TPNODL will provide the same to manpower deployed at the cost of bidders.	

6. Vehicle Deployment: Bidders to provide details of all vehicles deployed during execution of work

S. No.	Vehicle No.	Vehicle Type	Location	CNG/Diesel/Petrol	Year	Whether CNG endorsed on RC

7. **Crane Deployment:** Bidders to provide details of crane to be deployed during the execution of work as and when required. Bidders to provide the TPNODL Approved new gen hydra crane ACE Model SX150, ACE FX150 and Escorts Model TRX 1550.

S. No.	Crane No.	Location	Year

8. **Training Records:** Bidders to provide training records of employees deployed for the execution of work during last one year. These training includes OHS (Occupational Health and Safety) Training, Training on SOP/Work Procedures and Medical Emergency trainings imparted at their own facility, cost and expenses. Bidders to provide the following details:

TPNODL Requirement	Bidders Response
Training records of employees at their own facility, cost and expenses for last one year	
Training facility available with Bidders	
Future road map for enhancing the competency of workforce	

9. **Rewards and Recognition:** Bidders to provide the details of process deployed in their organization for sharing and resolution of safety concerns raised by their employees. Also bidders to provide the details of Rewards and Recognition process in their organization for safety to encourage the morale of their workforce.

10. **Accreditations:**

S. No.	Certification	Yes / No	If Yes, Year of Certification	If No, Planned date for Certification
1.	ISO 9001			
2.	OSHAS 18001/ISO 450001			
3.	SA8000			
Note: Please attach certificates to support above. In case not accredited for above but applied for, application letters may be attached.				

Evaluation Criteria

S. No.	Description	Max Marks	Criteria for evaluation
1.	Qualification and Experience of manpower	15	As per Clause No. 5
2.	Tools and Tackles to be provided by bidder	20	To be evaluated as per approved tool list of concerned department
3.	Job Safety Plan/ Method	15	To be evaluated as per as per SOP/WI/HIRA adequacy of TPNODL
4	PPE Requirements	20	To be evaluated as per approved TPNODL PPEs standard and PPE Matrix specified in CSM
5	Vehicle Deployment	10	Weightage will be given for CNG Vehicles with endorsement of CNG kit on RC
6	Crane Deployment	10	Weightage will be given for CNG Vehicles with endorsement of CNG kit on RC
7	Training Records	10	Training records to be evaluated with evidences and scoring to be done as per availability of records
Total		**100**	
Safety Records (Lag Parameter)			
1.	Fatal Accident	(-) 20 Marks	For any fatality in TPNODL /Other company in last three years, 20 marks will be deducted. For new entrant BA, these marks will be deducted for safety records other than TPNODL works. If and BA found hiding such facts, then contract will be terminated immediately during the execution stage.
2	LWDC (Non-fatal)	(-) 10 Marks for each case with max of 20 marks	For each LWDC (Non-Fatal) case 10 marks will be deducted with maximum upto 20 marks. For new entrant BA, these marks will be deducted for safety records other than TPNODL works. If and BA found hiding such facts, then contract will be terminated immediately during the execution stage.

Additional Bonus Points			
1	Certificate Accreditation	(+) Max 10 Marks	ISO 9001- 5 Marks Bonus OSHAS 18001/ISO 450001- 5 Marks Bonus SA8000- 5 Marks Bonus
2	Safety Initiative for learnings implemented in accidents in organization and work force (Fatal / Non Fatal)	(+) Max 10 Marks	Maximum 10 marks will be awarded for visible evidence in terms of safety initiative deployed based on learning of accident in organization and workforce in case of accident
3	Rewards and Recognition Process	(+) Max 5 Marks	Maximum 5 marks will be awarded for R&R process evidence

Final Qualifying Criteria

S. No.	Description	Max Marks	Criteria for evaluation
1.	Qualified Bidders	More than 70 marks	As per Clause no.9

Annexure-I
Schedule of Items

S. No.	Type	Item Description	Unit	Total Qty	Supply				Erection			All inclusive Unit Rate	Total All inclusive Value (Rs.)
					Unit Ex-Works Price (Rs.)	Freight & Insurance Charges (Rs.)	GST (in Rs.)	Unit Supply Rate (including all) (Rs.)	Unit Erection Charges (RS.)	GST (in Rs.)	Unit Erection Charges (including all) (Rs.)		
				(A)				(B)			(C)	(D = B+C)	(A x D)
1	CT	ITC including loading, unloading & transportation of 12kV, 1-Phase, outdoor type Current Transformers along with junction box (1 no junction box for 3 no of 1-phase CTs), Jumpers, earthing, supporting structures, bi-metallic clamps, permanent maintenance platform etc as per TPNODL specification.	EA	100									
2	PT	ITC including loading , unloading & transportation of 12 KV, 1-Phase, outdoor type Potential Transformer along with junction box (1 no junction box for 3 no of 1-phase PTs), bi-metallic clamp and required accessories etc., complete as per technical specifications and scope of the works as per TPNODL specification	EA	50									
3	CT PT	Installation, Testing and Commissioning of 11kV CT PT Unit on existing structure/Pole as per TPNODL specification including installation of Pipe,jumpering/connectio,loading, unloading, shifting/transportation from site/tent. Scope of work excludes	Nos.	50									

		earthing.											
4	ISO	Installation,testing and commissioning including loading , unloading & transportation of 12 KV, 400A/200A, 25kA for 3 seconds, 3-ph double break center rotating type (DBCR), Gang Operated Isolator with Earth Switch along with Support Insulators, Operating Mechanism manually, Base Channel, down Pipe and all required accessories complete as per TPNODL specification for outgoing feeder.	Set	400									
5	ISO	Installation,testing and commissioning including loading , unloading & transportation of 12 KV, 400A/200A, 25kA for 3 seconds, 3-ph double break center rotating type (DBCR), Gang Operated Isolator along with Support Insulators, Operating Mechanism manually, Base Channel, down Pipe and all required accessories complete as per TPNODL specification for outgoing feeder.	Set	400									
6	ABS	Installation,testing and commissioning including loading, unloading & transportation of 11 kV, 400Amp 3- Phase AB/G.O Switch on existing structure including alignment etc. as per TPNODL specification.	Set	250									
7	ABS	Installation,testing and commissioning including loading,unloading & transportation of 11 kV ,200Amp 3- Phase AB/G.O Switch on existing structure including alignment	Set	500									

		etc. as per as per TPNODL specification.											
8	RSJ	ITC including loading , unloading & transportation (up to 10 Km) of 150X 150mm RS joist(MS) (13 Mtr. long)(34.6 Kg Per Mtr.)(Each 449.8Kg)) Pole [Holes Provision - In Top (2 for Top channel) At Bottom (1 for Earthing Fittings)] including of excavation, supply & fixing of base plate(300x300x12mm),Supply & fixing of stiffner-4Nos. (150x60x6mm) fixing of clamps ,iron fittings, steel fabricated work(Angle installation-Cleat for Pole Base , refilling, flooding with water, ramming/compacting of foundation as per TPNODL specifications including removal & disposal of malba as per instruction of EIC. The scope of work include providing & laying of cement concrete, and Painting of Pole (In Black & Yellow Strips/Zebra)	Nos.	1500									
9	RSJ	SITC including loading , unloading & transportation (up to 10 Km) of 150X 150mm RS joist(MS) (13 Mtr. long)(34.6 Kg Per Mtr.)(Each 449.8Kg)) Pole [Holes Provision - In Top (2 for Top channel) At Bottom (1 for Earthing Fittings)] including of excavation, supply & fixing of base plate(300x300x12mm),Supply & fixing of stiffner-4Nos. (150x60x6mm) fixing of clamps ,iron fittings, steel fabricated work(Angle	Nos.	1500									

		installation-Cleat for Pole Base , refilling, flooding with water, ramming/compacting of foundation as per TPNODL specifications including removal & disposal of malba as per instruction of EIC. The scope of work include providing & laying of cement concrete, and Painting of Pole (In Black & Yellow Strips/Zebra)											
10	RSJ	ITC including loading , unloading & transportation (up to 10 Km) of 150X 150mm RS joist(MS) (11 Mtr long) (34.6 Kg Per Mtr.) (Each 380.6Kg) Pole [Holes Provision - In Top (2 for Top channel) At Bottom (1 for Earthing Fittings)] including of excavation, supply & fixing of base plate(300x300x12mm),Supply & fixing of stiffner-4Nos. (150x60x6mm) fixing of clamps ,iron fittings, steel fabricated work(Angle installation-Cleat for Pole Base , refilling, flooding with water, ramming/compacting of foundation as per TPNODL specifications including removal & disposal of malba as per instruction of EIC. The scope of work include providing & laying of cement concrete, and Painting of Pole (In Black & Yellow Strips/Zebra)	Nos.	4500									

11	RSJ	SITC including loading , unloading & transportation (up to 10 Km) of 150X 150mm RS joist(MS) (11 Mtr long) (34.6 Kg Per Mtr.) (Each 380.6Kg) Pole [Holes Provision - In Top (2 for Top channel) At Bottom (1 for Earthing Fittings)] including of excavation, supply & fixing of base plate(300x300x12mm),Supply & fixing of stiffner-4Nos. (150x60x6mm) fixing of clamps ,iron fittings, steel fabricated work(Angle installation-Cleat for Pole Base , refilling, flooding with water, ramming/compacting of foundation as per TPNODL specifications including removal & disposal of malba as per instruction of EIC. The scope of work include providing & laying of cement concrete, and Painting of Pole (In Black & Yellow Strips/Zebra)	Nos.	4500									
12	RSJ	ITC including loading , unloading & transportation (up to 10 Km) of 116X 100mm RS joist(MS) (11 Mtr long) (23 Kg Per Mtr.) (Each 253Kg) Pole [Holes Provision - In Top (2 for Top channel) At Bottom (1 for Earthing Fittings)] including of excavation, supply & fixing of base plate(300x300x12mm),Supply & fixing of stiffner-4Nos. (150x60x6mm) fixing of clamps ,iron fittings, steel fabricated work(Angle installation-Cleat for Pole Base , refilling, flooding with water,	Nos.	500									

		ramming/compacting of foundation as per TPNODL specifications including removal & disposal of malba as per instruction of EIC. The scope of work include providing & laying of cement concrete, and Painting of Pole (In Black & Yellow Strips/Zebra)											
13	RSJ	ITC including loading , unloading & transportation (up to 10 Km) of 116X 100mm RS joist(MS) (11 Mtr long) (23 Kg Per Mtr.) (Each 253Kg) Pole [Holes Provision - In Top (2 for Top channel) At Bottom (1 for Earthing Fittings)] including of excavation, supply & fixing of base plate(300x300x12mm),Supply & fixing of stiffner-4Nos. (150x60x6mm) fixing of clamps ,iron fittings, steel fabricated work(Angle installation-Cleat for Pole Base , refilling, flooding with water, ramming/compacting of foundation as per TPNODL specifications including removal & disposal of malba as per instruction of EIC. The scope of work include providing & laying of cement concrete, and Painting of Pole (In Black & Yellow Strips/Zebra)	Nos.	500									

14	RSJ	SITC including loading , unloading & transportation (up to 10 Km) of 116X 100mm RS joist(MS) (9 Mtr long) (23 Kg Per Mtr.) (Each 203Kg) Pole [Holes Provision - In Top (2 for Top channel) At Bottom (1 for Earthing Fittings)] including of excavation, supply & fixing of base plate(300x300x12mm),Supply & fixing of stiffner-4Nos. (150x60x6mm) fixing of clamps ,iron fittings, steel fabricated work(Angle installation-Cleat for Pole Base , refilling, flooding with water, ramming/compacting of foundation as per TPNODL specifications including removal & disposal of malba as per instruction of EIC. The scope of work include providing & laying of cement concrete, and Painting of Pole (In Black & Yellow Strips/Zebra)	Nos.	500									
15	RSJ	ITC including loading , unloading & transportation (upto 10 Km) of 150X 150mm RS joist (GI) (13 Mtr long)(34.6 Kg Per Mtr.)(Each 449.8Kg) Pole [Holes Provision - In Top (2 for Top channel) At Bottom (1 for Earthing Fittings)] including of excavation, supply & fixing of base plate(300x300x12mm),supply & fixing of stiffner-4Nos. (150x60x6mm) fixing of clamps ,iron fittings, steel fabricated work(Angle installation-Cleat for Pole Base , refilling, flooding with water,	Nos.	1000									

		ramming/compacting of foundation as per TPNODL specifications including removal & disposal of malba as per instruction of EIC. The scope of work include providing & laying of cement concrete, and Painting of Pole (In Black & Yellow Strips/Zebra)											
16	RSJ	SITC including loading , unloading & transportation (upto 10 Km) of 150X 150mm RS joist (GI) (13 Mtr long)(34.6 Kg Per Mtr.)(Each 449.8Kg) Pole [Holes Provision - In Top (2 for Top channel) At Bottom (1 for Earthing Fittings)] including of excavation, supply & fixing of base plate(300x300x12mm),supply & fixing of stiffner-4Nos. (150x60x6mm) fixing of clamps ,iron fittings, steel fabricated work(Angle installation-Cleat for Pole Base , refilling, flooding with water, ramming/compacting of foundation as per TPNODL specifications including removal & disposal of malba as per instruction of EIC. The scope of work include providing & laying of cement concrete, and Painting of Pole (In Black & Yellow Strips/Zebra)	Nos.	1000									

17	RSJ	ITC including loading , unloading & transportation (upto 10 Km) of 150X 150mm GI RS joist (11 Mtr long) (34.6 Kg Per Mtr.) (Each 380.6Kg) Pole [Holes Provision - In Top (2 for Top channel) At Bottom (1 for Earthing Fittings)] including of excavation, supply & fixing of base plate(300x300x12mm),supply & fixing of stiffner-4Nos. (150x60x6mm) fixing of clamps ,iron fittings, steel fabricated work(Angle installation-Cleat for Pole Base , refilling, flooding with water, ramming/compacting of foundation as per TPNODL specifications including removal & disposal of malba as per instruction of EIC. The scope of work include providing & laying of cement concrete, and Painting of Pole (In Black & Yellow Strips/Zebra)	Nos.	1000									
18	RSJ	SITC including loading , unloading & transportation (upto 10 Km) of 150X 150mm GI RS joist (11 Mtr long) (34.6 Kg Per Mtr.) (Each 380.6Kg) Pole [Holes Provision - In Top (2 for Top channel) At Bottom (1 for Earthing Fittings)] including of excavation, supply & fixing of base plate(300x300x12mm),supply & fixing of stiffner-4Nos. (150x60x6mm) fixing of clamps ,iron fittings, steel fabricated work(Angle installation-Cleat for Pole Base , refilling, flooding with water,	Nos.	1000									

		ramming/compacting of foundation as per TPNODL specifications including removal & disposal of malba as per instruction of EIC. The scope of work include providing & laying of cement concrete, and Painting of Pole (In Black & Yellow Strips/Zebra)											
19	PSC	ITC including loading , unloading & transportation of 9 Mtr. (300/400 Kg) PSC/PCC Pole including excavation, fixing of base plate, refilling, flooding with water, ramming/compacting of foundation including brick betting as per TPNODL specification and Painting of Pole (In Black & Yellow Strips/Zebra).	Nos.	1540									
20	PSC	SITC including loading , unloading & transportation of 9 Mtr. (300/400 Kg) PSC/PCC Pole including excavation, fixing of base plate, refilling, flooding with water, ramming/compacting of foundation including brick betting as per TPNODL specification and Painting of Pole (In Black & Yellow Strips/Zebra).	Nos.	1540									
21	PSC	ITC including loading , unloading & transportation of 11 Mtr. PSC/PCC Pole (330 Kg) including excavation, fixing of base plate, refilling, flooding with water, ramming/compacting of foundation including brick betting as per TPNODL specifications and Painting of Pole (In	Nos.	150									

		Black & Yellow Strips/Zebra).											
22	PSC	SITC including loading , unloading & transportation of 11 Mtr. PSC/PCC Pole (330 Kg) including excavation, fixing of base plate, refilling, flooding with water, ramming/compacting of foundation including brick betting as per TPNODL specifications and Painting of Pole (In Black & Yellow Strips/Zebra).	Nos.	150									
23	H-Pole	ITC including loading , unloading & transportation (upto 10 Km) of GI H-Pole (11 Mtr long) (The H poles shall be constructed by joing two channels (200 X 75 X 7.5) face to face by means of 200 X 270 mm, 6 mm thick plate at a spacing of 900mm c/c.m] including of excavation, supply & fixing of base angle(L50x50x6-450MM,with nut & bolts),refilling, flooding with water, ramming/compacting of foundation as per TPNODL specifications including removal & disposal of malba as per instruction of EIC. The scope of work include providing & laying of cement concrete(M15)(1.8x0.6x0.4M), and Painting of Pole (In Black & Yellow Strips/Zebra)	Nos.	500									

24	H-Pole	SITC including loading , unloading & transportation (upto 10 Km) of GI H-Pole (11 Mtr long) (The H poles shall be constructed by joing two channels (200 X 75 X 7.5) face to face by means of 200 X 270 mm, 6 mm thick plate at a spacing of 900mm c/c.m] including of excavation, supply & fixing of base angle(L50x50x6-450MM,with nut & bolts),refilling, flooding with water, ramming/compacting of foundation as per TPNODL specifications including removal & disposal of malba as per instruction of EIC. The scope of work include providing & laying of cement concrete(M15)(1.8x0.6x0.4M), and Painting of Pole (In Black & Yellow Strips/Zebra)	Nos.	500									
25	Pole	Rectification/Straightening of tilted pole in all respect including New Gen Hydra/ Crane as the case may be where outage will be availed to work. Scope of work include the supply of manpower and machine to straightening the pole.	Nos.	5000									
26	Conductor	Stringing, Testing and commissioning including loading, unloading & transportation of 232 sqmm All Aluminium Conductor (AAAC) in 33 KV OH Line and 33/11 KV PSS as per TPNODL specification including Jumpering & making of connection hooks etc.	Mtr.	390145									

27	Cond uctor	Stringing, Installation ,Testing and commissioning including loading , unloading & transportation of 148 sqmm All Aluminium Conductor (AAAC) in 33 KV OH Line as per TPNODL specification including Jumpering & making of connection hooks etc.	Mtr.	179220									
28	Cond uctor	Stringing, Installation ,Testing and commissioning including loading , unloading & transportation of 125 sqmm All Aluminium Conductor (AAAC) in OH Line as per TPNODL specification including Jumpering & making of connection hooks etc.	Mtr.	36510									
29	Cond uctor	Stringing, Installation ,Testing and commissioning including loading , unloading & transportation of 232 sqmm AAAC (AL-7) XLPE Covered Conductor 11 KV OH Line & jumpering of equipment with wedge connector as per TPNODL specification including Jumpering & making of connection hooks etc.	Mtr.	5000									
30	Cond uctor	Stringing, Installation ,Testing and commissioning including loading , unloading & transportation of 185 sqmm AAAC (AL-7) XLPE Covered Conductor 11 KV OH Line & jumpering of equipment with wedge connector as per TPNODL specification including Jumpering & making of connection hooks etc.	Mtr.	5000									

31	Conductor	Stringing, Installation ,Testing and commissioning including loading , unloading & transportation of 150 sqmm AAAC (AL-7) XLPE Covered Conductor 11 KV OH Line & jumpering of equipment with wedge connector as per TPNODL specification including Jumpering & making of connection hooks etc.	Mtr.	5000									
32	Conductor	Stringing, Installation ,Testing and commissioning including loading , unloading & transportation of AAAC/ACSR Rabbit 55/61.7 SQ.MM insulated Conductor for Jumpering work with wedge connector of Distribution Transformer & making of connection hooks etc. as per TPNODL specification including Jumpering with wedge connector & making of connection hooks etc.	Mtr.	8126									
33	Conductor	Stringing, Installation ,Testing and commissioning including loading , unloading & transportation of 100 sqmm All Aluminium Conductor (AAAC) in 11 KV OH Line & jumpering of equipment with wedge connector as per TPNODL specification including Jumpering & making of connection hooks etc.	Km	670									
34	Conductor	Stringing, Installation ,Testing and commissioning including loading , unloading & transportation of 80 sqmm All Aluminium	Km	250									

		Conductor (AAAC) as per TPNODL specification including Jumpering with wedge connector & making of connection hooks etc..											
35	Conductor	Stringing, Installation ,Testing and commissioning including loading , unloading & transportation of AAAC Rabbit 55 SQ.MM Conductor for Jumpering work with wedge connector of Distribution Transformer & making of connection hooks etc as per TPNODL specification including Jumpering with wedge connector & making of connection hooks etc.	Km	90									
36	Conductor	Stringing, Installation ,Testing and commissioning including loading , unloading & transportation of 70 sqmm AAAC (AL-7) XLPE Covered Conductor 11 KV OH Line & jumpering of equipment with wedge connector as per TPNODL specification including Jumpering & making of connection hooks etc.	Km	10									
37	Conductor	Stringing, Installation ,Testing and commissioning including loading , unloading & transportation of 50 sqmm AAAC (AL-7) XLPE Covered Conductor 11 KV OH Line & jumpering of equipment with wedge connector as per TPNODL specification including Jumpering & making of connection hooks etc.	Km	10									

38	Conductor accessories	SITC including loading , unloading & transportation of Poly-olyfin Black Sleeve (heat shrinkable) on bare conductor near pin insulator to reduce transient trippings due to birds electrocution as per TPNODL specification.	Mtr.	5000									
39	Conductor accessories	SITC including loading , unloading & transportation of Mid span compression joints suitable for 232sqmm AAAC conductor as per TPNODL specification.	EA	250									
40	Conductor accessories	SITC including loading , unloading & transportation of Mid span compression joints suitable for 148sqmm AAAC conductor as per TPNODL specification.	EA	250									
41	Conductor accessories	SITC including loading , unloading & transportation of Mid span compression joints suitable for 125sqmm AAAC conductor as per TPNODL specification.	EA	250									
42	Conductor accessories	SITC including loading , unloading & transportation of Mid span compression joints suitable for 100/80sqmm AAAC conductor as per TPNODL specification.	EA	500									
43	Conductor accessories	SITC including loading , unloading & transportation of PG Clamp for 35/55 mm2 AAAC (for Jumpering)	EA	500									
44	Conductor accessories	SITC including loading , unloading & transportation of PG Clamp for 80/100 mm2 AAAC (for Jumpering)	EA	500									

45	Conductor accessories	SITC including loading , unloading & transportation of PG Clamp for 148 mm2 AAAC (for Jumpering)	EA	500									
46	Conductor accessories	SITC including loading , unloading & transportation of PG Clamp for 232 mm2 AAAC (for Jumpering)	EA	500									
47	LT ABC	ITC including loading , unloading & transportation of Overhead LT 1.1 kV Grade- 3X95+1X35+1X16 mm2 AB Cable including Tie plastic as per TPNODL specification.	Km	50									
48	LT ABC	ITC including loading , unloading & transportation of Overhead LT 1.1 kV Grade- 3X70+1X35+1X16 mm2 AB Cable including Tie plastic as per TPNODL specification.	Km	50									
49	LT ABC	ITC including loading , unloading & transportation of Overhead LT 1.1 kV Grade- 3X50+1X25+1X16 mm2 AB Cable includingTie plastic as per TPNODL specification.	Km	220									
50	LT ABC	ITC including loading, unloading & transportation of Overhead LT 1.1 kV Grade- 3X35+1X25+1X16 mm2 AB Cable includingTie plastic as per TPNODL specification.	Km	50									
51	LT ABC	ITC including loading, unloading & transportation of Overhead LT 1.1 kV Grade- 3X95+1X35 mm2 AB Cable includingTie plastic as per TPNODL specification.	Km	50									
52	LT ABC	ITC including loading, unloading & transportation of	Km	50									

		Overhead LT 1.1 kV Grade- 3X70+1X35 mm2 AB Cable includingTie plastic as per TPNODL specification.											
53	LT ABC	ITC including loading , unloading & transportation of Overhead LT 1.1 kV Grade- 3X50+1X35 mm2 AB Cable includingTie plastic as per TPNODL specification.	Km	50									
54	LT ABC	ITC including loading, unloading & transportation of Overhead LT 1.1 kV Grade- 3X35+1X25 mm2 AB Cable includingTie plastic as per TPNODL specification.	Km	50									
55	LT ABC	ITC including loading , unloading & transportation of Overhead LT 1.1 kV Grade- 1X35+1X25 mm2 AB Cable includingTie plastic as per TPNODL specification.	Km	50									
56	LT ABC Acces sories	SITC including loading,unloading & transportation of Dead end Anchor clamp suitable for for 35-95 sqmm LT AB cable as per TPNODL specification.	Set	5520									
57	LT ABC Acces sories	SITC including loading,unloading & transportation of anchor suitable for for 35-95 sqmm LT AB cable as per TPNODL specification.	Set	3520									
58	LT ABC Acces sories	SITC including loading ,unloading & transportation of Suspension clamp suitable for 35-95 sqmm LT AB cable as per TPNODL specification.	Set	6120									
59	LT ABC Acces sories	SITC including loading,unloading & transportation of IPC(insulated piercing connector) Type B suitable for LT AB	Nos.	13200									

		cable (Main-16-95 & Tap- 16-95 sqmm) as per TPNODL specification.											
60	LT ABC Accessories	SITC including loading,unloading & transportation of Bolt Type Eye Hook for ANCHOR/SUSPENSION CLAMP of AB cable as per TPNODL specification.	Nos.	11640									
61	LT ABC Accessories	SITC including loading ,unloading & transportation of Flat Type Eye Hook 35 MM *6 MM for AB cable as per TPNODL specification.	Nos.	1560									
62	LT ABC Accessories	SITC including loading , unloading & transportation of LT Connector Suitable for different size of bare messenger wire (25-35 mm) as per TPNODL specification.	Nos.	5000									
63	LT ABC	Supply, Installation ,Testing and commissioning including loading, unloading & transportation of Overhead LT 1.1 kV Grade- 4C*70 SQ.MM AB Cable including Tie plastic as per TPNODL specification.	Mtr.	2500									
64	LT ABC	Supply, Installation ,Testing and commissioning including loading, unloading & transportation of Overhead LT 1.1 kV Grade- 4C*150 SQ.MM AB Cable including Tie plasticas per TPNODL specification.	Mtr.	2500									
65	LT ABC Accessories	SITC including loading,unloading & transportation of IPC(insulated piercing connector) Type A as per TPNODL specification.	Nos.	52800									

66	LT ABC Accessories	SITC including loading,unloading & transportation of IPC(insulated piercing connector) Type C as per TPNODL specification.	Nos.	17600									
67	LT ABC Accessories	SITC including loading,unloading & transportation of IPC(insulated piercing connector) Type D as per TPNODL specification.	Nos.	17600									
68	LT ABC Accessories	Supply, Installation of Straight Through Joint KIT for LT AB Cable 1CX95 sqmm	Nos.	250									
69	LT ABC Accessories	Supply, Installation of outdoor termination KIT for LT AB Cable 1CX95 sqmm	Nos.	250									
70	LT ABC Accessories	Supply, Installation of Straight Through Joint KIT for LT AB Cable upto 1CX50 sqmm	Nos.	250									
71	LT ABC Accessories	Supply, Installation of outdoor termination KIT for LT AB Cable upto 1CX50 sqmm	Nos.	250									
72	LT ABC Accessories	Supply, Installation of Straight Through Joint KIT for LT AB Cable 1CX 70sqmm	Nos.	250									
73	LT ABC Accessories	Supply, Installation of outdoor termination KIT for LT AB Cable 1CX 70sqmm	Nos.	250									
74	LT ABC Accessories	Supply, Installation of outdoor termination KIT for LT AB Cable 3CX 35sqmm	Nos.	250									
75	LT ABC Accessories	Supply, Installation of outdoor termination KIT for LT AB Cable 1CX 35sqmm	Nos.	250									
76	LT ABC END CAP	Supply & Installation including loading , unloading & transportation of LT AB Cable End Cap as per TPNODL specification	Nos.	3000									
77	HT ABC	Stringing,testing & commissioning including loading ,	Mtr.	5000									

		unloading & transportation of 11kV, XLPE insulated, AL Conductor AB Cable 3CX95+1CX95 sqmm as per TPNODL specification											
78	HT ABC	Strunging,testing & commissioning including loading , unloading & transportation of 11kV, XLPE insulated, AL Conductor AB Cable 3CX150+1CX150 sqmm as per TPNODL specification	Mtr.	3000									
79	HT ABC	Stringing, Installation,testing & commissioning including loading , unloading & transportation of 11kV, XLPE insulated, AL Conductor AB Cable 1CX95+1CX35 sqmm as per tatapower-ddl specification including testing of cable	Mtr.	3000									
80	HT ABC	Strining, Installation,testing & commissioning including loading , unloading & transportation of 11kV, XLPE insulated, AL Conductor AB Cable 1CX150+1CX155 sqmm as per tatapower-ddl specification including testing of cable	Mtr.	3000									
81	Jointing Kits	Supply, Installation,testing & commissioning including loading , unloading & transportation of Striaght Through Jointing Kit for 11kV XLPE insulated, AL conductor AB Cable 1CX95sqmm as per TPNODL specification	Nos.	1000									

82	Jointing Kits	Supply, Installation,testing & commissioning including loading , unloading & transportation of Striaght Through Jointing Kit for 11kV XLPE insulated, AL conductor AB Cable 1CX150sqmm as per TPNODL specification	Nos.	1000									
83	Jointing Kits	Supply, Installation,testing & commissioning including loading , unloading & transportation of Outdoor End Termination Kit of 1CX95 sqmm (Single) for 11kV XLPE insulated AL AB Cable as per TPNODL specification	Nos.	1000									
84	Jointing Kits	Supply, Installation,testing & commissioning including loading , unloading & transportation of Outdoor End Termination Kit of 1CX150 sqmm (Single) for 11kV XLPE insulated AL AB Cable as per TPNODL specification	Nos.	1000									
85	HT ABC END CAP	Supply & Installation including loading , unloading & transportation of HT AB Cable End Cap as per TPNODL specification	Nos.	3000									
86	HT ABC	SITC including loading , unloading & transportation of Dead End Clamp for HT AB Cable of size below 95sqmm as per TPNODL specification and drawing	Nos.	500									
87	HT ABC	SITC including loading , unloading & transportation of Dead End Clamp for HT AB Cable of size	Nos.	500									

		95 to 150 sqmm as perTPNODL specification and drawing											
88	HT ABC	SITC including loading , unloading & transportation of Suspension Clamp for HT AB Cable of size below 95sqmm as per TPNODL specification and drawing	Nos.	500									
89	HT ABC	SITC including loading , unloading & transportation of Suspension Clamp for HT AB Cable of size 95 to 150 as per TPNODL specification and drawing	Nos.	500									
90	Transformer	Installation,testing & commissioning including loading, unloading & transportation of 11/0.4kV, 990/1000kVA 3-Phase Distribution Transformer along with all acessories on existing structure as per TPNODL specification.	Nos.	10									
91	Transformer	Installation,testing & commissioning including loading, unloading & transportation of 11/0.4kV, 750kVA 3-Phase Distribution Transformer along with all acessories on existing structure as per TPNODL specification.	Nos.	10									
92	Transformer	Installation,testing & commissioning including loading, unloading & transportation of 11/0.4kV, 630kVA 3-Phase Distribution Transformer along with all acessories on existing structure as per TPNODL specification.	Nos.	20									

93	Transformer	Installation,testing & commissioning including loading, unloading & transportation of 11/0.4kV, 500 KVA 3-Phase Distribution Transformer along with all acessories on existing structure as per TPNODL specification.	Nos.	20									
94	Transformer	Installation,testing & commissioning including loading , unloading & transportation of 11/0.4kV, 315 KVA 3-Phase Distribution Transformer along with all acessories on existing structure as per TPNODL specification.	Nos.	100									
95	Transformer	Installation,testing & commissioning including loading , unloading & transportation of 11/0.4kV, 250 KVA 3-Phase Distribution Transformer along with all acessories on existing structure as per TPNODL specification.	Nos.	250									
96	Transformer	Installation,testing & commissioning including loading , unloading & transportation of 11/0.4kV, 200 KVA 3-Phase Distribution Transformer along with all acessories on existing structure as per TPNODL specification.	Nos.	250									
97	Transformer	Installation,testing & commissioning including loading , unloading & transportation of 11/0.4kV, 160 KVA 3-Phase Distribution Transformer along with all acessories on existing structure as per TPNODL specification.	Nos.	250									

98	Transformer	Supply, Installation,testing & commissioning including loading, unloading & transportation of 11/0.4kV, 100kVA 3-Phase Distribution Transformer along with all acessories on existing structure as per TPNODL specification.	Nos.	250									
99	Transformer	Installation,testing & commissioning including loading, unloading & transportation of 11/0.4kV, 63kVA 3-Phase Distribution Transformer along with all acessories on existing structure as per TPNODL specification.	Nos.	250									
100	Transformer	Installation,testing & commissioning including loading, unloading & transportation of 11/0.4kV, 25kVA 2/3-Phase Distribution Transformer along with all acessories on existing structure as per TPNODL specification.	Nos.	250									
101	Transformer	Installation,testing & commissioning including loading, unloading & transportation of 11/0.4kV, 16kVA 1-Phase Distribution Transformer along with all acessories on existing structure as per TPNODL specification.	Nos.	250									
102	Transformer	Installation,testing & commissioning including loading, unloading & transportation of 11/0.4kV, 10kVA 1-Phase Distribution Transformer along with all acessories on existing structure as per TPNODL specification.	Nos.	250									

103	LTDB	ITC including loading, unloading & transportation of Distribution box with MCCB &suitable bus bars, earthing bus, earthing terminals, box illumination, front door operated with proper locking arrangement, non magnetic gland plate, double compression brass cable glands, lugs, mounting channel frame, internal wiring with Non FRLS cables, danger plate, numbering, back clamps, hardware as per TPNODL specification suitable for 315 KVA transformer.	Nos.	50									
104	LTDB	ITC including loading , unloading & transportation of Distribution box with MCCB &suitable bus bars, earthing bus, earthing terminals, box illumination, front door operated with proper locking arrangement, non magnetic gland plate, double compression brass cable glands, lugs, ferrule, mounting channel frame, internal wiring with Non FRLS cables, danger plate, numbering, back clamps, hardware as per TPNODL specification for suitable for 250 KVA transformer.	Nos.	320									
105	LTDB	ITC including loading , unloading & transportation of Distribution box with MCCB &suitable bus bars, earthing bus, earthing terminals, box illumination, front door operated with proper locking arrangement, non magnetic gland plate,	Nos.	320									

		double compression brass cable glands, lugs, mounting channel frame, internal wiring with Non FRLS cables, danger plate, numbering, back clamps, hardware as per TPNODL specification for 200 KVA transformer.											
106	LTDB	ITC including loading , unloading & transportation of Distribution box with MCCB &suitable bus bars, earthing bus, earthing terminals, box illumination, front door operated with proper locking arrangement, non magnetic gland plate, double compression brass cable glands, lugs, mounting channel frame, internal wiring with Non FRLS cables, danger plate, numbering, back clamps, hardware as per TPNODL specification suitable for 160 KVA transformer.	Nos.	250									
107	LTDB	ITC including loading , unloading & transportation of Distribution box with MCCB &suitable bus bars, earthing bus, earthing terminals, box illumination, front door operated with proper locking arrangement, non magnetic gland plate, double compression brass cable glands, lugs, mounting channel frame, internal wiring with Non FRLS cables, danger plate, numbering, back clamps, hardware as per TPNODL specification suitable for 100 KVA transformer.	Nos.	600									

108	LTDB	ITC including loading , unloading & transportation of Distribution box with MCCB & suitable bus bars, earthing bus, earthing terminals, box illumination, front door operated with proper locking arrangement, non magnetic gland plate, double compression brass cable glands, lugs, mounting channel frame, internal wiring with Non FRLS cables, danger plate, numbering, back clamps, hardware as per TPNODL specification suitable for 63 KVA transformer.	Nos.	250									
109	LTDB	ITC including loading , unloading & transportation of Distribution box with MCCB & suitable bus bars, earthing bus, earthing terminals, box illumination, front door operated with proper locking arrangement, non magnetic with gland plate, double compression brass cable glands, lugs, mounting channel frame, internal wiring with Non FRLS cables, danger plate, numbering, back clamps, hardware as per TPNODL specification suitable for 25 KVA transformer.	Nos.	250									
110	LTDB	ITC including loading , unloading & transportation of Distribution box with MCCB & suitable bus bars, earthing bus, earthing terminals, box illumination, front door operated with proper locking arrangement, non magnetic with gland	Nos.	250									

		plate, double compression brass cable glands, lugs, mounting channel frame, internal wiring with Non FRLS cables, danger plate, numbering, back clamps, hardware as per TPNODL specification suitable for 16 KVA Single Phase transformer.											
111	LTDB	ITC including loading , unloading & transportation of Distribution box with MCCB & suitable bus bars, earthing bus, earthing terminals, box illumination, front door operated with proper locking arrangement, non magnetic with gland plate, double compression brass cable glands, lugs, mounting channel frame, internal wiring with Non FRLS cables, danger plate, numbering, back clamps, hardware as per TPNODL specification suitable for 10 KVA Single Phase transformer.	Nos.	250									
112	HGF	SITC including loading, unloading & transportation of 11kV, 200 Amps single phase H.G Fuse unit including Insulator & Fuse Link on existing structure as per TPNODL specification.	Nos.	1000									
113	DDF	SITC including loading, unloading & transportation of FUSE UNIT DD 11KV 200A 1Phase Silicon With Barrel as per TPNODL specification.	Nos.	1100									
114	DDF	SITC including loading, unloading & transportation of FUSE ELEMENT FOR 11KV DD FUSE 10 Amps GREEN as	Nos.	250									

		per TPNODL specification.											
115	DDF	SITC including loading, unloading & transportation of FUSE ELEMENT FOR 11KV DD FUSE 5 Amps RED as per TPNODL specification.	Nos.	250									
116	DDF	SITC including loading, unloading & transportation of FUSE ELEMENT FOR 11KV DD FUSE 20 Amps WHITE as per TPNODL specification.	Nos.	930									
117	DDF	SITC including loading, unloading & transportation of FUSE ELEMENT FOR 11KV DD FUSE 15 Amps as per TPNODL specification.	Nos.	250									
118	DDF	SITC including loading, unloading & transportation of FUSE ELEMENT FOR 11KV DD FUSE 30AMP PINK as per TPNODL specification.	Nos.	170									
119	DDF	SITC including loading,unloading & transportation of FUSE UNIT DD 11KV 100A 1Phase silicon with Barrel per TPNODL specification.	Nos.	250									
120	DDF	SITC including loading, unloading & transportation of FUSE ELEMENT FOR 11KV DD FUSE 8 Amps Blue as per TPNODL specification.	Nos.	250									
121	KIT KAT fuse	SITC including loading,unloading & transportation of FUSE UNIT KITKAT TYPE 63 A WITH BASE as per TPNODL specification.	Nos.	250									
122	KIT KAT fuse	SITC including loading,unloading & transportation of FUSE UNIT KITKAT	Nos.	250									

		TYPE 160 A WITH BASE as per TPNODL specification.											
123	KIT KAT fuse	SITC including loading,unloading & transportation of FUSE KITKAT TYPE 30 AMP WITH BASE as per TPNODL specification.	Nos.	250									
124	KIT KAT fuse	SITC including loading,unloading & transportation of FUSE UNIT KITKAT TYPE 250 A WITH BASE as per TPNODL specification.	Nos.	250									
125	Fuse wire	SITC including loading,unloading & transportation of TINNED COPPER BINDING WIRE / FUSE WIRE(TCBW NO.25 SWG/0.51 MM DIA 30 AMP)	Kg	100									
126	Fuse wire	SITC including loading,unloading & transportation of TINNED COPPER BINDING WIRE / FUSE WIRE(TCBW 33 SWG/0.25 MM DIA 10 A)	Kg	100									
127	Fuse wire	ITC of HG Fuse-11kV	Nos.	100									
128	Fuse wire	ITC of DD Fuse-11kV	Nos.	100									
129	Fuse wire	ITC of KIT KAT FUSE- for LT	Nos.	100									
130	Fuse wire	ITC of HG Fuse-33kV	Nos.	100									
131	Fuse wire	ITC of FUSE WIRE	Kg	100									
132	ACB	ITC including loading, unloading & transportation of LT ACB(air circuit breaker) 400 Amps with enclosure on existing structure as per as per TPNODL specification.	Nos.	300									
133	ACB	ITC including loading, unloading & transportation of LT ACB(air circuit breaker) 800 Amps	Nos.	50									

		with enclosure on existing structure as per as per TPNODL specification.											
134	ACB	ITC including loading, unloading & transportation of LT ACB(air circuit breaker) 1250 Amps with enclosure on existing structure as per as per TPNODL specification.	Nos.	50									
135	PALM Connector	SITC including loading , unloading & transportation of CONNECTOR PALM LT BRASS 500 KVA TRF distribution transformer as per TPNODL specification.	Nos.	200									
136	PALM Connector	SITC including loading , unloading & transportation of CONNECTOR PALM LT BRASS 250 KVA TRF distribution transformer as per TPNODL specification.	Nos.	200									
137	PALM Connector	SITC including loading , unloading & transportation of CONNECTOR PALM LT BRASS 1000A for 630KVA distribution transformer as per TPNODL specification.	Nos.	200									
138	Cable (HT 33 kv)	Laying(underground), testing, commissioining, transportation from site to site of 33 KV, XLPE, 3X300/400 sqmm Power cable, aluminium conductor, including supply & installation of tagging(at interval of 10 m) etc. as per TPNODL specification. (Scope includes Laying of Cable in existing trench/pipe/tray with supply & laying of cable covers , warning tape with sand & back filling, ramming and levelling	Mtr.	30000									

		of earth as per TPNODL specification including testing of cable. Scope also includes removal and disposal of loose malba above road/ground level as per instruction of EIC											
139	Cable (HT 33 kv)	Laying(underground), testing,commissioining, including transportation from store and unloading at site of 33 KV, XLPE, 1X300 sqmm Power cable, aluminium conductor, including supply & installation of tagging(at interval of 10 m) etc. as per TPNODL specification. (Scope includes Laying of Cable in existing trench/pipe/tray with supply & laying of cable covers , warning tape with sand & back filling, ramming and levelling of earth as per TPNODL specification including testing of cable. Scope also includes removal and disposal of loose malba above road/ground level as per instruction of EIC)	Mtr.	5000									
140	Cable (HT 33 kv)	Laying(underground), testing,commissioining, including transportation from store and unloading at site of 33 KV, XLPE, 1X300 sqmm Power cable, aluminium conductor, including supply & installation of tagging(at interval of 10 m) etc. as per TPNODL specification. (Laying of Cable in existing trench/pipe/tray) including testing of	Mtr.	5000									

		cable.											
141	Cable (HT 33 kv)	Laying(underground), testing,commissioining, transportation from site to site of 33 KV, XLPE, 3X300/400 sqmm Power cable, aluminium conductor, including supply & installation of tagging(at interval of 10 m) etc. as per TPNODL specification. Laying of Cable in existing trench/pipe/tray)as per TPNODL specification including testing of cable.	Mtr.	5000									
142	Cable (HT 11 KV)	Laying(underground), testing,commissioining, transportation from site to site of 11 KV, XLPE, size upto 1x400/3X300/3x400 sqmm Power cable , aluminium conductor, including supply & installation of tagging (at interval of 10 m) etc. as per TPNODL specification. (Laying of Cable in existing trench/tray/pipe)including testing of cable.	Mtr.	10000									
143	Cable (HT 11 KV)	Laying(underground), testing,commissioining, transportation from site to site of 11 KV, XLPE, size upto 3X185/3X150/3X240 sqmm Power cable , aluminium conductor, including supply & installation of tagging (at interval of 10 m) etc. as per TPNODL specification. (Laying of Cable in existing trench/tray/pipe)including testing of cable.	Mtr.	10000									
144	Cable (HT 11 KV)	Laying(underground), testing,commissioining, transporation from site to site of 11 KV, XLPE, 3X300/3x400 sqmm Power cable , aluminum conductor, supply & installation of AL tags (at interval of 10 m) etc as per TPNODL	Mtr.	60000									

		specification. (Scope includes Laying of Cable in existing trench with supply & laying of 9 bricks horizontally with sand & back filling, ramming and leveling of earth as per TPNODL specification including testing of cable. Scope also includes removal and disposal of loose malba above road/ground level as per instruction of EIC)											
145	Cable (HT 11 KV)	Laying(underground), testing,commissioining, transporation from site to site of 11 KV, XLPE, 3X240 sqmm Power cable , aluminum conductor, supply & installation of AL tags(at interval of 10 m) etc as per TPNODL specification. (Scope includes Laying of Cable in existing trench with supply & laying of 9 bricks horizontally with sand & back filling, ramming and leveling of earth as per TPNODL specification including testing of cable. Scope also includes removal and disposal of loose malba above road/ground level as per instruction of EIC)	Mtr.	10000									
146	Cable (HT 11 KV)	Laying(underground), testing,commissioining, transporation from site to site of 11 KV, XLPE, 3X185 sqmm Power cable , aluminum conductor,supply & installation of AL tags (at interval of 10 m) etc as per TPNODL specification. (Scope includes Laying of Cable in existing trench with supply &	Mtr.	4000									

		laying of 9 bricks horizontally with sand & back filling, ramming and leveling of earth as per TPNODL specification including testing of cable. Scope also includes removal and disposal of loose malba above road/ground level as per instruction of EIC)											
147	Cable (HT 11 KV)	Laying(underground), testing,commissioining, transporation from site to site of 11 KV, XLPE,Power three core cable upto size 3Cx150sqmm , aluminum conductor, supply & installation of AL tags (at interval of 10 m) etc as per TPNODL specification. (Scope includes Laying of Cable in existing trench with supply & laying of 9 bricks horizontally with sand & back filling, ramming and leveling of earth as per TPNODL specification including testing of cable. Scope also includes removal and disposal of loose malba above road/ground level as per instruction of EIC)	Mtr.	4000									
148	Cable (HT 11 KV)	Laying(underground), testing,commissioining, transporation from site to site of 11 KV, XLPE,Power Single core cable upto size 1Cx400sqmm , aluminum conductor, supply & installation of AL tags (at interval of 10 m) etc as per TPNODL specification. (Scope includes Laying of Cable in existing trench with supply & laying of 9 bricks horizontally with sand	Mtr.	4000									

		& back filling, ramming and leveling of earth as per TPNODL specification including testing of cable. Scope also includes removal and disposal of loose malba above road/ground level as per instruction of EIC)											
149	Excavation	Excavation of cable trench upto 1075 mm depth & 450 mm width in Rock soil as per TPNODL specification for laying of 11 kV one Cable. Scope of work excludes laying of HUME/PVC/HDPE/GI Pipe.	M3	2419									
150	Excavation	Excavation of cable trench upto 1075 mm depth & 450 mm width in Ordinary Soil as per TPNODL specification for laying of 11kV one Cable and removal of malba. Scope of work excludes laying of HUME/PVC pipe/HDPE/GI Pipe.	M3	2419									
151	Excavation	Excavation of cable trench upto 975 mm depth & 450 mm width in Rock soil as per TPNODL specification for laying of 1.1 kV one Cable. Scope of work excludes laying of HUME/PVC/HDPE/GI Pipe.	M3	2194									
152	Excavation	Excavation of cable trench upto 975 mm depth & 450 mm width in Ordinary Soil as per TPNODL specification for laying of 1.1kV one Cable and removal of malba. Scope of work excludes laying of HUME/PVC pipe/HDPE/GI Pipe.	M3	2194									
153	Cable (LT)	Installation,testing & commissioning transporation from site to site of 1.1kV	Mtr.	5928									

		1CX630 sqmm XLPE insulated PVC sheathed AL conductor Cable including their termination materials like glands, lugs, tagging etc as per TPNODL specification.											
154	Cable (LT)	Installation,testing & commissioning transporation from site to site of 1.1 KV 4CX300 sqmm XLPE Aluminum Conductor, Stranded, Armored cable including their termination materials like glands, lugs, tagging etc as per TPNODL specification.	Mtr.	15000									
155	Cable (LT)	Installation,testing & commissioning transporation from site to site of 1.1kV Armoured XLPE AL Cable of size 4CX240 sqmm including their termination materials like glands, lugs, tagging etc as per TPNODL specification.	Mtr.	4000									
156	Cable (LT)	Installation,testing & commissioning transporation from site to site of 1.1 KV 4CX150 sqmm XLPE Aluminum Conductor, Stranded, Armored cable including their termination materials like glands, lugs, tagging etc as per TPNODL specification	Mtr.	10000									
157	Cable	Installation,testing & commissioning transporation from site to site of 1.1 KV 2CX50 SQMM Un Armored, stranded copper conductor, PVC insulated and PVC sheathed cable including their termination materials like glands, lugs, tagging etc as per TPNODL	Mtr.	5000									

		specification.											
158	Cable	Installation,testing & commissioning transportation from store and unloading at site of 4CX16 sq mm Armored, stranded aluminum conductor, PVC insulated and PVC sheathed cable including their termination materials like glands, lugs, ferrule,tagging etc as per TPNODL specification	Mtr.	22000									
159	Cable	Installation,testing & commissioning transportation from store and unloading at site of 4CX25 sq mm Armored, stranded aluminum conductor, PVC insulated and PVC sheathed cable including their termination materials like glands, lugs, ferrule,tagging etc as per TPNODL specification	Mtr.	6600									
160	Cable	Installation,testing & commissioning transporation from site to site of 4CX10 sq mm Armored, stranded aluminum conductor, PVC insulated and PVC sheathed cable including their termination materials like glands, lugs, ferrule,tagging etc as per TPNODL specification	Mtr.	22000									
161	Cable	Installation,testing & commissioning transporation from site to site of 2CX6 sq mm Armored, stranded aluminum conductor, PVC insulated and PVC sheathed cable including their termination materials like glands, lugs, ferrule, tagging etc as per TPNODL	Mtr.	44000									

		specification.											
162	Cable	Installation,testing & commissioning transporation from site to site of 19CX2.5 SQMM Armored, stranded copper conductor, PVC insulated and PVC sheathed cable including their termination materials like glands, lugs, ferrule,tagging etc as per TPNODL specification	Mtr.	6000									
163	Cable	Installation,testing & commissioning transporation from site to site of 16CX2.5 SQMM Armored, stranded copper conductor, PVC insulated and PVC sheathed cable including their termination materials like glands, lugs, ferrule,tagging etc as per TPNODL specification	Mtr.	7000									
164	Cable	Installation,testing & commissioning transporation from site to site of 10CX2.5 SQMM Armored, stranded copper conductor, PVC insulated and PVC sheathed cable including their termination materials like glands, lugs,ferrule, tagging etc as per TPNODL specification.	Mtr.	7000									
165	Cable	Installation,testing & commissioning transporation from site to site of 7CX2.5 SQMM Armored, stranded copper conductor, PVC insulated and PVC sheathed cable including their termination materials like glands, lugs,ferrule, tagging etc as per TPNODL specification.	Mtr.	6000									

166	Cable	Installation,testing & commissioning transporation from site to site of 1.1kV armoured PVC sheathed AL conductor Cable of size 4CX2.5 sqmm including their termination materials like glands, lugs,ferrule, tagging etc as per TPNODL specification.	Mtr.	4000									
167	Cable	Installation,testing & commissioning transporation from site to site of 1.1kV armoured PVC sheathed AL conductor Cable of size 2CX2.5 sqmm including their termination materials like glands, lugs,ferrule, tagging etc as per TPNODL specification.	Mtr.	7000									
168	Cable	Installation,testing & commissioning transporation from site to site of 2CX2.5 SQMM Armored, stranded copper conductor, PVC insulated and PVC sheathed cable including their termination materials like glands, lugs, tagging etc as per TPNODL specification.	Mtr.	4000									
169	Cable	Laying of LT, XLPE, GI wire Armoured, AL Cable of size 4CX150 sqmm in S/Sth. Trench/Trenchless duct/Tray/GI Pipe/Hume Pipe as per TPNODL specification including testing of cable and transportation from store and unloading at site . Scope of work exclude laying of Hume Pipe, GI Pipe, PVC Pipe and Tray	Mtr.	4000									

170	Cable	Laying of LT, XLPE, GI wire Armoured, AL Cable of size 4CX300 sqmm in S/Sth. Trench/Trenchless duct/Tray/GI Pipe/Hume Pipe as per TPNODL specification including testing of cable transportation from store and unloading at site. Scope of work exclude laying of Hume Pipe, GI Pipe, PVC Pipe and Tray	Mtr.	4000									
171	Cable	Supply ,laying,testing & commissioining including loading,unloading & traporation of 1Cx16Sqmm AL XLPE cable for battery & battery charger including their termination materials like glands, lugs, tagging etc as per TPNODL specification.	Mtr.	4000									
172	Cable accessories	Supply, Installation of Straight Through Joint Kit for 1.1 kV XLPE AL Cable 4CX50 sqmm	Nos.	500									
173	Cable accessories	Supply, Installation of Straight Through Joint Kit for 1.1 kV XLPE AL Cable 4CX95 sqmm	Nos.	500									
174	Cable accessories	Supply, Installation of Straight Through Joint Kit for 1.1 kV XLPE AL Cable 4CX150 sqmm	Nos.	500									
175	Cable accessories	Supply, Installation of Straight Through Joint Kit for 1.1 kV XLPE AL Cable 4CX300 sqmm	Nos.	500									
176	Cable accessories	Supply, Fabrication and Erection of Aluminum flat 25X1.5 mm and marking cable number, sizes etc for cable tag	Nos.	500									
177	Jointing Kits	Supply, Installation of Straight Through Joint Kit for 11KV 3Cx300Sqmm XLPE Cable	EA	400									

178	Jointing Kits	Supply, Installation of Straight Through Joint Kit for 11KV 3Cx240Sqmm XLPE Cable	EA	300									
179	Jointing Kits	Supply, Installation of Straight Through Joint Kit for 11KV 3Cx185Sqmm XLPE Cable	EA	400									
180	Jointing Kits	Supply, Installation of Straight Through Joint Kit for 11KV 3Cx185Sqmm XLPE Cable	EA	400									
181	Jointing Kits	Supply, Installation of Straight Through Joint Kit for 11KV 3Cx150Sqmm XLPE Cable	EA	400									
182	Jointing Kits	Supply, Installation of Straight Through Joint Kit for 11KV 3Cx120Sqmm XLPE Cable	EA	400									
183	Jointing Kits	Supply, Installation of Straight Through Joint Kit for 11KV 3Cx95Sqmm XLPE Cable	EA	400									
184	Jointing Kits	Supply, Installation of Straight Through Joint Kit for 11KV 3Cx70Sqmm XLPE Cable	EA	400									
185	Jointing Kits	Supply, Installation of Straight Through Joint Kit for 11KV 3Cx50Sqmm XLPE Cable	EA	300									
186	Jointing Kits	Supply, Installation of Outdoor end termination Kit for 11KV 3Cx300Sqmm XLPE Cable	EA	400									
187	Jointing Kits	Supply, Installation of Outdoor end termination Kit for 11KV 3Cx240Sqmm XLPE Cable	EA	300									
188	Jointing Kits	Supply, Installation of Outdoor end termination Kit for 11KV 3Cx185Sqmm XLPE Cable	EA	400									
189	Jointing Kits	Supply, Installation of Outdoor end termination Kit for 11KV 3Cx185Sqmm XLPE Cable	EA	400									
190	Jointing	Supply, Installation of Outdoor end	EA	400									

	Kits	termination Kit for 11KV 3Cx150Sqmm XLPE Cable											
191	Jointing Kits	Supply, Installation of Outdoor end termination Kit for 11KV 3Cx120Sqmm XLPE Cable	EA	400									
192	Jointing Kits	Supply, Installation of Outdoor end termination Kit for 11KV 3Cx95Sqmm XLPE Cable	EA	400									
193	Jointing Kits	Supply, Installation of Outdoor end termination Kit for 11KV 3Cx70Sqmm XLPE Cable	EA	400									
194	Jointing Kits	Supply, Installation of Outdoor end termination Kit for 11KV 3Cx50Sqmm XLPE Cable	EA	300									
195	Jointing Kits	Supply, Installation of Indoor end termination Kit for 11KV 3Cx300Sqmm XLPE Cable	EA	400									
196	Jointing Kits	Supply, Installation of Indoor end termination Kit for 11KV 3Cx240Sqmm XLPE Cable	EA	300									
197	Jointing Kits	Supply, Installation of Indoor end termination Kit for 11KV 3Cx185Sqmm XLPE Cable	EA	400									
198	Jointing Kits	Supply, Installation of Indoor end termination Kit for 11KV 3Cx185Sqmm XLPE Cable	EA	400									
199	Jointing Kits	Supply, Installation of Indoor end termination Kit for 11KV 3Cx150Sqmm XLPE Cable	EA	400									
200	Jointing Kits	Supply, Installation of Indoor end termination Kit for 11KV 3Cx120Sqmm XLPE Cable	EA	400									
201	Jointing Kits	Supply, Installation of Indoor end termination Kit for 11KV 3Cx95Sqmm XLPE Cable	EA	400									
202	Jointing Kits	Supply, Installation of Indoor end termination Kit for 11KV 3Cx70Sqmm	EA	300									

		XLPE Cable											
203	Jointing Kits	Supply, Installation of Indoor end termination Kit for 11KV 3Cx50Sqmm XLPE Cable	EA	300									
204	Jointing Kits	Supply, Installation of Outdoor end termination Kit for 11KV 1Cx400Sqmm XLPE Cable	EA	400									
205	Jointing Kits	Supply, Installation of Outdoor end termination Kit for 11KV 1Cx300Sqmm XLPE Cable	EA	200									
206	Jointing Kits	Supply, Installation of Outdoor end termination Kit for 11KV 1Cx185Sqmm XLPE Cable	EA	200									
207	Jointing Kits	Supply, Installation of Outdoor end termination Kit for 11KV 1Cx150Sqmm XLPE Cable	EA	200									
208	Jointing Kits	Supply, Installation of Outdoor end termination Kit for 11KV 1Cx70Sqmm XLPE Cable	EA	200									
209	Jointing Kits	Supply, Installation of Outdoor end termination Kit for 11KV 1Cx50Sqmm XLPE Cable	EA	200									
210	Jointing Kits	Supply, Installation of Indoor end termination Kit for 11KV 1Cx400Sqmm XLPE Cable	EA	400									
211	Jointing Kits	Supply, Installation of Indoor end termination Kit for 11KV 1Cx300Sqmm XLPE Cable	EA	200									
212	Jointing Kits	Supply, Installation of Indoor end termination Kit for 11KV 1Cx185Sqmm XLPE Cable	EA	200									
213	Jointing Kits	Supply, Installation of Indoor end termination Kit for 11KV 1Cx150Sqmm XLPE Cable	EA	200									
214	Jointing Kits	Supply, Installation of Indoor end termination Kit for 11KV 1Cx70Sqmm XLPE Cable	EA	200									

215	Jointing Kits	Supply, Installation of Indoor end termination Kit for 11KV 1Cx50Sqmm XLPE Cable	EA	200									
216	Jointing Kits	Supply, Installation of Straight Through termination Kit for 11KV 1Cx400Sqmm XLPE Cable	EA	400									
217	Jointing Kits	Supply, Installation of Straight Through termination Kit for 11KV 1Cx300Sqmm XLPE Cable	EA	200									
218	Jointing Kits	Supply, Installation of Straight Through termination Kit for 11KV 1Cx185Sqmm XLPE Cable	EA	200									
219	Jointing Kits	Supply, Installation of Straight Through termination Kit for 11KV 1Cx150Sqmm XLPE Cable	EA	200									
220	Jointing Kits	Supply, Installation of Straight Through termination Kit for 11KV 1Cx70Sqmm XLPE Cable	EA	200									
221	Jointing Kits	Supply, Installation of Straight Through termination Kit for 11KV 1Cx50Sqmm XLPE Cable	EA	200									
222	Jointing Kits	Supply, Installation of Straight Through termination Kit for 33KV 3Cx300Sqmm XLPE Cable	Nos.	200									
223	Jointing Kits	Supply, Installation of Straight Through termination Kit for 33KV 3Cx400Sqmm XLPE Cable	Nos.	150									
224	Jointing Kits	Supply, Installation of Straight Through termination Kit for 33KV 1Cx300Sqmm XLPE Cable	Nos.	100									
225	Jointing Kits	Supply, Installation of Out Door termination Kit for 33KV 3Cx300Sqmm XLPE Cable	Nos.	100									
226	Jointing Kits	Supply, Installation of Out Door termination Kit for 33KV 3Cx400Sqmm XLPE Cable	Nos.	100									
227	Jointing	Supply, Installation of Out Door termination	Nos.	100									

	Kits	Kit for 33KV 1Cx300Sqmm XLPE Cable											
228	Jointing Kits	Supply, Installation of In Door termination Kit for 33KV 3Cx300Sqmm XLPE Cable	Nos.	100									
229	Jointing Kits	Supply, Installation of In Door termination Kit for 33KV 3Cx400Sqmm XLPE Cable	Nos.	100									
230	Jointing Kits	Supply, Installation of In Door termination Kit for 33KV 1Cx300Sqmm XLPE Cable	Nos.	100									
231	Lugs	SITC including loading , unloading & transportation of AL Lugs 4 sq mm , Crimping and connecting to the equipments including supply and erection of PVC Tape as per voltage requirement & as per TPNODL specification	Nos.	9000									
232	Lugs	SITC including loading , unloading & transportation of AL Lugs 10 sq mm , Crimping and connecting to the equipments including supply and erection of PVC Tape as per voltage requirement & as per TPNODL specification	Nos.	10000									
233	Lugs	SITC including loading , unloading & transportation of AL Lugs 25 sq mm , Crimping and connecting to the equipments including supply and erection of PVC Tape as per voltage requirement & as per TPNODL specification	Nos.	8800									
234	Lugs	SITC including loading , unloading & transportation of AL Lugs 35 sq mm , Crimping and connecting to the equipments including supply and erection	Nos.	15000									

		of PVC Tape as per voltage requirement & as per TPNODL specification											
235	Lugs	SITC including loading , unloading & transportation of AL Lugs 50 sq mm , Crimping and connecting to the equipments including supply and erection of PVC Tape as per voltage requirement & as per TPNODL specification	Nos.	15000									
236	Lugs	SITC including loading , unloading & transportation of AL Lugs 70 sq mm , Crimping and connecting to the equipments including supply and erection of PVC Tape as per voltage requirement & as per TPNODL specification	Nos.	18594									
237	Lugs	SITC including loading , unloading & transportation of AL Lugs 95 sq mm , Crimping and connecting to the equipments including supply and erection of PVC Tape as per voltage requirement & as per TPNODL specification	Nos.	12468									
238	Lugs	SITC including loading , unloading & transportation of AL Lugs 150 sq mm , Crimping and connecting to the equipments including supply and erection of PVC Tape as per voltage requirement & as per TPNODL specification	Nos.	12552									
239	Lugs	SITC including loading , unloading & transportation of AL Lugs 185 sq mm , Crimping and connecting to the equipments including supply and erection of PVC Tape as per voltage requirement &	Nos.	2000									

		as per TPNODL specification											
240	Lugs	SITC including loading , unloading & transportation of AL Lugs 300 sq mm , Crimping and connecting to the equipments including supply and erection of PVC Tape as per voltage requirement & as per TPNODL specification	Nos.	1112									
241	Lugs	SITC including loading , unloading & transportation of AL Lugs 630 sq mm , Crimping and connecting to the equipments including supply and erection of PVC Tape as per voltage requirement & as per TPNODL specification	Nos.	1536									
242	Cleat	SITC including loading , unloading & transportation of Wooden Cleat Set along with MS Flat & nut,bolt & washers of different sizes,including painting one coat of red oxide & two coats of AL paint for fixing different sizes of HT/LT cable (Price per Set).	Set	2000									
243	Cleat	SITC including loading , unloading & transportation of HDPE Cleat Set of different sizes for fixing different sizes of HT/LT 1C cable size upto 100sqmm (Price per Set).	Set	2000									
244	Cleat	SITC including loading , unloading & transportation of HDPE Cleat Set of different sizes for fixing different sizes of HT/LT cable size 100sqmm to 400sqmm (Price per Set).	Set	2000									
245	Cleat	SITC including loading , unloading & transportation of	Set	2000									

		HDPE Cleat Set of different sizes for fixing different sizes of HT/LT cable size 400sqmm to 630sqmm (Price per Set).											
246	Cleat	SITC including loading , unloading & transportation of GI Cleat Set of different sizes for fixing different sizes of HT/LT cable (Price per Set).	Set	2000									
247	DB	ITC including loading , unloading & transportation of Polycarbonate/Metal Distribution box 3 PH 4 WIRE for providing service connections from LT ABC/Lines as per TPNODL specification.	Nos.	2000									
248	DB	ITC including loading , unloading & transportation of Dist. Box 3 PH 4 WIRE 10 WAY including all accessories (Lugs, Gland, Ferrule etc) for fixing with pole and for providing service connections from LT ABC/Lines as per TPNODL specification.	Nos.	2000									
249	Street Lighting	SITC including loading , unloading & transportation of 120 Watts street light Fixture for LED Lamp fittings complete with Clamps including Bending of pipe & all accessories (Lugs, Gland, Ferrule etc) TPNODL specification.	Nos.	2000									
250	Street Lighting	SITC including loading , unloading & transportation of 70 Watts street light Fixture for LED Lamp fittings complete with Clamps including Bending of pipe & all accessories (Lugs, Gland, Ferrule etc) TPNODL specification.	Nos.	2000									

251	Earth pit	Construction of Earthing Chamber (Size: 2'X2') and RCC Slab cover as per TPNODL specification including supply of material	Nos.	1000									
252	Earthing	SITC including loading , unloading & transportation of Chemical earthing including all accessories as per TPNODL specification.	Nos.	1000									
253	Earthing	SITC including loading , unloading & transportation of Flexible CU earth bond 1cm dia and 500mm long,both end provision of socket suitable for M-16 bolts as per TPNODL specification.	Nos.	2000									
254	Earthing	SITC including loading , unloading & transportation of 40mm, class-B, 3 mtr. long hot dip GI pipe. The scope of work includes excavation/boring for treated earthpit,making chamber,cover,supply & pouring of salt,charcol in the earthpit,required GI nut,bolts ,washers, AL lugs & making connection with GI flat/wire as per TPNODL specification. Each pit resistance will be measured and recorded and shall be less than 1ohm.	Nos.	8857									
255	Earthing	SITC including loading , unloading & transportation of 50mm, class-B, 3 mtr. long hot dip GI pipe. The scope of work includes excavation/boring for treated earthpit,making chamber,cover,supply & pouring of salt,charcol in the	Nos.	1000									

		earthpit,required GI nut,bolts ,washers, AL lugs & making connection with GI flat/wire as per TPNODL specification. Each pit resistance will be measured and recorded and shall be less than 1ohm.											
256	Earthing	Providing and fixing Polyvinyl Chloride (PVC) pipes of 63 mm nominal outer dia with funnel , having thermal stability for water supply as per TPNODL Specification	Mtr.	1000									
257	Pole	Brick betting for Pole foundation including supply of consumables and strengthening as per TPNODL specification.	Nos.	15000									
258	GI wire	SITC including loading , unloading & transportation of 4 SWG GI wire for Guarding, Bracing including making of connection hooks,structure,for earthing of structures & equipment's etc. as per TPNODL specification.	Kg	221572									
259	GI wire	SITC including loading , unloading & transportation of 6 SWG GI wirefor Guarding of conductor on pole at road/street crossing including making connection with structures & equipment's with earth electrode/pipe/road for earthing etc. as per TPNODL specification.(0.146Kg/mtr)	Kg	21056									
260	GI wire	SITC including loading , unloading & transportation of GI wire 8 SWG for lacing of Guarding of conductor on pole at	Kg	14755									

		road/street crossing etc. as per TPNODL specification.(0.103Kg/mtr)											
261	H/W	ITC including loading , unloading & transportation of 4 Bolted(M-16 U bolts) single tension hardware fitting as per TPNODL specification.	Set	1140									
262	Insulator	SITC including loading , unloading & transportation of 11KV Disc insulator(polymer type) B&S Type 70KN as per TPNODL specification.	EA	6660									
263	Insulator	SITC including loading , unloading & transportation of 11KV Disc insulator(polymer type) B&S Type 90KN as per TPNODL specification.	EA	3000									
264	Insulator	SITC including loading , unloading & transportation of 11KV Disc insulator(polymer type) B&S Type 120KN as per TPNODL specification.	EA	5166									
265	Insulator	SITC including loading , unloading & transportation of 11KV Disc insulator porcelain B&S Type 70KN as per TPNODL specification.	EA	2000									
266	Insulator	SITC including loading , unloading & transportation of 11KV Pin insulator(polymer type) along with GI Pin as per TPNODL specification.	EA	23424									
267	H/W	SITC including loading , unloading & transportation of 11 KV HW FITTING(B&S) 70KN 3 BOLT as per TPNODL specification.	Nos.	7677									

268	Insulator	SITC including loading , unloading & transportation of 33 KV Guy insulator as per TPNODL specification.	Nos.	1500									
269	Insulator	SITC including loading , unloading & transportation of 11 KV Guy insulator as per TPNODL specification.	Nos.	1500									
270	Insulator	SITC including loading , unloading & transportation of LT Guy insulator as per TPNODL specification.	Nos.	1500									
271	Two line	SITC of 2 line cross arm on HT/LT pole as per TPNODL specification and drawing	Nos.	1500									
272		Installation Testing & Commissioning of Insulators- PIN Type for 11KV along with complete work including jumper. (Polymeric/ Porcelain)	Nos.	500									
273		Installation Testing & Commissioning of Insulators- PIN Type for 33KVV along with complete work including jumper.(Polymeric/ Porcelain)	Nos.	500									
274		Installation Testing & Commissioning of Insulators- DISC Type (Both-Suspension/ Tension) for 11KV along with complete work including jumper. (Polymeric/ Porcelain)	Nos.	500									
275		Installation Testing & Commissioning of Insulators- DISC Type (Both-Suspension/ Tension) for 33KV along with complete work including jumper. (Polymeric/ Porcelain)	Nos.	500									
276	LA	ITC including loading , unloading & transportation of 33kV distribution class LA Single Phase on existing structure as	Nos.	1000									

		per TPNODL specification.											
277	LA	ITC including loading , unloading & transportation of 11kV distribution class LA Single Phase on existing structure (LA 9KV 5KA FOR 11KV POLYMERIC) as per TPNODL specification.	Nos.	1000									
278	LA	ITC including loading , unloading & transportation of 11 kV LA Station Type Single Phase on existing structure (LA 9KV 5KA FOR 11KV POLYMERIC) as per TPNODL specification.	Nos.	2688									
279	Marker	SITC including loading , unloading & transportation of 33 KV Cable Route Marker as per TPNODL specification	Nos.	1000									
280	Marker	SITC including loading , unloading & transportation of 11 KV Cable Route Marker as per TPNODL specification	Nos.	1000									
281	Marker	SITC including loading , unloading & transportation of 33 KV Cable Joint Marker as per TPNODL specification	Nos.	1000									
282	Marker	SITC including loading , unloading & transportation of 11 KV Cable Joint Marker as per TPNODL specification	Nos.	1000									
283	MVLC	SITC including loading , unloading & transportation of MVLC medium voltage line cover (Polypro) as per TPNODL specification	Mtr.	5000									

284	N&B	SITC including loading , unloading & transportation of GI Nut & Bolts with plain & Spring Washer of all size based on site requirement & as per TPNODL specification	Kg	59597									
285	GI Pipe	Supply and installation including loading , unloading & transportation of 100 mm dia GI Pipe (Heavy Duty) including accessories for fixing it with pole/structure/trench and sealing of the pipe for Cable protection as per TPNODL specification	Mtr.	1000									
286	Hume Pipe	Supply and installation including loading , unloading & transportation of HUME 200mmdia and sealing of the same for Laying LT/HT Cables. Scope also includes providing and laying all required consumable etc. for collar fixing and sealing of Pipe. (Excavation is excluded)	M	1000									
287	Sign Board	Sign writing on Transformer, Panel,RMU,Substation, pole structure, fencing & any other structure/equipment as per details mentioned in the scope of work and specification (including supply of paint) as per TPNODL Specification.Unit/equipment	Nos.	400									

288	Stay Set	SITC including loading , unloading & transportation of 11 KV HT Stay Set (Galvanized) [Anchor plate (200x200x6), nut bolts, 1 Nos. turn-buckles, G.I Thimble 2 Nos.., 2.1 m long, 20 mm diaMtr. solid GI stay rod , guy insulator, TENSION SCREW (TURN BUCKLE) HT BOLT 20MM I hook complete as per TPNODL Specification.The scope also includes civil works(with 0.5 Cum cement concrete foundation 1:3:6 size (900mmx600mmx900 mm) using 40mm metal as per TPNODL specification).	Set	13980									
289	Stay Set	SITC including loading , unloading & transportation of 33 KV HT Stay Set (Galvanized) [Anchor plate (200x200x6), nut bolts, 1 Nos. turn-buckles, G.I Thimble 2 Nos.., 2.1 m long, 20 mm diaMtr. solid GI stay rod, guy insulator ,TENSION SCREW (TURN BUCKLE) LT BOLT 16MM, I hook complete as per TPNODL specification. The scope also includes civil works(with 0.5 Cum cement concrete foundation 1:3:6 size (900mmx600mmx900 mm) using 40mm metal as per TPNODL specification).	Set	13980									

290	Stay Set	SITC including loading , unloading & transportation of LT Stay Set (Galvanized) [Anchor plate (200x200x6), nut bolts, 1 Nos. turn-buckles, G.I Thimble 2 Nos.., 1.8 m long, 16 mm diaMtr. solid GI stay rod ,guy insulator,TENSION SCREW (TURN BUCKLE) HT BOLT 20MM , I hook complete as per technical specification.The scope also includes civil works(with 0.5 Cum cement concrete foundation 1:3:6 size (900mmx600mmx900 mm) using 40mm metal as per TPNODL specification).	Set	1100									
291	Stay wire	SITC including loading , unloading & transportation for Sagging/Stringing/Drawing of GI wire 7/10SWG (0.455Kg/mtr) for earting of equipments/structure/ stay Set as per TPNODL Specification	Kg	248497									
292	Stay wire	SITC including loading , unloading & transportation for Sagging/Stringing/Drawing of GI wire 7/8 SWG(0.729Kg/mtr) for earting of equipments/structure/ stay Set as per TPNODL Specification	Kg	7200									
293	Stay wire	SITC including loading , unloading & transportation for Sagging/Stringing/Drawing of GI wire 7/12 SWG for earting of equipments/structure/ stay Set as per TPNODL Specification	Kg	11000									

294	Steel Strap	SITC including loading , unloading & transportation of BUCKLES FOR STEEL STRAP (1 EA = 100 Nos.) as per TPNODL Specification	Nos.	200									
295	Steel Strap	SITC including loading , unloading & transportation of STEEL STRAP SIZE 20 MMX50 M LONG as per TPNODL Specification	Roll	200									
296	Structure	SITC including loading , unloading & transportation of Pre-fabricated GI Steel Structure (Angle. Channel, Flat etc.) as per TPNODL Specification	Kg	362390									
297	Structure	SITC including loading , unloading & transportation of Pre-fabricated GI Tower Structure/NBLS including tighting,punching,tag welding,leg painting etc. except civil foundation works as per TPNODL Specification	Kg	10000									
298	Structure	SITC including loading , unloading & transportation of Pre-fabricated MS Steel Structure (Angle. Channel, Flat etc.) including painting (one coat of red oxide & two coats of synthetic/aluminium paint) as per TPNODL Specification	Kg	362390									
299	Structure	SITC including loading , unloading & transportation of Eye Hook (16 mm dia) for Guarding	Nos.	20000									
300	Earthing	SITC including loading , unloading & transportation of GI earthing Flat 50X6 including bending,welding and painting of joints with red oxide & bituminous paint on	Kg	44820									

		welded area as per TPNODL specification.											
301	Earthing	SITC including loading , unloading & transportation of GI earthing Flat 25X6 including bending,welding and painting of joints with red oxide & bituminous paint on welded area as per TPNODL specification.	Kg	44820									
302	Earthing	SITC including loading , unloading & transportation of GI earthing Flat 75X10 including bending,welding and painting of joints with red oxide & bituminous paint on welded area as per TPNODL specification.	Kg	44820									
303	Earthing	SITC including loading ,unloading & transportation of coil earthing (8 SWG wire dia) along with 8 SWG Wire, excavation,backfilling, Nut -bolt & other accessories and connecting with cross arm, Channel, angle and other accessories of pole as per TPNODL specification.	Nos.	2000									
304	PG Clamp	SITC including loading , unloading & transportation of P.G. CLAMP FOR 148/232MM2 AAC CONDUCTOR as per TPNODL specification	Nos.	1000									
305	PG Clamp	SITC including loading , unloading & transportation of P.G. CLAMP FOR 125 MM2 AAC CONDUCTOR as per TPNODL specification	Nos.	1000									
306	PG Clamp	SITC including loading , unloading & transportation of P.G. CLAMP FOR 100	Nos.	1140									

		MM2 AAC CONDUCTOR as per TPNODL specification											
307	PG Clamp	SITC including loading , unloading & transportation of P.G. CLAMP FOR 80 MM2 AAC CONDUCTOR as per TPNODL specification	Nos.	1000									
308	PG Clamp	SITC including loading , unloading & transportation of P.G. CLAMP FOR 55 MM2 AAC CONDUCTOR as per TPNODL specification	Nos.	1000									
309	HDPE	Mounting of Cable (LT & HT) at Pole/tower/Structure , after passing through suitable size of 100 mm HDPE Pipe PN 4 PE80 (3 Mtr. including supply of pipe) proper clamping and fixing along (GI clamp (12X3 mm) at every interval of 1.5 mtr ,Nut & Bolt ,sealing of the pipe ,collar fixing,blocking of pipe). Scope of work excluding supply and erection of Wooden Cleat Set (Including Nomenclature , phase marking and numbering) as per TPNODL specification.	Nos.	500									
310	HDPE	Supply and laying including loading , unloading & transportation of HDPE Pipe PN 4 CLASS PE 63 of size125 mm.Dia as per IS:4984	Mtr.	4000									
311	HDPE	Supply and laying including loading , unloading & transportation of HDPE Pipe PN 4 CLASS PE 80 of size125 mm.Dia as per IS:4984	Mtr.	4000									
312	HDPE	Supply and laying including loading , unloading &	Mtr.	4000									

		transportation of HDPE Pipe PN 4 CLASS PE 63 of size160 mm.Dia as per IS:4984											
313	HDPE	Supply and laying including loading , unloading & transportation of HDPE Pipe PN 4 CLASS PE 63 of size 200 mm. Dia as per IS:4984	Mtr.	4000									
314	HDPE	Supply and laying including loading , unloading & transportation of HDPE Pipe PN 4 CLASS PE 80 of size160 mm.Dia as per IS:4984	Mtr.	4000									
315	HDPE	Supply and laying including loading , unloading & transportation of HDPE Pipe PN 4 CLASS PE 80 of size 200 mm. Dia as per IS:4984	Mtr.	4000									
316	HDPE	Supply and laying including loading , unloading & transportation of HDPE Pipe PN 6 CLASS PE 63 of size 200 mm. Dia as per IS:4984	Mtr.	4000									
317	HDPE	Supply and laying including loading , unloading & transportation of HDPE Pipe PN 6 CLASS PE 63 of size 160 mm. Dia as per IS:4984	Mtr.	4000									
318	HDPE	Supply and laying including loading , unloading & transportation of HDPE Pipe PN 6 CLASS PE 63 of size 125 mm. Dia as per IS:4984	Mtr.	4000									
319	HDPE	Supply and installation including loading , unloading & transportation of HDPE Pipe - 40 mm dia for Wire/Cable protection. Scope also include supply and erection of all	Mtr.	4000									

		required accessories for fixing it with pole/structure such as GI clamp (12X3 mm) at every interval of 1.5 mtr ,Nut & Bolt ,sealing of the pipe ,collar fixing as per TPNODL specification.											
320	HDPE	Supply and installation including loading , unloading & transportation of HDPE Pipe - 25mm dia for Wire/Cable protection. Scope also include supply and erection of all required accessories for fixing it with pole/structure such as GI clamp (12X3 mm) at every interval of 1.5 mtr ,Nut & Bolt ,sealing of the pipe ,collar fixing as per TPNODL specification.	Mtr.	39425									
321	Tape	SITC including loading, unloading & transportation of HT Tape 25mm 10m (11 KV)	Roll	100									
322	Tape	SITC including loading, unloading & transportation of PVC Tape adhesive 19MMX10M (All type Color)	Nos.	500									
323	M Seal	SITC including loading, unloading & transportation of M seal(1Kg)	Kg	500									
324	Painting	Supply & application of Reflecting Paint as per TPNODL specification	LTR	500									
325	Wooden Cleat	SITC including loading , unloading & transportation of Wooden Cleat Set, MS strip and hard ware for fixing power cable including painting one coat of red oxide & two coats of black paint as per TPNODL specification. Scope also includes supply of ISI marked paint.	Set	2000									

		(Price per Set)											
326	Danger Board	SITC including loading , unloading & transportation of Danger Board 33 KV with Back Clamp & Nut & Bolt as per TPNODL specification.	Nos.	15000									
327	Danger Board	SITC including loading , unloading & transportation of Danger Board 11 KV with Back Clamp & Nut & Bolt as per TPNODL specification.	Nos.	7654									
328	Danger Board	SITC including loading , unloading & transportation of Danger Board 440 V with Back & Nut & Bolt as per TPNODL specification.	Nos.	1540									
329	ALNOX 3M	SITC including loading , unloading & transportation of ALNOX 3M (HOT SPOT REDUCING PASTE) 250 gm to be applied on lugs of transformers connections. as per TPNODL specification.	Nos.	25									
330	Anticlimbing Device	SITC including loading , unloading & transportation of Anticlimbing device (to avoid the climbing at pole) for Tower (Bracket) as per as per TPNODL specification.	Nos.	3426									
331	Anticlimbing Device	SITC including loading , unloading & transportation of Barbed Wire(2.5MM x 2MM) (to avoid the climbing at pole) as per as per TPNODL specification.	Kg	8944									
332	Base Plate-RCC	SITC including loading , unloading & transportation of RCC Base Plate-450X450X75MM as per TPNODL specification.	Nos.	15000									
333	Bird Cap	SITC including loading , unloading & transportation of Bird	Nos.	2496									

		Cap for Lightning Arrester as per TPNODL specification											
334	BIRD GUARD	SITC including loading , unloading & transportation of Bird Guard Spike (Flexible Polycarbonate) on pole/insulators as per TPNODL specification	Nos.	1005									
335	Bus Bar	SITC including loading , unloading & transportation of BUS BAR COPPER HDT(Hard Drawn Tinned) SIZE 75X10MM as per TPNODL specification	Mtr.	42									
336	Connector	SITC including loading , unloading & transportation of wedge Connector for jumpering work for different size of conductor(For Connecting the conductor of different conductor size upto 55 Sq mm) as per TPNODL specification.	Nos.	1056									
337	Connector	SITC including loading , unloading & transportation of wedge Connector for jumpering work for different size of conductor(For Connecting the conductor of different conductor size above 55 to 100 Sq mm) as per TPNODL specification.	Nos.	1056									
338	Connector	SITC including loading , unloading & transportation of wedge Connector for jumpering work for 148-232 sqmm conductor as per TPNODL specification.	Nos.	1500									
339	Connector	SITC including loading , unloading & transportation of T-Connector for jumpering work for different size of	Nos.	1000									

		conductor(For Connecting the conductor of different conductor size upto 55 Sq mm) as per TPNODL specification.											
340	Connector	SITC including loading , unloading & transportation of T-Connector for jumpering work for different size of conductor(For Connecting the conductor of different conductor size above 55 to 100 Sq mm) as per TPNODL specification.	Nos.	1000									
341	Connector	SITC including loading , unloading & transportation of T-Connector for jumpering work for 148-232 sqmm conductor as per TPNODL specification.	Nos.	1000									
342	Connector	SITC including loading , unloading & transportation of Bi metallic washer/strip (wherever applicable) as per TPNODL specification.	Nos.	5000									
343	Gland	Supply and fixing including loading , unloading & transportation of Double compression Gland for armored 1.1 kV XLPE AL Cable size upto 4CX25 sqmm, including making hole in base plate and dressing of cable as per TPNODL specification.	Nos.	22000									
344	Gland	Supply and fixing including loading , unloading & transportation of Double compression Gland for armored 1.1 kV XLPE AL Cable - 4CX150 sqmm, including making hole in base plate and dressing of cable as per TPNODL specification.	Nos.	2030									

345	Gland	Supply and fixing including loading , unloading & transportation of Double compression Gland for armored 1.1 kV XLPE AL Cable - 4CX300 sqmm, including making hole in base plate and dressing of cable as per TPNODL specification.	Nos.	1098									
346	Guard	Providing and fixing including loading , unloading & transportation of RODENT CAPACITIVE SCREEN GUARD FOR- DT as per TPNODL specification.	Nos.	20000									
347	ABC END CAP	SITC including loading , unloading & transportation of end Cap for suitable for 35-95 sqmm LT AB Cables as per TPNODL specification.	Nos.	14080									
348	SMC Cleat	SITC including loading , unloading & transportation of SMC CLEAT FOR LT 630 SQMM CABLE for mounting of cable as per TPNODL specification.	Nos.	4000									
349	Scotch Putty	SITC including loading , unloading & transportation of 3M SCOTCH FILL PUTTY 25 mm*10 M on all LT connection, bushings etc.as per TPNODL Specification	Kg	352									
350	Scotch Spray	SITC including loading , unloading & transportation of 3M SCOTCH 1625 SPRAY 250 ml on all contacts to loosen dirt, light oxide layers and impurities before connectionas per TPNODL Specification	Nos.	141									
351	Tape	SITC including loading , unloading & transportation of	Roll	320									

		TAPE HT SCOTCH 23 25MMX9.1M 36 KV on HT side as per TPNODL specification.											
352	Tape	SITC including loading , unloading & transportation of Vinyl tape scotch 35 YELLOW-BLUE-RED color on DT connection etc. as per TPNODL specification.	Roll	1408									
353	Tape	SITC including loading , unloading & transportation of Anti tracking silicon tape scotch 70 3M	EA	127									
354	Tie	SITC including loading , unloading & transportation of TIE PLASTIC BLACK SIZE 7.6 MM X 380 MM as per TPNODL specification.	Nos.	8800									
355	Tie	SITC including loading , unloading & transportation of TIE PLASTIC BLACK SIZE 7.6 MM X 150MM as per TPNODL specification.	Nos.	4400									
356	Tie	SITC including loading , unloading & transportation of Tie Plastic size 9mmx265mm as per TPNODL specification.	Nos.	23760									
357	RMU	Installation, testing & commissioning including loading , unloading & transportation of 11kV 630 A 3 /4-way Ring Main Unit on existing structure/ foundation as per TPNODL specification excludes earthing, connection and construction of foundation	Nos.	10									
358	FPI	Supply, Installation, testing & commissioning including loading , unloading & transportation of Non-communicable FPI (Fault passage	Nos.	2000									

		indicator)as per TPNODL specification. (11kV)											
359	FPI	Supply, Installation, testing & commissioning including loading , unloading & transportation of FPI (Fault passage indicator) with Communication Box with proper wiring on GPRS modem as per TPNODL specification. (11kV)	Nos.	2000									
360	Civil	Supply and laying including loading, unloading & transportation of sand in substation cable trench (where it is not included in the scope) as per TPNODL specification.	M3	1000									
361	Excavation	Excavation of cable trench upto 1075 mm depth & 450 mm width in Rock soil as per TPNODL specification for laying of 11 kV one Cable. Scope of work excludes laying of HUME/PVC/HDPE/GI Pipe.	M3	4838									
362	Excavation	Excavation of cable trench upto 1075 mm depth & 450 mm width in Ordinary Soil as per TPNODL specification for laying of 11kV one Cable and removal of malba. Scope of work excludes laying of HUME/PVC pipe/HDPE/GI Pipe.	M3	4838									
363	Excavation	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqmm on plan) including disposal of excavated earth as per direction of EIC & as per TPNODL specification.	M3	1000									

364	Excavation	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, including getting out the excavated soil and disposal of surplus excavated soil as directed by EIC & as per TPNODL specification.	M3	1000									
365	Excavation	Mounting of Cable (LT & HT) at Pole, after passing through suitable size of GI/HDPE Pipe with its proper clamping. Scope includes fixing of wooden cleat for clamping of Termination End Box. Scope of work excluding supply and erection of Wooden Cleat Set(Including Nomenclature , phase marking and numbering) as per TPNODL specification.	Set	1000									
366	Trenchless	SITC including Making Trenchless ducts with 160 mm dia HDPE pipe casing using HDD machine including supply of HDPE pipe as per IS 4984, PN6 Class PE80 as per IS:4984. This is including laying of cable-11kV for all type of rating **(Single Run)**	Mtr.	10000									
367	Trenchless	SITC including Making Trenchless ducts with 160 mm dia HDPE pipe casing using HDD machine including supply of HDPE pipe as per IS 4984, PN6 Class PE80 as per IS:4984. This is including	Mtr.	8000									

		laying of cable-11kV for all type of rating **(Double Run)**											
368	Trenchless	SITC including Making Trenchless ducts with 160 mm dia HDPE pipe casing using HDD machine including supply of HDPE pipe as per IS 4984, PN4 Class PE63 as per IS:4984 This is including laying of cable-11kV for all type of rating **(Single Run)**	Mtr.	10000									
369	Trenchless	SITC including Making Trenchless ducts with 160 mm dia HDPE pipe casing using HDD machine including supply of HDPE pipe as per IS 4984, PN4 Class PE63 as per IS:4984. This is including laying of cable-11kV for all type of rating **(Double Run)**	Mtr.	8000									
370	Trenchless	SITC including Making Trenchless ducts with 200 mm dia HDPE pipe casing using HDD machine including supply of HDPE pipe as per IS 4984, PN4 Class PE63 as per IS:4984 This is including laying of cable-33kV for all type of rating **(Single Run)**	Mtr.	10000									
371	Trenchless	SITC including Making Trenchless ducts with 200 mm dia HDPE pipe casing using HDD machine including supply of HDPE pipe as per IS 4984, PN4 Class PE63 as per IS:4984. This is including laying of cable-33kV for all type of rating **(Double Run)**	Mtr.	5000									
372	Trenchless	SITC including Making Trenchless ducts with 200 mm dia HDPE pipe casing using HDD machine including supply of HDPE pipe as per IS	Mtr.	10000									

		4984, PN6 Class PE80 as per IS:4984. This is including laying of cable-33kV for all type of rating **(Single Run)**											
373	Trenchless	SITC including Making Trenchless ducts with 200 mm dia HDPE pipe casing using HDD machine including supply of HDPE pipe as per IS 4984, PN6 Class PE80 as per IS:4984. This is including laying of cable-33kV for all type of rating **(Double Run)**	Mtr.	5000									
374	Fencing	Providing, stretching and fixing Galvanised Iron chain link fencing 2" square and of gauge 10 (bare metal thickness) on angle posts ,duly grouted, with heavy duty GI split pins etc. in position complete as directed at all Heights including steel scaffolding	M2	25000									
375	Fencing	Providing and fixing including loading , unloading & transportation of FRP Fencing including Flurocent Sticker(two Mtr. in each post),Supply of Latch Lock, Supply of Hings,Supply of SS Lock with Key excluding civil works as per TPNODL specification.	M2	774264									
376	Civil	Construction of 3-way RMU Plinth with Brick, Mortar, 12 mm cement plaster and painting with enamel paint (including supply) as per TPNODL specification.	EA	50									
377	Civil	Construction of 4-way RMU Plinth with Brick, Mortar, 12 mm cement plaster and painting with enamel paint (including supply) as per	EA	50									

		TPNODL specification.											
378	Civil	Excavation & Cement concrete foundation for RS Joist pole using 1 part cement, 2 part sand, 4 part 20 mm size stone aggregate chips (1:2:4)- (with 600x400x800 mm including coping) including supply of material as per TPNODL specification.	M3	5000									
379	Civil	Earth work in Soil excavation in all kinds of soilby mechanical means (Hydraulic excavator)/manual means including hard & gravelly soil, stoney earth an gravel mixed, Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish up to 50 m and lift up to 1.5 m as per direction of Engineer-in-Charge. (All Kinds of Soil)	M3	1000									
380	Civil	Providing and laying in position plain cement concrete of specified grade using approved quality of cement, including hoisting, lowering & laying of concrete, ramming and curing etc. complete to requred levels laid in layers not exceeding 15cm thick in each layer including making the surface smooth with cost , conveyance, loading, unloading, royalities and taxes of all material, cost of all labour, sundries, T&P, etc. and dewatering if required including hire and running charges of water pump etc.	M3	1000									

		complete in all respect as per direction of Engineer-in-Charge.(excluding the cost of centering and shuttering) : 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).											
381	Civil	Providing & laying 1st class non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in foundation and plinth throughly soaked in water, with Cement mortar 1:4 (1 cement : 4 coarse sand) including scaffolding, racking out joints, curing etc. complete as directed by the Engineer-in-charge.	M3	1000									
382	Civil	Filling in foundation and plinth with good river sand well watered and rammed specification including cost, conveyance,taxes of all material, T & P , labour etc. as directed by the Engineer-in-charge.	M3	1000									
383	Civil	Wall Painting Two coats with weather coat on exterior wall surface of approved quality and approved shade over a coat of primer at all height of approved quality and shade including cleaning, sand papering the surface and making the surface smooth with cost , conveyance, loading, unloading, and taxes of all material, cost of all labour, sundries, T&P, etc. required for the work complete in all respect as per direction of Engineer-in-Charge	M2	1000									

384	Civil	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	M3	1000									
385	Civil	Reinforcement for R.C.C. work including straigh- tening, cutting, bending, placing in position and binding all cpmplete. Thermo-Mechanically Treated bars	Kg	1000									
386	Civil	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement- All work upto plinth level b) 1:2:4 (1cement : 2 coarse sand :4 graded stone aggregate 20 mm nominal size.	M3	1000									
387	Civil	Supplying and laying machine crushed upto 65 mm good quality blue stone aggregates uniformly spread and compacted.	M3	1000									
388	Civil	Providing, hoisting and fixing precast reinforced cement concrete 1:1.5:3 (1 cement : 1.5coarse sand : 3 graded stoned aggregate 20mm nominal size) in Cable Trench covers/Lintels including cost of centering, shuttering and finishing with neat cement punning on top surfaces (excluding reinforcement)	M3	1000									

389	Civil	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	M	10000									
390	Trimming	Trimming of tree branches in the vicinity of 33/11/LT lines and remaoval of branches from site to suitable place	EA	10000									
391	Dismantling	Dismantling of existing 11kV,CT with associated accessories including disconnection of all terminations and connections etc. Scope of work also includes loading, transportation, unloading and stacking at a proper place/ site and finally at TPNODL store / as per instruction of EIC.	Nos.	100									
392	Dismantling	Dismantling of existing 11kV,PT with associated accessories including disconnection of all terminations and connections etc. Scope of work also includes loading, transportation, unloading and stacking at a proper place/ site and finally at TPNODL store / as per instruction of EIC.	Nos.	50									
393	Dismantling	Dismantling of existing 11kV,Isolator with associated structure, accessories including disconnection of all terminations and connections etc. Scope of work also includes loading, transportation,	Nos.	400									

		unloading and stacking at a proper place/ site and finally at TPNODL store / as per instruction of EIC.											
394	Dismantling	Dismantling of existing power cable includes loading, transportation, unloading and staking at a proper place/ site and finally at safe place/ site and finally at TPNODL store as per instruction of EIC.	Kg	5000									
395	Dismantling	Dismantling of existing 11/0.4kV, upto 63 KVA Single/two/Three Phase Distribution Transformer including removal of HT/LT leads, earth connections etc.and unloading by crane if required. Scope of work also includes loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL Store as per instruction of EIC.	Nos.	400									
396	Dismantling	Dismantling of existing 11/0.4kV, above 63 to 250 KVA Three Phase Distribution Transformer including removal of HT/LT leads, earth connections etc.and unloading by crane if required. Scope of work also includes loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL Store as per instruction of EIC.	Nos.	500									
397	Dismantling	Dismantling of existing 11/0.4kV, above 250kVA upto 630 KVA Three Phase Distribution Transformer including removal of HT/LT leads, earth	Nos.	60									

		connections etc. and unloading by crane if required. Scope of work also includes loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store as per instruction of EIC.											
398	Dismantling	Dismantling of existing 11/0.4kV, above above 630 KVA Three Phase Distribution Transformer including removal of HT/LT leads, earth connections etc. and unloading by crane if required. Scope of work also includes loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store as per instruction of EIC.	Nos.	60									
399	Dismantling	Dismantling of existing LTDB of 11/0.4kV, 63-630 kVA Three Phase Distribution Transformer including removal of HT/LT leads, earth connections etc. and unloading by crane if required. Scope of work also includes loading, transportation, unloading and staking at a proper place in TPNODL store as per instruction of EIC.	Set	1000									
400	Dismantling	Dismantling of Bus Bar Box including removal of all Electric/Earth connections, loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store as per instruction of EIC.	Nos.	1000									

401	Dismantling	Dismantling of ACB(air circuit breaker) including removal of all Electric/Earth connections etc, loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store as per instruction of EIC. .	Nos.	250									
402	Dismantling	Dismantling of 11 kV GO/AB Switch including removal of all Electric/Earth connections etc., loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store as per instruction of EIC.	Nos.	300									
403	Dismantling	Dismantling of Lightening Arrester(LA) 9KV 5KA including removal of all Electric/Earth connections etc., loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store as per instruction of EIC.	Nos.	200									
404	Dismantling	Dismantling of AAAC 55sqmm conductor from overhead line, recoiling, loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store as per instruction of EIC. .	Kg	60196									
405	Dismantling	Dismantling of AAAC 80sqmm conductor from overhead line, recoiling, loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store as per instruction of EIC. .	Kg	82622									
406	Dismantling	Dismantling of AAAC 100sqmm conductor from overhead line, recoiling, loading,	Kg	73984									

		transportation, unloading and staking at a proper place/ site and finally at TPNODL store as per instruction of EIC. .											
407	Dismantling	Dismantling of AAAC above 100 to 232sqmm conductor from overhead line, recoiling, loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store as per instruction of EIC. .	Kg	80000									
408	Dismantling	Dismantling of PCC/PSC Pole after digging the pit and taking out the pole, refilling the pit with loose earth and ramming. Scope also include crushing of broken Pole and removal & disposal of malba at proper location as per instruction of EIC	Nos.	2540									
409	Dismantling	Dismantling of 8-13 Mtr. RS Joist Pole after digging the pit and taking out the pole, transportation and stacking the pole at proper place/ site and finally at TPNODL store as per instruction of EIC. the scope also includes refilling the pit with loose earth and ramming, removal and disposal of malba	Nos.	1500									
410	Dismantling	Dismantling/Removal of all hardware fittings & Insulator etc. from HT Single Pole including loading, transportation, unloading and staking of dismantled material at a proper place/ site and finally at TPNODL store as per instruction of EIC.	Nos.	3564									
411	Dismantling	Dismantling / Removal of all hardware fittings & Insulator etc. from Double Pole Structure	Set	1000									

		including loading, transportation, unloading and staking of dismantled material at a proper place/ site and finally at TPNODL store as per instruction of EIC.											
412	Dismantling	Dismantling/Removal of all hardware fittings & Insulator etc. from Triple Pole Structure including loading, transportation, unloading and staking of dismantled material at a proper place/ site and finally at TPNODL store as per instruction of EIC.	Nos.	1000									
413	Dismantling	Dismantling/Removal of all hardware fittings & Insulator etc. from Four Pole Structure including loading, transportation, unloading and staking of dismantled material at a proper place/ site and finally at TPNODL Store as per instruction of EIC.	Nos.	1000									
414	Dismantling	Dismantling of existing Street Light fixture and loading, transportation, unloading and staking at a proper place/ site and finally atTPNODL Store as per instruction of EIC.	Nos.	300									
415	Dismantling	Dismantling of Steel Structure and Nuts and Bolt including loading, transportation, unloading and staking of dismantled material at a proper place/ site and finally at TPNODL store as per instruction of EIC.	Kg	15000									
416	Dismantling	Dismantling of 11kV Pin Insulator with Pin including loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store as per instruction of EIC.	Set	3000									

417	Dismantling	Dismantling of 11kV Disc Insulator with Hardware including loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store as per instruction of EIC.	Set	3000									
418	Dismantling	Dismantling of Danger Board including removal of all Electric/Earth connections, loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store as per instruction of EIC.	Nos.	3000									
419	Dismantling	Dismantling of the G.I. & stay Wire as per standard practice of TP Northern Orissa Distribution Co. Ltd. including recoiling loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store as per instruction of EIC.	Kg	2500									
420	Dismantling	Dismantling of HT AL Bus bar mounted on 11kV insulator with re-openable insulation cover including removal of all Electric/Earth connections, loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL as per instruction of EIC.	Nos.	1000									
421	Dismantling	Dismantling of Fencing structure and loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL Store as per instruction of EIC.	Kg	4000									
422	Dismantling	Dismantling of HT AB Cable 3CX95+1CX95 sqmm from over head line, recoiling, loading,	Mtr.	4000									

		transportation, unloading and staking at a proper place/ site and finally at TPNODL store											
423	Dismantling	Dismantling of HT AB Cable 3CX150+1CX150 sqmm from over head recoiling, loading,transportation, unloading and staking at a proper place/ site and finally at TPNODL store	Mtr.	4000									
424	Dismantling	Dismantling of HT AB Cable 1CX95+1CX34 sqmm from over head line, recoiling, loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL	Mtr.	4000									
425	Dismantling	Dismantling of HT AB Cable 1CX150+1CX155 sqmm from over head recoiling, loading,transportation, unloading and staking at a proper place/ site and finally at TPNODL store	Mtr.	4000									
426	Dismantling	Dismantling of KIT KAT Type Fuse unit including removal of all Electric connections, loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store as per instruction of EIC.	Nos.	4000									
427	Dismantling	Dismantling of single phase DO/DD unit including removal of all Electric/Earth connections, loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store as per instruction of EIC.	Nos.	330									
428	Dismantling	Dismantling of Suspension Clamp including loading, transportation, unloading and staking	Nos.	4000									

		at a proper place/ site and finally at TPNODL store											
429	Dismantling	Dismantling of Dead End Clamp including loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store	Nos.	4000									
430	Dismantling	Dismantling of Eye Hook including loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store	Nos.	4000									
431	Dismantling	Dismantling of Insulated Piercing Connectors including loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store	Nos.	4000									
432	Dismantling	Dismantling of Clamps and Connectors- Mini Wedge connector/C Wedge connector/PG Clamp/T Clamp including loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store.	Nos.	4000									
433	Dismantling	Dismantling of 20/25/32/40/45/50/100/150 mm Dia GI Pipe including loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store.	Mtr.	2000									
434	Dismantling	Dismantling of Mtr.ing Cubicle including removal HT/LT lead, earth connections, loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store.	Nos.	300									

435	Dismantling	Dismantling of the G.I.Wire 7/8 SWG as per standard practice of TPNODL including recoiling loading, transportation, unloading and staking at a proper place/ site and finally at TPNODL store	Kg	5000									
436	Dismantling	Dismantling of different size of control cables including loading, transportation, unloading and staking of dismanled material at a proper place/ site and finally at TPNODL store	Mtr.	21000									
437	Dismantling	Dismantling of Steel Structure and Nuts and Bolt including loading, transportation, unloading and staking of dismanled material at a proper place/ site and finally at TPNODL store	Kg	207086									
438	Transportation	Transportation of various items from TPNODL store /site to other site or vice versa in TPNODL operational area - Tempo 709 with labours as required (price per trip). 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. (Price per Truck/tempo)	EA	50									
439	Transportation	Transportation of various items from TPNODL store / site to other site or vice versa in TPNODL operational area - Tempo 407 with labours as required (price per trip). Scope of work also include	EA	50									

		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.EIC approval is required. (Price per Truck/tempo)											
440	Transportation	Transportation of various items from TPNODL Store /site to other site or vice versa in TPNODL. Operational area - Three wheeler /ACE with labours as required (price per trip). 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 (Price per Truck/tempo).EIC approval is required.	EA	50									
441	Crane	Hiring of crane for Loading/ Unloading of heavy equipments like HT panel, Transformer, LT board, Cable drum/Conductor Drum,etc,EIC approval is required.	HOUR	200									
442	Transportation	Loading, transportation and Unloading of JOIST Pole of 9-13 Mtr long from TPNODL store /site to other site or vice versa - price per Pole.EIC approval is required.	EA	1000									
443	Transportation	Loading, transportation and Unloading of 10MTR/9 MTR/ 8 MTR PCC/PSC Pole from TPNODL. store /site to other site or vice versa - price per	EA	1000									

		Pole.EIC approval is required.											
444	Barricaddin g	Providing and Fixing Steel Barricading,caution tape,Plastic Barricading for Cable Trench/Pole Pit including loading and unloading as per TPNODL and statutory requirement.	Mtr.	5000									
445	Debris removal	Cleaning of 11KV substation i.e. plants,debris etc	M2	500									
446	Debris removal	Removal & disposal of Debris of other agency (Not applicable where removal and desposal is mentioned in the item rate)	M3	1000									
447	Digging pit	Digging (150 cm x 60 cm) test pit in Bricks/Foothpath for locating lillo and identifying faulty cable. Scope also includes back filling, ramming, leveling and removal of malba after jointing. (If it is used in trenchless, only unsucessful test pit will be payable)	Nos.	200									
448	Digging pit	Digging (150 cm x 60 cm) test pit in Carpet Road for locating lillo and identifying faulty cable. Scope also includes back filling, ramming, leveling and removal of malba after jointing. (If it is used in trenchless, only unsucessful test pit will be payable)	Nos.	200									
449	Digging pit	Digging (150 cm x 60 cm) test pit in CC/Dence Carpeted bituminous for locating lillo and identifying faulty cable.Scope also includes back filling, ramming, leveling and removal of malba after jointing. (If it is used in trenchless, only unsucessful test pit will be payable)	Nos.	200									

450	Dragging	Dragging of existing or new 11/0.4 kV, 630/750/990 kVA Three Phase transformer using having labour where transportation/loading & unloading by crane is not feasible.	M	1000									
451	Earthing	Sagging/Stringing/Drawing of GI wire 7/10SWG for earting of equipments/structure as per TPNODL specification/drawing.	Kg	4000									
452	Excavation	Digging of Joint Pit as required and docketing of joint with bricks & sand as per TPNODL specification/requirement, include refilling loose earth, ramming the surface, removal of malba etc.Scope also include supply of all required material.	M2	500									
453	Fencing	"Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia having 50 no rounds per 6 metre length on existing angle iron 'Y' shaped". (Unit shall be in Mtr.)	Mtr.	2000									
454	Heavy Labour	Provinding heavy labour(8-10person) for shifting and installation of Transformer/Switchgear Panel etc. equiped with chain block, tripod, required accessories, safety PPE etc. (price per Transformer/Switchgear panel)	EA	500									
455	Painting	Painting of existing fencing Structure with one coat of red oxide & two coats of synthetic paint as per TPNODL specification /.The scope includes supply of ISI marked Paint	M2	2000									
456	DTR	SITC including loading , unloading & transportation of of	Nos.	352									

		template for transformer maintenance record . MS Steel sheet of size(45CmX30Cm and Thickness 2mm).Painted with white paint											
457	Others	Detail survery of 33KV,11KV & LT line ,profile plotting,pole spotting and preparation of pole schedule,route drawing,layout,BOM and other required details in soft and hard copy.	Km	100									
458	Civil	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	M3	1000									
459	Civil	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	M3	1500									
460	Civil	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	M3	2500									

461	Civil	Earth work in excavation in all kinds of soil by mechanical means (Hydraulic excavator) / manual means including dressing of sides and ramming of bottoms including dewatering (both for sub-soil water& rain water) wherever required by mEAns of suitable capacity of pump & pipe lines during excavation, concreting & also keeping the area dry till the construction is over including close timbering including strutting, shoring and packing cavities (wherever required) etc. complete and disposal of excavated earth lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed	M3	2500									
462	Civil	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	M3	2500									
463	Civil	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone - III) : 8 graded stone aggregate 40 mm nominal size).	M3	2000									
464	Civil	Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in: Cement	M3	2500									

		mortar 1:4 (1 cement : 4 coarse sand)											
465	Civil	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Foundations, footings, bases of columns, etc. for mass concrete.	M2	2500									
466	Civil	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	M2	2500									
467	Civil	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size)	M3	1000									
468	Civil	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete at all levels. Thermo-Mechanically treated bars.	Kg	10000									
469	Civil	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, for all loads including all lifts involved.	M3	2500									

470	Civil	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	3000									
471	Civil	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete.	Kg	3000									
472	Civil	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work.	M2	2500									
473	Civil	6 mm cement plaster of mix for all heights: 1:4 (1 cement: 4 fine sand)	M2	2500									
474	Civil	12 mm cement plaster of mix for all heights: 1:4 (1 cement: 4 fine sand)	M2	2500									
475	Civil	15 mm cement plaster on the rough side of single or half brick wall of mix for all heights: 1:4 (1 cement: 4 fine sand)	M2	2500									
476	Civil	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusSet plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50metres lead.	Kg	2500									

477	Civil	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement :3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand including finishing the top smooth	M2	3000									
478	Civil	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m) having 50 no rounds per 6 metre length, upto 3m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) /Spring core (2.5mm thick) wire of high tensile strength of 165 Kg/ sq.mm with tape (0.52 mm thick) and weight 43.478gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	M	3000									
479	Painting	Supply & painting of MS Pole-9mtr with one coat of red oxide & two coats of silver paint as per TPNODL specification.(ISI marked Paint)	EA	1000									

480	Painting	Supply & painting of MS Pole-11mtr with one coat of red oxide & two coats of silver paint as per TPNODL specification.(ISI marked Paint)	EA	1000									
481	Painting	Supply & painting of MS Pole-13mtr with one coat of red oxide & two coats of silver paint as per TPNODL specification.(ISI marked Paint)	EA	1000									
482	Insulator	ITC including loading , unloading & transportation of 33KV Pin insulator(polymer type) along with GI Pin as per TPNODL specification.	EA	5000									
483	Insulator	ITC including loading , unloading & transportation of 33KV Disc insulator(polymer type) B&S Type 120KN as per TPNODL specification.	EA	3000									
484	Insulator	ITC including loading , unloading & transportation of 33KV Disc insulator(polymer type) B&S Type 70/90KN as per TPNODL specification.	EA	3000									
485	H/W	SITC including loading , unloading & transportation of compression type single tension hardware fittings for AAAC 232Sq. mm conductor as per TPNODL specification.	EA	250									
486	H/W	SITC including loading , unloading & transportation of compression type single tension hardware fittings for AAAC 148Sq. mm conductor as per TPNODL specification.	EA	250									

487	H/W	SITC including loading , unloading & transportation of compression type double tension hardware fittings for AAAC 232Sq. mm conductor as per TPNODL specification.	EA	100									
488	H/W	SITC including loading , unloading & transportation of compression type double tension hardware fittings for AAAC 148Sq. mm conductor as per TPNODL specification.	EA	100									
489	H/W	SITC including loading , unloading & transportation of single suspension string for single Conductor hardware fittings for AAAC 232Sq. mm conductor as per TPNODL specification.	EA	100									
490	H/W	SITC including loading , unloading & transportation of single suspension string for single Conductor hardware fittings for AAAC 148Sq. mm conductor as per TPNODL specification.	EA	100									
491	H/W	SITC including loading , unloading & transportation of Bolted Type Single Tension Fitting With Turn Buckle hardware fittings for AAAC 232Sq. mm conductor as per TPNODL specification.	EA	100									
492	H/W	SITC including loading , unloading & transportation of Bolted Type Single Tension Fitting With Turn Buckle hardware fittings for AAAC 148Sq. mm conductor as per TPNODL specification.	EA	100									

493		ITC of H/W Fitting-Suspension/ Tension including complete scope of work Jumpering etc. (for 11kV Line). (This is including ITC of insulator)	EA	3000									
494		ITC of H/W Fitting-Suspension/ Tension including complete scope of work Jumpering etc. (for 33kV Line). (This is including ITC of insulator)	EA	1000									
495	Excavation	Excavation of cable trench upto 1200 mm depth & 450 mm width in Rock soil as per TPNODL specification for laying of 33 KV one Cable and removal of malba. Scope of work excludes laying of HUME/PVC pipe/HDPE/GI Pipe .	M3	2700									
496	Excavation	Excavation of cable trench upto 1200 mm depth & 600 mm width in Rock soil as per TPNODL specification for laying of 33 KV double Cable and removal of malba. Scope of work excludes laying of HUME/PVC pipe/HDPE/GI Pipe .	M3	3600									
497	Excavation	Excavation of cable trench upto 1200 mm depth & 450 mm width in Ordinary Soil as per TPNODL specification for laying of 33 kV one Cable and removal of malba. Scope of work excludes laying of HUME/PVC pipe/HDPE/GI Pipe.	M3	2700									
498	Excavation	Excavation of cable trench upto 1200 mm depth & 600 mm width in Ordinary Soil as per TPNODL specification for laying of 33 kV Double Cable and removal of malba.	M3	3600									

		Scope of work excludes laying of HUME/PVC pipe/HDPE/GI Pipe.											
499		SITC of Silicon Rubber Spacer	EA	12000									
500	RMU	Installation, testing & commissioning including loading , unloading & transportation of 33kV 630 A 3 /4-way Ring Main Unit on existing structure/ foundation as per TPNODL specification excludes earthing, connection and construction of foundation	Nos.	10									
501	Civil	Construction of 3-way RMU Plinth with Brick, Mortar, 12 mm cement plaster and painting with enamel paint (including supply) as per TPNODL specification.	EA	5									
502	Civil	Construction of 4-way RMU Plinth with Brick, Mortar, 12 mm cement plaster and painting with enamel paint (including supply) as per TPNODL specification.	EA	5									
503	Civil	Excavation of cable trench in soil excluding laying of HUME/PVC Pipes for laying 33kV/ 11kV cable in same trench (INCLUDING dewatering if any) Dence carpet bituminous road (Asphalt)	M3	5000									
504	Civil	Excavation of cable trench in soil excluding laying of HUME/PVC Pipes for laying 33kV/ 11kV cable in same trench (INCLUDING dewatering if any) Ordinary bituminous / CC road / Foot path	M3	5000									
505	Civil	Excavation of cable trench in soil excluding laying of HUME/PVC Pipes for	M3	5000									

		laying 33kV/ 11kV cable in same trench (INCLUDING dewatering if any) Ordinary soil											
506	Civil	Excavation of cable trench in soil excluding laying of HUME/PVC Pipes for laying 33kV/ 11kV cable in same trench (INCLUDING dewatering if any) Rocky soil	M3	5000									

NOTE:

- The overall period of the contract shall be for a period of Two years. The contract shall however initially be placed for a period of one year only. TPNODL reserves the right to extend the contract on a year to year basis for a period of further One years as per the agreed (Pre-Finalized) rates and performance of the bidder.
- The bidders are advised to quote prices strictly in the above format and for all the line items as mentioned above in line with requirements mentioned in this document. Failing to do so, bids are liable for rejection.
- The bidder must fill each and every column of the above format. Mentioning "extra/inclusive" in any of the column may lead for rejection of the price bid.
- No cutting/ overwriting in the prices is permissible.

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 TPNODL's specifications:

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

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

Seal of the Bidder:

Signature:

Name:

ANNEXURE IV

Schedule of Commercial Specifications

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

S. No.	Particulars	Remarks
1.	Prices firm or subject to variation (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 Excise Duty	Yes / No (If Yes, indicate % rate)
1d.	GST applicable at concessional rate	Yes / No (If Yes, indicate % rate)
1e.	Octroi payable extra	Yes / No (If Yes, indicate % rate)
1f.	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 (For **5%** of order value for guarantee period)	Yes / No
6.	Liquidated damages clause acceptable	Yes / No
7.	Validity (180 days) (From the date of opening of technical 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 (If Yes, indicate, SSI Reg'n No.)	Yes / No

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 RFQ	
3	Company profile/ organogram	
4	Signed copy of this RFQ 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	

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, TPNODL 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. TPNODL 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. TPNODL will make every effort to make the bid process transparent. However, the award decision by TPNODL would be final and binding on the supplier.
3. The bidder agrees to non-disclosure of trade information regarding the purchase, identity of TPNODL, 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 TPNODL.
6. In case of intranet medium, TPNODL shall provide the infrastructure to bidders. Further, TPNODL 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 TPNODL.
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 TPNODL site.
10. The prices submitted by a bidder during the auction event shall be binding on the bidder.
11. No requests for time extension of the auction event shall be considered by TPNODL.
12. The original price bids of the bidders shall be reduced on pro-rata basis against each line item based on the final all inclusive prices offered during conclusion of the auction event for arriving at Contract amount.

Signature & Seal of the Bidder

Annexure VII

Scope of Work & Service Level Agreement

1. Construction and Augmentation of 11 kV / 33 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 TPNODL 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 TPNODL 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 TPNODL 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 TPNODL. Incase taking over by TPNODL is delayed because of reasons not attributable to BA, taking over certificate will be issued by TPNODL & Retention money will be released. It would be considered to be deemed taking over by TPNODL after fully compliance by bidder to all applicable successful testing & compliance to Inspections carried out to the satisfaction of TPNODL Projects & further taking over is pending due to reasons attributable to TPNODL 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 & statuary clearances shall be taken by TPNODL, 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 TPNODL and Successful Bidder.

11. Providing the steel barricading/ any other (as per site requirement) as per TPNODL specification will be in Bidder scope, TPNODL 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, TPNODL 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 TPNODL site/Store as per direction of Engg. In-Charge will be in bidder scope.
14. Erection including civil works without levies any extra financial burden to TPNODL.
15. 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 TPNODL E-I-C.
16. 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.
17. 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.
18. Watch & Ward, de-watering (normal) shall be in bidder scope.
19. Wherever TPNODL 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.
20. 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.
21. 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.
22. All required and applicable type tests has to be performed by supplier
23. 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.

Annexure VIII

Inspection Test Plan

NA

Annexure IX

General Conditions of Contracts

CONTENTS	
CLAUSE NO.	**DESCRIPTION**
1.0	**ORGANIZATIONAL VALUES**
2.0	**ETHICS**
3.0	**CONTRACT PARAMETERS**
3.1	Issue/Award of Contract
3.2	Contract Commencement Date
3.3	Contract Completion Date
3.4	Contract Period/Time
3.5	Contract Execution Completion Date
3.6	Contract Execution Period/Time
3.7	Contract Price /Value
3.8	Contract Document
3.9	Contract Language
3.10	Reverse Auction
4.0	**SCOPE OF WORK**
4.1	Indemnity
4.2	Display of notice boards at work site
4.3	Disposal of waste at site
4.4	Deployment of workforce
4.5	Damage of Properties
4.6	Issuance of material
4.7	Company's right to use works
4.8	Rights of TPNODL to vary the scope work
4.9	Technical Evaluation
5.0	**PRICES/RATES/TAXES**
5.1	Changes in statutory Tax Structure
6.0	**TERMS OF PAYMENT**
6.1	Pre-requisites for payment
6.2	Bills and invoices
6.3	Payment and statutory deductions
6.3.1	Statutory deductions

CONTENTS	
CLAUSE NO.	**DESCRIPTION**

CONTENTS	
CLAUSE NO.	**DESCRIPTION**

1.0 ORGANIZATIONAL VALUES

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

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

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

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

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

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

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

2.0 ETHICS

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

The main objective of the Ethics Management Team is to:

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

All Associates and Stakeholders are requested to register any grievance on ethics violation on reported to the following e-mail ID: ceooffice@tpnodl.com

3.0 CONTRACT PARAMETERS

3.1 Issue/ Award of Contract

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

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

3.2 Contract Commencement Date

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

3.3 Contract Completion Date

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

3.4 Contract Period/Time

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

3.5 Contract Execution Completion Date

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

3.6 Contract Execution Period/Time

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

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

3.7 Contract Price /Value

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

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

3.8 Contract Document

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

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

3.9 Contract Language

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

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

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

3.10 Reverse Auction

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

4.0 SCOPE OF WORK

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

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

The associate shall deliver equipment/material at site/stores, carry out erection, testing and commissioning and put into satisfactory operation as defined in contract. Unloading at site, storage, preservation, security and handling of the items at workplaces till completion of contract is also in scope of work.

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

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

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

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

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

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

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

4.1 Indemnity

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

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

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

4.2 Display of Notice Boards at Work Sites

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

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

4.3 Disposal of Waste at Site

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

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

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

- Associate shall ensure that the residents living near the site are kept informed about proposed working schedule and shall informed timings and duration of any abnormal noise full activity that is likely to happen.
- Associate shall ensure the regular maintenance and monitoring of vehicles and equipment for efficient fuel use so that emissions and noise are within acceptable limits to avoid air pollution.

4.4 Deployment of Work Force

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

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

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

4.5 Damages of Properties

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

4.6 Issuance of Materials

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

4.7 Company's Right To Use Works

If Taking Over Certificate is delayed for any reason, for which TPNODL's decision shall be final and binding upon the Associate, the Company shall be entitled to use the works or portion thereof without affecting Associate's responsibility and liability to complete the balance works as per company's directives from time to time, though Associate shall be afforded reasonable opportunity by the company to enable Associates to complete all balance works required for issuance of 'Taking Over Certificate' by the company.

4.8 Rights of TPNODL to vary the scope work

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

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

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

4.9 Technical Evaluation

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

S. No.	Evaluation Parameter	Max. Score
A	**For bidders already Registered with TPNODL**	**100**
A.1.	**No violation of statutory compliances in last 1 year.** Deduction of 2 marks for each instance of violation in last 1 year. **Safety** Deduction of 2 marks for each instance of safety violation in last 1 year. Deduction of 5 marks for each reported Non-Fatal Accident in last 1 year In case of any reported fatal accident: *ZERO MARKS*	20 20
A.2.	**Timely Execution of Contracts** Total Achieved Score = {30 – 3 x (Avg. percentage LD deductions in last 2 years)}	30
A.3.	**Legal Issues with TPNODL** Zero instances of Arbitration procedures / Court Cases / PBG forfeitures in last 2 years: 30 marks else 'Zero' marks	30

S. No.	Evaluation Parameter	Max. Score
B	**Bidders new to TPNODL**	**100**
B.1.	**Visits** Client Site Visit where the bidder is providing similar services. The visits as above shall be arranged by the bidder. However, all costs towards conveyance, lodging, boarding etc. shall be borne by TPNODL. The score assigned by TPNODL based on the above visits shall be final and binding on the bidder (Vendor Evaluation form attached as annex L). **Safety** Score achieved against BA Safety Management System Questionnaire	30 20
B.2.	**Client Referrals** At least 3 nos. Customer References for similar services in last 3 years. All customer references shall be either of the following: ▪ Govt. Organizations/ PSUs/ Power Distribution Utilities. ▪ Private Organizations with an annual turnover of >= 500 cr. PO copies or Completion Certificates will be admissible. Each reference: 10 marks	30
B.3.	**Blacklisting Information** Not blacklisted / debarred by any reputed organization/utility in last 2 years: 20 marks else 'Zero' marks	20

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

5.0 PRICES/RATES/TAXES

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

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

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

5.1 Changes in Statutory Tax Structure

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

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

6.0 TERMS OF PAYMENT

6.1 Pre-Requisites for Payment

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

6.2 Bills & Invoices

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

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

Bills/ invoices shall mention Associate's GST Registration Number, PAN number as applicable.

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

6.3 Payment & Statutory Deductions

Payment shall be released within 45 days from the submission of the bills. The associate shall submit "No Demand Certificate" in the format as per Annexure-D at the time of receipt of full and final payment. In case any non-compliance to contract conditions comes to TPNODL's notice, TPNODL will be entitled to deduct 30% of estimated wages plus 20% of wages as TPNODL's overheads. Associates would be obliged to provide the copy of monthly wage sheet in any case, failing which no payment shall be made. TPNODL at their sole discretion may deposit the PF etc. with statutory authorities. TPNODL will deduct the amounts of TDS as per statutory requirement under the income tax act and the DVAT Act and certificates (wherever applicable) will be issued to associate accordingly

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

6.3.1 Statutory Deductions

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

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

The Engineer-in-Charge as stated in the Order shall be responsible for certification of the work executed and the bills. Bills (including original) shall be submitted in triplicate at Bill Office of CFO, TPNODL located at TPNODL located at TPNODL Corporate Office, Januganj, District Balasore, Odisha, India – 756019.

6.4 Quantity Variation

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

6.5 Full and Final Payment

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

7.0 MODE OF PAYMENT

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

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

8.0 SECURITY CUM PERFORMANCE DEPOSIT

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

- 5% of the RC value as per prevailing Govt. Orders however same can be change or enhanced in case of any change in Govt. direction BA is supposed to be paid the difference of PBG amount as and when demanded by TPNODL. This shall remain valid till the Guarantee period plus one month.
- For PO/RC values less than Rs. 5 lacs, Associate may request for deduction of amount equivalent to SPBG value from their first invoice. Such amount shall be withheld by TPNODL while processing the invoice and shall be released after completion of Guarantee Period plus one month.
- For PO/RC values less than Rs. 3 lacs, the clause (8.0) for Security cum Performance Bank Guarantee (SPBG) shall not be applicable.
- In case of RC (Rate Contract) after the expiry of RC validity, Associate shall have to submit SPBG. However, the Associate has the option to re-submit the SPBG as per actual RO (Release Order) value issued against the RC, valid for Guarantee Period plus one month. The Guarantee Period shall be considered as per the last RO issued against the said RC. The original SPBG as submitted against the RC shall be released on submission of the new SPBG to TPNODL. Alternatively, Associate may extend the validity of original SPBG only till the requisite period, i.e. guarantee period plus one month.

9.0 STATUTORY COMPLIANCE

9.1 Compliance to Various Acts

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

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

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

9.2 SA 8000

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

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

9.3 Affirmative Action

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

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

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

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

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

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

- Proprietorship/ Single Ownership Firm: Proprietor of the firm should be from SC/ST community. Governing document shall be duly audited latest balance sheet bearing name of all the partners.
- Partnership Firm: Only such firms shall qualify which have SC/ST partners holding equal to or more than 50% of the total ownership pattern of the firm. Governing document shall

be Partnership Deed and duly audited latest balance sheet bearing name of all the partners.

- Private limited company: Only such firms shall qualify which have SC/ST directors holding equal to or more than 50% of the total ownership pattern of the firm. Governing document shall be Memorandum of Understanding (MoU) and/or Article of Association (AoA).

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

9.4 Compliance to Labour Laws

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

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

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

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

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

10.0 QUALITY

10.1 Knowledge of Requirements

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

10.2 Adherence to Rules & Regulations

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

10.3 Specifications and Standards

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

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

11.0 SAFETY

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

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

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

12.0 GUARANTEE

12.1 Guarantee of Performance

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

12.2 Guarantee Period

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

12.3 Failure in Guarantee Period (GP)

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

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

Any repairs during the Guarantee Period shall be carried out by the Associate within 30 days of reporting the issue to Associate by TPNODL. However, if replacement of the Equipment is required, Associate shall notify the same to TPNODL within 7 days of reporting the issue by

TPNODL. Thereafter, the total time for supply of new equipment/ material shall be equal to the original delivery period of that equipment/ material as specified in the Contract. In case the Associate is not able to rectify/ replace the faulty equipment/ material within the stipulated timelines as mentioned above, penalty shall be levied as per the Liquidated Damages clause mentioned in this document. The penalty amount shall be recovered from the payment due to the vendor or by encashment of the SPBG as the case may be.

12.4 Cost of repairs on failure in GP

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

12.5 Guarantee period for Goods Outsourced

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

12.6 Latent Defect

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

13.0 LIQUIDATED DAMAGES

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

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

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

   For the purpose of calculating and applying LD, each milestone shall be considered separately. For delay of each week and part thereof, from the execution of work schedule specified in the milestone, 1% of the contract value corresponding to the unexecuted work of the milestone, subject to a maximum of 10% of the total contract value of that

milestone shall be levied. However, if full contractual service/work rendered is not completed within 130% of contract time for execution, TPNODL has the right to levy LD on the entire contract value, subject to a maximum of 10% of the total contract value. Deduction of LD shall be on landed cost i.e. contract value inclusive of taxes and in pursuant statutory compliance GST would be applicable at the stipulated rate and the same shall be borne by Business Associate. In case of LD deduction, a GST invoice shall be issued by TPNODL as a proof of deduction/ recovery.

13.1 LD Waiver Request

Any request of LD waiver shall be submitted within thirty (30) days of deducting LD. Request submitted beyond the timeline shall not be entertained. The TPNODL management will review on the LD Waiver Request on the facts and will decide about the LD Waiver which may be part or the % of the LD imposed, however the TPNODL's management decision will be full and final.

13.2 Material Recovery

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

14.0 ASSIGNMENT OR SUBCONTRACTING

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

In such cases where outsourcing is done by the Associate

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

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

15.0 UNLAWFUL ACTIVITIES

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

16.0 CONFIDENTIALITY

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

16.1 Documents

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

16.2 Geographical Data

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

16.3 Associate's Processes

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

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

16.4 Exclusions

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

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

16.5 Violation

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

17.0 INTELLECTUAL PROPERTY RIGHTS

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

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

18.0 INDEMNITY

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

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

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

19.0 LIABILITY & LIMITATIONS

19.1 Liability

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

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

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

19.2 Limitation of Liability

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

20.0 FORCE MAJEURE

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

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

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

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

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

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

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

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

21.0 SUSPENSION Of CONTRACT

21.1 Suspension for Connivance

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

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

- Immediately discontinue further supply of material/goods specified in the suspension notice for supply contracts
- Immediately discontinue further service/work and supply of materials of those services/materials/work specified in the suspension notice for service /composite contract

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

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

21.2 Suspension for Breach of Contract conditions

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

21.3 Compensation in lieu of Suspension

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

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

22.0 TERMINATION OF CONTRACTS

22.1 Termination for Default/Breach of Contract

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

a. Withdrawal or intimation by the Associate of its intent to withdraw or surrender the execution / completion of the contracted work /PO or failure in ensuring adherence to any delivery schedules, in deviation of the contract/PO

b. Refusal or neglect on the part of the Associate to supply material/equipment of quantity or quality as specified by TPNODL and within the timeframe as specified in the contract document or refusal or neglect to execute the services/work in terms of the agreed standards of quantity or quality and/or within the timeframe specified in the contract/PO.

c. Failure in any respect to perform any portion of the Work contracted with promptness, diligence, or in accordance with the terms of the contract.

d. Failure to furnish guarantees as specified and /or failure to comply with the terms thereof.

e. Failure to furnish such relevant documents or information within the time specified which may be necessary for due execution / completion of the works and documentation.

f. Liquidation, bankruptcy either voluntary or involuntary OR entering into any composition or compromise with its creditors, or Insolvency.

g. In case any reasonable information has been received by TPNODL that Associate has adopted/ or attempted to adopt any unethical conduct, action in award of the contract /PO or at any time thereafter.

h. Failure to comply with applicable statutory provisions as contained in the contract or failure to comply with the applicable laws.

i. Failure to comply with safety regulations/clauses stipulated in the contract or as may be generally instructed by TPNODL.

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

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

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

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

a. Associate shall discontinue the supply, on the expiry of the said period of two weeks.

b. Associate shall ensure that no further steps are being taken towards discharge of the obligations, terms and conditions as contained in the contract/PO. This shall include initiation of actions not limited to discontinuation of other allied and associated arrangements which the associate might have entered into with third parties for due discharge of its obligations under the contract with TPNODL.

c. The Associate shall perform thereafter such tasks as may be necessary to preserve and protect the terminated portion of the material/service/work in progress and the materials and equipment at TPNODL sites or in transit thereto. However, the associate shall continue to fulfill its contractual obligations with regard to the part of contract not terminated.

d. It shall be open for TPNODL to conduct a joint assessment with the associate of the material ,supplies, equipment ,works or in general as to the subject matter of the contract in regard to which the associate claims having completed its obligations before or during such termination.

e. It shall be open to TPNODL to seek invocation of the performance bank guarantee or any other guarantee or other security deposit by whatever name called submitted by the associate, which shall not be objected to or protested against by the associate.

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

a. In case TPNODL exercises its right of termination as stated above the associate shall not dispute or object to the same.

b. The Associate shall be entitled to receive and claim only such payments OR sums of money from TPNODL as may be found payable to it in regard to works executed by it under the terms of the contract and no other claim of any nature whatsoever shall be made by the Associate.

c. All such provisions which the parties have agreed to survive and prevail even after termination of the contract shall remain effective despite the termination.

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

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

22.2 Termination for convenience of Associate

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

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

22.3 Termination for Convenience of TPNODL

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

23.0 DISPUTE RESOLUTION & ARBITRATION

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

24.0 Governing laws and jurisdiction

The parties shall be subject to the jurisdiction of the courts of law in Balasore & the writ jurisdiction of Hon'ble High Court of Odisha at Cuttack and any matter arising here from shall be subject to applicable law in force in India.

25.0 ATTRIBUTES OF GCC

25.1 Cancellation

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

25.2 Severability

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

25.3 Order of Priority

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

26.0 INSURANCE

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

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

27.0 ERRORS AND OMISSIONS

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

28.0 TRANSFER OF TITLES

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

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

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

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

29.0 SUGGESTIONS & FEEDBACK

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

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

30.0 CONTACT POINTS

In case Business Associate needs information with respect to payments or has any grievances, same may be lodged by log on to our website www.tpnodl.com.

31.0 LIST OF ANNEXURES

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

ANNEXURE-A

PROFORMA FOR BID SECURITY BANK GUARANTEE

TP Northern Odisha Distribution Limited

Balasore

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

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

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

The CONDITIONS of this obligation are**:**

i) If the Bidder withdraws his Bid during the period of bid validity specified in the Performa of Bid

Or

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

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

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

DATE…… **SIGNATURE OF THE BANK……..**

WITNESS…… **SEAL……..**

(Signature, Name & Address)

(At least 2 witnesses)

ANNEXURE- B

PROFORMA FOR PERFORMANCE BANK GUARANTEE (CP cum EP)

(On Rs.100/- Stamp Paper)

Note:

(a) Format shall be followed in Toto

(b) Claim period of one month must be kept up

(c) The guarantee to be accompanied by the covering letter from the bank confirming the signature to the guarantee

---

TP Northern Odisha Distribution Limited

Balasore **CP cum EP BG No……**

Order/Contract No……dated……

1. You have entered into a Contract No _____ with M/s._____ (hereinafter referred to as "the Vendor") for the supply cum erection / civil work of _____ (hereinafter referred to as" the said Equipment") for the price and on the terms and conditions contained in the said contract.
2. In accordance with the terms of the said contract, "the Vendor" agreed to furnish you with an irrevocable, unconditional and acceptable bank guarantee for 5% of the value of contract and to be valid till the end of Guarantee period plus one month towards "Contract cum Equipment performance". For this purpose, you have agreed to accept the guarantee.
3. In consideration thereof, we, _____ hereby irrevocably and unconditionally guarantee to pay to you on demand but in any case before the end of five working days from the date of the claim and without demur and without reference to "the Vendor" such amount or amounts not exceeding the sum of Rs._____ (Rupees _____ only) being _____% (_____ percent) of the total value of the contract on receipt of your intimating that "the Vendor" has not fulfilled his contractual obligations. You shall be the sole judge for such non-fulfilment and "the Vendor" shall have no right to question such judgment.
4. You shall have the right to file / make your claim on us under the guarantee for a **further period of one month** from the date of expiry.
5. This guarantee shall not be revoked without express consent and shall not be affected by your granting time or any other indulgence to "the Vendor", which shall include but not be limited to, postponement from time to time of the exercise the same in you or any right which you may have against "the Vendor" and to exercise the same in any covenant contained or implied in the said contract or any other course or remedy or security

available to you, and our Bank shall not be released from its obligations under this guarantee by your exercising any of your rights with reference to matters aforesaid or any of them or by reasons of any other act or forbearance or other acts of omission or commission on your part or any other indulgence shown by you or by any other matter or thing whatsoever which under the law would, but for this provision have the effect of relieving our bank from its obligation under this guarantee.

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

Dated at_____ this_____ day of _____ 200__

Witness

Bank's rubber stamp

1. _____ Banks full address

Designation of Signatory

2. _____ Bank official number

ANNEXURE-C

PROFORMA FOR "NO DEMAND CERTIFICATE" BY ASSOCIATE

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

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

(Certificate No. CCP/002)

Name of the Project

Order/ Contract No.

Dated

Name of the Associate

Scheme No. / Job No.

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

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

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

Dated **Signature**

Place **Name**

Designation

(Company Seal)

ANNEXURE – D

PROFORMA FOR "INDEMNIFICATION ON STATUTORY COMPLIANCES"

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

(Certificate No. CCP/001)

Name of the Project

Letter of Award / Contract No.

Dated

Name of the Associate

Scheme No. / Job No.

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

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

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

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

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

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

Dated **Signature**

Place **Name Designation**

(Company Seal)

ANNEXURE-E

PROFORMA FOR APPLICATION FOR ISSUANCE OF CONSOLIDATED TDS CERTIFICATE

To be printed on the letterhead

To,

TP Northern Odisha Distribution Limited,

Balasore

Sub: Application for issuance of Consolidated TDS Certificate for the FY _____

Dear Sir,

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

For and on behalf of

Signature

Name

Address

Contact No. (Land Line)

(Mobile)

PAN #

Assessing authority

ATTACH THE COPY OF PAN CARD

ANNEXURE - F

SERVICE LEVEL AGREEMENT

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

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

Shall Abide by TPNODL Core Values:

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

b) Understanding – We must be caring, show respect, compassion and humanity to our colleagues and customers and always work for the benefit of the communities we serve.

c) Excellence – We must constantly strive to achieve the highest possible standards in our day to day work and in the quality of services we provide.

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

e) Responsibility – We must continue to be responsible and sensitive to the communities and environments in which we work and always ensuring that what comes from the people; goes back to the people many times over.

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

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

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

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

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

a) No person below the age of 18 years and no child labour will be engaged directly or indirectly for executing the work connected with the business of TPNODL.

b) Minimum wages along with other statutory dues like PF, ESI, etc. as applicable to the workers shall be made within the prescribed period of 7th / 10th day of the following month.

c) Deduction / deposit / record keeping and all other requirements under Employees PF Act 1952, Employees State Insurance Act 1948 and other applicable acts (if any) shall be adhered to.

d) Only statutorily authorized deductions (if any) shall be made in accordance with the relevant statutes.

e) All the provisions of Contract Labour (R&A) Act 1970 shall be complied with in respect of the workers engaged for TPNODL work. The work will be commenced only after completing necessary formalities for obtaining Labour License (if applicable).

f) Necessary registers / records, filing of returns etc. shall be maintained for verification by Statutory / TPNODL authorities.

g) Payment of wages shall be made only in presence of and with certification of authorized representative of TPNODL or shall be made in the form of cheque / bank transfer to the employee.

h) During the period of contract, the Business Associate will arrange for deployment of his supervisor / manager for total supervision and control of the work and their manpower. All the activities related to their manpower e.g. attendance, leave, wage disbursement etc. will be done under the supervision & control of Business Associates, while adhering to the prescribed standard / norms of production / productivity & quality. During execution of the work, Business Associate shall engage only such qualified / skilled manpower as may be envisaged / required for ensuring level of production / service into the contract / work order.

i) Clearances as follows shall be obtained from IR & Welfare Group:

   a. Clearance for commencement (before start of the work).
   b. No Objection Certificate (after completion / before final settlement).
   c. Copies of PF / ESI Challans shall be deposited with IR & Welfare Group every month

j) The Business Associate shall indemnify TPNODL from any liabilities under applicable Labour Statutes.

k) The Business Associate shall ensure safety and health of his employees and shall also maintain hygienic working environment / condition in his area of work.

l) The Business Associate and his employee shall abide by Laws of Land and shall not violate any applicable provisions.

m) The Business Associate appreciates with and acquiesces to the right of TPNODL as principal employer to fulfil any of his legal obligations, if he fails to do so under applicable labour laws and deduct the same from his running bills / final payments / enchasing security deposit / Bank Guarantee as the case may be. If there is any further shortfall TPNODL has the right to recover the same from the Business Associate.

n) The Business Associate ensures that person employed by him adhere to the moral and legal conduct and shall not violate any standard conduct envisaged in the premise of TPNODL by all such as, Transparency, Safety, Discipline, Integrity etc. The Business Associate or his employees should refrain from corrupt practices, giving or taking bribe in connection with any TPNODL business.

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

a) Statutory Compliance being a professed value in TPNODL Code of Conduct, the concerned Engineer / Officer in charges are requested to adhere to the provisions and advise respective Business Associates in their domain to comply in letter and spirit.

b) Immediately after issuance of letter of intent, the authorized representative of the Business Associate will report to Corporate IR & Welfare group for completion of statutory requirements.

c) Normally, the work will be started only after 'Clearance for Commencement of Work (CCW) is issued by IR & W group to the Business associate. However, in exceptional exigencies in engineer I/c / Officer I/c may direct the Business Associate to start the work and inform IR & W group about the same. Statutory requirements in this case may be completed in parallel.

d) First monthly bill will be released only after producing CCW to the finance department. Similarly closure of work and final settlement will be affected after issuance of no objection certificate from IR & W group.

6.0 <u>Requirements for 'Clearance for Commencement of Work' (CCW):</u>

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

7.0 Requirements during execution of work:

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

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

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

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

Enclosure:

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

FORM (A)

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

A. Details of the Agency

1. Name of Agency :
2. Nature of work :
3. Local Address with Ph. No. :

   (With Father's name) :
4. Permanent Address (Full) :
5. PF code no. & Place :
6. ESI Code no. & Place :
7. Name and address of :

   Sub-contractor (if any)

B. Details of Work

8. Name of work (as specified in LOI/LOA) :
9. LOI/LOA Nos. & Dates :
10. Period of contract (Specify Dates) :

    [Including Extension period, if any] :
11. Work Area [Department / Location] :
12. Name / Cell no. of Officer I/c :
13. Maximum No. of workers and staff to be engaged on any day during the year.

- Supervisory Staff :
- Workers :

14. Do you have any other contract in TPNODL : Yes/No

If yes, furnish details:

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

Name of Insurance Company ……...

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

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

C. Details of workers to be engaged

No. of Workers

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

*** Number to be indicated**

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

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

Date:

(Signature of the Business Associate

or his Authorized Representative)

This Business Associate is / will be engaged in TPNODL.

(Signature and seal of

Officer I/c of the Work)

Form G

Undertaking

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

( )

_____

Date:

Form

Undertaking

With reference to the contract job awarded by M/s TP Northern Odisha Distribution Limited to M/s_____ vide work order No._____ dated_____

I _____on behalf of

M/s _____hereby undertake:

1. that the dues in respect of the workmen/ employee(s) engaged by us for the said contract, payable as per the provisions of relevant statute pertaining to
   i. wages/ salary
   ii. PF & ESI, Balasore Labour Fund
   iii. All other statutory obligation

   has been paid /settled in full and no amount/ compliance is due/ pending.

2. That in case any dispute / claim is raised by the concerned workers i.r.o. any dues / payments, M/s _____ will settle the same on its own and such liability will be borne by M/s _____

3. That M/s _____ hereby indemnify M/s TPNODL from any future liability i.r.o. any statutory obligation in respect of said contract.

Date:

_____

( )

Authorized Signatory

For M/s _____

FORM- VI A

Notice for Commencement /Completion of contract work

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

Signature of Contractor

With Office Seal

The Inspector

_____

_____

FORM XXIV

[See Rule 82(1)]

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

Half -Yearly Ending_____

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

Men	Women	Children	Total

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

Men	Women	Children	Total

9. Amount of wages paid

Men	Women	Children	Total

10. Amount of deductions from wages, if any

Men	Women	Children	Total

Whether the following have been provided –

(i) Canteen : _____

(ii) Rest rooms : _____

(iii) Drinking water : _____

(iv) Crèches : _____

(v) First Aid : _____

Signature of Contractor

Place _____

Date _____

ANNEXURE – G

UNDERTAKING FOR COMPETENCE OF WORKMEN

Name of Associate :

Tender No. :

Item :

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

Date:

_____

( )

Authorized Signatory

For M/s

Seal

ANNEXURE-H

BUSINESS ASSOCIATE FEEDBACK FORM

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

You are associated with us as

OEMs		Service Contractor		Material Contractor		Material & Manpower Supplier	

You are associated with us for

Less than 1 Year		More than 1 Year but less than 3 Years		More than 3 years	

Your office is located at

Balasore		Within 200 Kms from Balasore		More than 200 Kms from Balasore	

Your nearly turnover with TPNODL

Less than 25 Lacs		25 Lacs to 1 Crore		More than 1 Crore	

Additional information

Your Name	
Your Designation	
Your Organization	
Contact Nos.	
Email	

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

SECTION - A

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

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

S. No.	Parameters	1 Do Not Agree	2 Slightly in Agreement	3 In Fair Agreement	4 Mostly in Agreement	5 Fully Agree	Remarks/ Suggestion
9	TPNODL provide you all necessary infrastructure support for timely and quality completion of work (including AMC)						
10	TPNODL Engineer-in-Charge timely certifies the jobs executed/ material supplied						
11	TPNODL Engineer-in-Charge efficiently supervises the job execution for timely completion of job						
12	Are you satisfied with the overall payment release mechanism of TPNODL						
13	Our approach for Inspection and Quality Assurance effective to expedite project completion?						
14	TPNODL never defaults on contractual terms						
15	In TPNODL Contracts closure is done within set time limit						
16	Our material receiving procedures are well defined and efficiently deployed to reduce mutual inconvenience						
17	Bank Guarantees are released in time bound manner						
18	Our processes related to payment / account settlement are effective.						
19	You get payments on time						
20	TPNODL Employees follow Ethical behavior						

SECTION - B

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

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

SECTION – C

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

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

SECTION - D

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

1	2	3	4	5	6	7	8	9	10

SECTION – E

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

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

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

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

We thank you for your time and courtesy!!

ANNEXURE - I

ACCEPTANCE FORM FOR PARTICIPATION IN REVERSE AUCTION EVENT

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

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

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

1. TPNODL 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. TPNODL will make every effort to make the bid process transparent. However, the award decision by TPNODL would be final and binding on the supplier.
3. The bidder agrees to non-disclosure of trade information regarding the purchase, identity of TPNODL, 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 TPNODL.
6. In case of intranet medium, TPNODL shall provide the infrastructure to bidders. Further, TPNODL has sole discretion to extend or restart the auction event in case of any glitches in infrastructure observed which has restricted the bidders to submit the bids to ensure fair & transparent competitive bidding. In case an auction event is restarted, the best bid as already available in the system shall become the start price for the new auction.
7. In case the bidder fails to participate in the auction event due any reason whatsoever, it shall be presumed that the bidder has no further discounts to offer and the initial bid as submitted by the bidder as a part of the tender shall be considered as the bidder's final no regret offer. Any offline price bids received from a bidder in lieu of non-participation in the auction event shall be outrightly rejected by TPNODL.
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 TPNODL site.
10. The prices submitted by a bidder during the auction event shall be binding on the bidder.
11. No requests for time extension of the auction event shall be considered by TPNODL.
12. The original price bids of the bidders shall be reduced on pro-rata basis against each line item based on the final all inclusive prices offered during conclusion of the auction event for arriving at Contract amount.

Signature & Seal of the Bidder

ANNEXURE - J

To,

Drawing & Disbursing Officer

TP Northern Odisha Distribution Limited
Balasore

Sub: **e-Payments through National Electronic Fund Transfer (NEFT) OR Real Time Gross Settlement System (RTGS)**

Dear Sir,

We request and authorize you to affect e-payment through NEFT/RTGS to our Bank Account as per the details given below: -

Vendor Code	:	
Title of Account in the Bank	:	
Account Type	:	(Please mention here whether account is Savings/Current/Cash Credit)
Bank Account Number	:	
Name & Address of Bank	:	
Bank Contact Person's Names	:	
Bank Tele Numbers with STD Code	:	
Bank Branch MICR Code	:	(Please enclose a Xerox a copy of a cheque. This cheque should not be a payable at par cheque)
Bank Branch IFSC Code	:	(You can obtain this from branch where you have your account)

Email Address of accounts person (to send payment information) :

Name of the Authorized Signatory :

Contact Person's Name :

Official Correspondence Address :

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

Thanking you,

For _____

(Authorised Signatory)

(Signature with Rubber Stamp)

Certification from Bank:

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

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

(Manager's/ Officers Signature under Bank Stamp)

ANNEXURE - K

CONTRACTOR SAFETY MANAGEMENT SYSTEM

1. OBJECTIVE

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

2. SCOPE

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

Minor Contracts: Contracts which satisfy all the criteria listed under the head "Minor Contracts".

Major Contracts: Contracts which satisfy any two or more criteria listed under the head "Major Contracts"

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

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

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

3.1 Business Associate is required to fill the Safety Management System Questionnaire as per *annexure 1* and submit along with the vendor registration process / bid / tender document. The filled questionnaire will be scrutinized by Engineer In-charge / indenting group and recommend suitability of the BA with respect to safety requirements. The fulfilment of statutory requirements for vendor registration pertaining to labour laws etc. shall be done by BA Cell on being referred to it.

3.2 Business Associate is required to take suitable risk control measures mentioned against the identified Hazards and Risk document provided for all contracts as per *annexure 2*. The primary objective of this is to evaluate the understanding of the BA towards risk mitigation and employment of safe work procedures. BA is required to conduct the Hazard identification and Risk Assessment study as per the procedure and deploy more or other measures if deemed necessary.

3.3 Business Associate shall comply with **Statutory Requirements related to Safety and Occupational Health** and submit the "Safety Undertaking" as per *annexure 4.*

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

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

4.1 Maintenance of Distribution Network – *Annexure 3.1*
4.2 Distribution Projects – *Annexure 3.2*
4.3 EHV Projects – *Annexure 3.3*
4.4 Maintenance of Sub transmission network – *Annexure 3.4*
4.5 Civil / Generation Projects – *Annexure 3.5*
4.6 Meter Management Group (MMG), Revenue Recovery Group (RRG), Energy Auditing Group, AMI, MRG, etc. – *Annex3.6*
4.7 Maintenance and Operation of Street Light. **–** *Annexure 3.7*

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

(*Details as per Annexure attached)*

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

The Business Associate (BA) having major contract will appointing Safety supervisor, engineer / manager for the TPNODL work. The BA shall make all necessary arrangements for getting their workforce safety trained and competency checked from the Safety

Department of TPNODL before deployment in the field. BA Cell shall recommend the suitability after competency checked by Engineer In-charge and SAFETY group (or his representative) of TPNODL. After getting the clearance from DOSEC, BA cell and receiving temporary I-card issued by TPNODL, Business Associate shall commence the working.

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

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

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

5. QUALIFICATION AND EXPERIENCE OF THE SAFETY AND SITE PERSONNEL

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

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

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

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

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

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

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

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

5.5.1 Safety training of 2 hrs/employee/month and one day of safety induction training to all new employees joining the BA will be conducted by the BA as per Safety training modules of TPNODL.

5.5.2 Safety Talk / toolbox talk before start of shift to BA employees.

5.5.3 Ensuring the availability & proper usage of the standard safety equipment (PPE)

5.5.4 Periodic inspection of PPE to ensure their serviceability and maintaining the 10% buffer stock of standard PPEs.

5.5.5 Ensuring the adherence to standard operating procedures of TPNODL as mentioned in TPNODL Safety standard and O & M and concerned function's manual.

5.5.6 Safety inspections / audits as per the process of TPNODL

5.5.7 Working in close coordination Safety Group of TPNODL.

5.5.8 Reporting of unsafe acts, unsafe conditions, near miss, incident or accident to Engineer In-Charge and Safety Group of TPNODL immediately after its occurrence.

5.5.9 Regular HIRA at site and comply the control measures as stated in the detailed HIRA as per the *annexure 2*. Also, deployment of JSA based checklist shall be ensured.

5.5.10 Ensuring compliance with safety and other laws as may be applicable and providing for safety assurance.

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

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

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

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

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

List of Personal Protective Equipment (PPE) and Maintenance schedule: BA shall commence the project or any work only when the required PPE are made available to the team of employees involved in the work. Each PPE of BA shall be checked / inspected by the safety representative / supervisor at zone before the work start or as prescribed in the list. Safety representative shall regularly check the healthiness of each PPE allocated to lineman. Suitable record shall be maintained at zone. Defective PPE shall be immediately replaced or within 24 hours by the BA. In no case linemen or any other official of BA may be allowed to work with defective PPE. It is preferred that BA ensures minimum stock of each PPE at zone for immediate replacement with defective one. The PPE shall be IS / BS / CE marked and exactly as per the standard or specification mentioned in the *annexure 7*. Working without PPE / non-standard PPE shall be treated as safety violation and penalty as stated in section 6.0 of this document. If TPNODL finds that BA has not provided the adequate / appropriate PPE to their staff, TPNODL reserves the rights to stop the work and call the BA to provide appropriate PPEs at the risk. If the BA fails to provide the required PPEs at the risk then the same shall be provided by TPNODL at the actual cost of the PPE. The amount shall be

charged to BA and same shall be first recovered from the current bill of BA or any future payment to be made to BA. In the event of any balance amount still left for recovery, the same shall be adjusted against retention amount or by invoking bank guarantee submitted by BA.

5.8 Safety Audit / Inspection & HIRA: The BA shall get the required safety inspection / audit conducted by his technical team comprising of safety representative as per the *annexure 8*. The safety representative will be required to conduct the HIRA (Hazard Identification and Risk Assessment) *as per annexure 2* of the process and work undertaken at least two times in a year or every time if a new process / activity / machine is introduced or whenever an accident take place. The risk identified to be addressed suitably with –

- Engineering Control
- Management Control, and
- Personal Protective Equipment.

The safety representative of BA shall inform and educate for the identified risk and hazard control methods to employees, supervisor and engineer as well as the engineer in-charge and SAFETY group of TPNODL.

5.9 Safety Performance and Safety MIS: The BA shall maintain good practice of safety all through the contract duration. Safety shall always be of paramount importance during the contract period. Safety performance will be monitored on yearly basis throughout the period and no relaxation will be given for bad performance. BA with good track record and excellent performance will be rewarded suitably as per clause 6.0 of this document. The BA has to provide monthly "Performance Report – Safety" to engineer in-charge and SAFETY group TPNODL this shall be part of monthly bill along with training details. Performa of the report is enclosed as *annexure 9*.

5.10 Pre – Employment Medical Check-up and Fitness of employees engaged for the critical works: The BA shall submit the health fitness certificate for all those workers involved in climbing the pole or working at height for following diseases:

5.10.2 Epilepsy
5.10.3 Colour blindness
5.10.4 Deafness
5.10.5 Vertigo & height phobia

Every year BA will give an undertaking stating that all the employees are fit to work and have not developed aforesaid diseases. The Record of such medical check-ups shall be submitted to BA Cell before issue of temporary identity card. The records shall be maintained at BA Cell. All such medical check-ups shall be repeated once in a year for all workers involved in climbing the pole or working on electrical network.

6. REWARD AND PUNITIVE MEASURES

6.1 To support the enforcement of good SHE & DM practices by the Business Associate and to eliminate repeated or continuing safety violations, use of appropriate reward and punitive measures shall be made. Each unsafe act or violation of the safety guidelines as described in the Safety Manual of the TPNODL will be audit criteria of this system. Broadly the measures identified are following:

6.1.1 Working without PPE/ Safety Gadgets
6.1.2 Working without proper tools and tackles, barricading, Poor condition of Crane / Hydra / Vehicle, using without certification / Licence, Incompetent driver/ Helper
6.1.3 Working without creation of effective safety zone
6.1.4 Improper Supervision at worksite, Lineman/ Supervisor working without competency
6.1.5 Working without adherence to PTW process or authorization/ not adherence to SOPs / W.I. of TPNODL.
6.1.6 Improper Working at height equal to or above 1.8 mtrs without taking proper fall protection measures/ Poor condition of Ladder

6.2 Measures of Reward and Punitive Measures

The Engineer In-Charge, NSO, SC, ASOs, CSI / SIs and SHE &DM group will conduct the surprise audits of the work / project and if any non-conformance is found the same will be booked and entered in the format "Safety Violation Record" *annexure 10*. The flow of the information is given below:

Safety Violation Escalation & Monitoring process	
Action	**Responsibility**
Safety Violation form has been filled and counter foil sent to SAFETY team for information. The main form is to be given to BA supervisor / Engineer in-charge. *(Automatically generated if Site audit done through Mobile App.)*	Engineer In-charge/ NSO / SC / SAFETY Group /CSI/ ASO/ Any authorised TPNODL official.
↓	
Entry of the violation in the master record and sending the information to concerned Manager, HoG, HoD, Head and Chief (O &S). *(Automatically generated if Site audit done through Mobile App.)*.	SAFETY Group
↓	
Forwarding the information Centralized Account Payable (CAPS) for amount deduction from the current bill of the BA, *if any.*	Engineer In-charge
↓	
HoG (Safety – II) & HoG (Safety & Quality – Commercial) and CAPS to generate the MIS of the violations and the amount deducted.	SAFETY Group

↓	
The pool of the amount generated after the deduction to be utilized in safety welfare of BA employees.	SAFETY Group with approval of CFO/Chief (O & S) /CEO&MD

The safety violations have been rated from 1 to 5 (figure 6.3) as per the gravity of the violation. If the same violation is repeated it may escalate into a higher penalty. If a particular Business Associate employee violates safety norms three times, he shall not be allowed to work in TPNODL for a period of one year from the date of the 3rd violation.

6.3 Safety Violation Escalation Matrix

6.3.1

Consequence of Safety Violation Observed (Not related to Incident/ Accident)		Violation				
S.No.	Safety Violation	1st	2nd	3rd	4th	Subsequent Violations
1	Working without PPE (Helmet/Gloves/Safety Harness/ Safety Shoes etc.)	A	B	C	D	Will attract the same penality as applicable in the 4th violation.
2	Improper Working at Height	A	B	C	D	
3	Working without proper tools and tackles	A	B	C	D	
4	Poor condition of Crane/Hydra/ Vehicle/Incompetent driver/ Helper	A	B	C	D	
5	Violation of SOP/ WI	B	C	D	E	
6	Working without adherence to PTW process or authorization/ Safety Zone	C	D	E		

Legend	Action to be taken	Responsibility	Penality Amount (in Rs.)	
A	Warning letter	Engineer Incharge	Nil	The number of violations are to be calculated cumulatively over the contract period and not on monthly basis.
B	Levy of Penalty	Engineer Incharge	2,000	
C	Memo to BA & Levy of Penalty	Head of Group	4,000	
D	Memo to BA & Levy of Penalty	Head of Department	10,000	
E	Memo to BA, Levy of Penalty and termination of Contract	Head of Department	1,00,000	

Figure 6.3 (1a)-Penality Matrix for Safety violation (Applicable for Minor Contracts)

Consequence of Safety Violation Observed (Not related to Incident/ Accident)		Violation				
S.No.	Safety Violation	1st	2nd	3rd	4th	Subsequent Violations
1	Working without PPE (Helmet/Gloves/Safety Harness/ Safety Shoes etc.)	B	C	D	D	Will attract the same penality as applicable in the 4th violation.
2	Improper Working at Height	B	C	D	D	
3	Working without proper tools and tackles	A	B	C	D	
4	Poor condition of Crane/Hydra/ Vehicle/Incompetent driver/ Helper	B	C	D	E	
5	Violation of SOP/ WI	C	D	E		
6	Working without adherence to PTW process or authorization/ Safety Zone	C	D	E		

Legend	Action to be taken	Responsibility	Penality Amount (in Rs.)	
A	Levy of Penalty	Engineer Incharge	5,000	The number of violations are to be calculated cumulatively over the contract period and not on monthly basis.
B	Memo to BA & Levy of Penalty	Engineer Incharge	10,000	
C	Memo to BA & Levy of Penalty	Head of Group	25,000	
D	Memo to BA & Levy of Penalty	Head of Department	50,000	
E	Memo to BA, Levy of Penalty and termination of Contract	Head of Department	1,00,000	

Figure 6.3 (1b)-Penality Matrix for Safety violation (Applicable for Major Contracts)

Once the BA reaches the "BLACK" (color – "5") category, i.e. highest level of safety violation, "Termination" notice to BA will be issued from the office of the Head of Department (equivalent to Addl GM/ GM/ Sr. GM level) and further, *if required,* continuation / extension of contract will only be initiated by Functional Head of the department (equivalent to Sr. GM / VP level) and approved by CEO / MD. Till the extension, the contract will remain suspended.

TPNODL encourages the reportage of the safety violation during the contract work by BA. Any TPNODL employee can register a safety violation against the BA in the "Safety Violation Form" *annexure 10*. Initially the observer has to fill the form and handover the counterfoil (lower portion) of the document to the supervisor of the BA, inform the site engineer of TPNODL and send the top portion of the Safety Violation Form to SAFETY group for the further necessary action against the BA. ***The cumulative nos. of Safety Violations pertaining to any particular BA shall be calculated on yearly basis.***

Safety violations resulting in incident / accident will be treated as per gravity of the injury / fatality and its impact as well as type i.e. minor or Major. Consequences of incident / accident are shown in the matrix (figure 6.3(2) for major and 6.3(3) for minor) below. In case of any accident, findings and recommendations of Accident Enquiry Committee will be final and binding and will supersede the arbitration clause of GCC.

Consequence Of an Incident / Accident (In case of MAJOR contract)		Incident / Accident				Action Required
Sl. No	Type of the injury	1st	2nd	3rd	4th	
1	Slight injury (First Aid Case)	F (Strengthening of process through continuous improvement in the work procedure)				Take risk reduction measures
2	Minor injury (No or Hospitalization less then 48 Hrs)	F	G	G	H	
3	Major injury (Bone injury or burn or Hospitalization more then 48 Hrs)	G	G	H	I	
4	Single fatality	J	K			Intolerable
5	Multiple fatalities (Two or more fatalities during one event)	K				

Legend	Action to be taken	Responsibility	Penalty (in Rs.)	
F	Memo to BA and levy of penalty	Engineer Incharge	5,000/-	*The number of violations are to be calculated cumulatively over the contract period and not on monthly basis.*
G	Memo to BA and levy of penalty	Head of Group	20,000/-	
H	Memo to BA and levy of penalty	Head of Group	50,000/-	
I	Memo to BA and levy of penalty	Head of Department	2,00,000/-	
J	Memo to BA and levy of penalty	Head of Department	5,00,000/-.	
K	Memo to BA, levy of penalty, termination of contract and black listing of BA	Functional Head	10,00,000/-	

Figure 6.3 (2) - Penalty Matrix for Incident / Accident in Major Contracts

(*For example: In major contracts, if there is first incidence of major injury say bone injury (Cat. 3) where worker was hospitalized for more than 48 hrs then a penalty of amount Rs.20000/- will be deducted from the current bill produced for the payment. This penalty will be similar for first two incidents. However, it will increment to next higher category i.e. Rs. 50,000/- on subsequent incidents as per the above matrix)*

Consequence Of an Incident / Accident (In case of MINOR contract)		Incident / Accident				Action Required
Sl. No	Type of the injury	1st	2nd	3rd	4th	
1	Slight injury (First Aid Case)	L (Strengthening of process through continuous improvement in the work procedure)				Take risk reduction measures
2	Minor injury (No or Hospitalization less then 48 Hrs)	L	M	M	N	
3	Major injury (Bone injury or burn or Hospitalization more then 48 Hrs)	M	M	N	O	
4	Single fatality	P	Q			Intolerable
5	Multiple fatalities (Two or more fatalities during one event)	Q				

Legend	Action to be taken	Responsibility	Penalty (in Rs.)	
L	Memo to BA and levy of penalty	Engineer Incharge	5,000/-	*The number of violations are to be calculated cumulatively over the contract period and not on monthly basis.*
M	Memo to BA and levy of penalty	Engineer Incharge	10,000/-	
N	Memo to BA and levy of penalty	Head of Group	25,000/-	
O	Memo to BA and levy of penalty	Head of Department	1,00,000/-	
P	Memo to BA and levy of penalty	Head of Department	3,00,000/-.	
Q	Memo to BA, levy of penalty, termination of contract and black listing of the BA	Functional Head	5,00,000/-	

Figure 6.3 (3) - Penalty Matrix for Incident / Accident in Minor Contracts

(*For example: In minor contracts, if a worker meets with a non-fatal accident say bone injury (Cat. 3) where he was hospitalized for more than 48 hrs then a penalty of amount Rs. 10,000/-, will be charged from the current bill produced for the payment. This penalty will be similar for first two incidents. However, it will increment to next higher category i.e. Rs. 25,000/- on subsequent incidents as per the above matrix.)*

In case of single or multiple fatalities described under legends J&K of 6.3(2) and P&Q of 6.3(3), the concerned BA may be debarred from extension of contract or participate in new contract. In such event the approval of Chief (O & S) will be necessary for extension or award of new contract to concerned BA.

6.3.2 COMPENSATION FOR BA PERSONNEL

In the event of any untoward incident/ accident, the Business Associate shall ensure prompt medical assistance such as treatment, sickness benefit, etc. is provided to the victim(s) as per the Employees' Compensation Act, 1923 or Employees' State Insurance Act, 1948, as applicable. Also, the BA will be required to take adequate measures for compensating the victim(s) or his/her/their kin as follows:

I. <u>For Death or Permanent / Total Disablement</u>

The BA shall take an insurance coverage of at least Rs. 10 lakhs for each engaged employee, to cover any incidence of Death or Permanent / Total Disablement (Permanent/Total Disability shall be considered as defined under Employees' Compensation Act, 1923). In the event of any such unfortunate incident, the BA would ensure that adequate compensation is paid immediately to the family of the victim(s) from his own resources. This

compensation shall be covered under the insurance policy subscribed by the BA mentioned earlier and the arrangement should be such that it would get reimbursed to the BA by the insurance agency subsequently.

II. <u>For Permanent Partial Disablement and Temporary Total Disablement</u>

The compensation in this case will be as per provisions of the Employees' Compensation Act, 1923 or Employees' State Insurance Act, 1948, as applicable.

Accordingly, the BA shall obtain a suitable Insurance Policy on award of Contract and submit documentary evidence of the policy to the BA Cell before commencement of work. The BA shall ensure that the Insurance policy is active at all times and all employees are covered in all respects till the conclusion of contract period or till working with TPNODL. The BA shall submit a copy of the policy after periodic renewals to the BA Cell.

However, on occurrence of such unfortunate incident, if it is found that the victim(s) is/are not covered under any insurance policy, the BA shall be liable to pay the entire sum of Rs. 10 lakhs from his own resources.

Further, in case of an accident resulting in Death or Permanent / Total Disablement while on duty, the appointed BA Nodal Officer will ensure that the BA complies with all statutory provisions and benefits i.e. PF, Compensation, Gratuity etc., and that all these are made available to the employees' nominee(s) as per the stipulated timelines.

6.3.3 TPNODL rewards the BA with good track record of safety management. It is proposed that BA complying with Contractors Safety Management, Safety Manual and Safety process will be rewarded suitably as per the procedure, rule and regulations of the TPNODL. In any case major accident is reported during an assessment period BA will not be eligible for this reward scheme. Assessment of contracts will be once in year. Generally, the assessment cycle is calendar year and guidelines will be declared time to time.

Abbreviations Used in the Document

TPNODL	TP Northern Odisha Distribution Limited
BA	Business Associate
HIRA	Hazard Identification & Risk Assessment
JSA	Job Safety Analysis
EHV	Extra High Voltage
SAFETY	Safety, Occupation Health, Environment & Disaster Management
MMG	Meter Management Group
EAG	Energy Audit Group
PPE	Personal Protective Equipment
SOP	Standard Operating Procedures

CSI/SI	Circle Safety In-charge / Safety In-charge
ASO	Area Safety Officer
NSO	Nodal Safety Officer
SC	Safety Coordinator
HoG / HoD	Head of Group / Head of Department
AGM / GM / VP	Assistant General Manager / General Manager / Vice President
CFO / Chief (O & S)/ CEO & MD	Chief Finance Officer / Chief (Operating & Safety) / Chief Executive Officer & Managing Director
COS	Corporate Operation Services
CAP	Centralized Account Payable System
PTW	Permit To Work
GCC	General Conditions of Contract.

- END -

Annexure 1 (Refer Para 3.1)

Business Associate Safety Management System Questionnaire

	Certification			
	The information provided in this questionnaire is a summary of the company's occupational health and safety management system.			
	Company Name:			
Turnover and experience:			Name of top officer:	
Date:			Position	
	Contract Details			
Contract Name			Contract Number:	

Business Associates Safety Management System Questionnaire	Marks	Yes	No	Score achieved
Safety Policy and Management				
- **Is there a written company Safety policy?** - If yes provide a copy of the policy, if No please refer Note 1.	1			
- **Does the company have an Safety Management system** - If yes provide details, if No please refer Note 1.	1			
- **Is there a company Safety Management System manual or plan?** - If yes provide a copy of the content page(s), if No please refer Note 1.	2			
- **Are Safety and occupational health responsibilities clearly identified for all levels of Management and staff?** - If yes provide details, if No please refer Note 1.	2			
Safe Work Practices and Procedures				
- **Has the company prepared safe operating**	1			

	Certification				
procedures or specific safety instructions relevant to its operations and relevant work as per contract? - If yes provide a summary listing of procedures or instructions, if No please refer Note 2. - Comments					
- **Is there a register of injury or accident?** - If yes provide a copy (format)		1			
- **Is there a documented incident or accident investigation procedure?** - If yes provide a copy of a standard incident report form, if No please refer Note 2. - Comments		1			
Safety Training					
- **Describe how occupational health and safety training is conducted in your company** If No please refer Note 1.		2			
- **Is a record maintained of all training and induction programs undertaken for employees in your company?** - If yes provide examples of safety training records, if No please refer Note 2.		1			
- **Are regular safety inspections / audits are undertaken at worksites?** -If yes provide details (formats), if No please refer		1			

	Certification				
Note 3.					
- **Is there a procedure by which employees can report hazards at workplaces?** - If yes provide details if No please refer Note 1.		1			
Safety Monitoring					
- **Is there an officer / supervisor responsible for monitoring workplace / worksite safety?** - If yes provide details		1			
Safety Performance Monitoring					
- **Are employees regularly provided with information on company health and safety performance?** - If yes provide details		1			
- **Has the company ever been convicted of an occupational health and safety offence?** - If yes provide details		NO Marks *(Negative mark ONE for each case)*			
- Has there been any major accident of employee at TPNODL site in past		NO Marks *(Negative mark ONE for each case*			

	Certification			
- Has there been any fatal accident of employee at TPNODL site in past. - (Note: Bid evaluation committee has to take cognizance of the incident and shall evaluate the bid only after formal approval of competent authority i.e. CTO. - In case of yes please refer Note 4.	NO Mark (Negative mark FIVE for each case)			
Minimum of 75% marks is required for qualification.		Total Marks achieved		
Company Reference				
1. Name of company *2. Name of company*				

Note

1: If company does not have formal procedure on Safety Management System than vendor may submit proposed Safety road map along with safety action plan and brief safety policy on his letter head signed by head of the organization.

2: The vendor may submit the same in the Safety Action Plan.

3: The vendor may utilize the same format of TPNODL or on request SAFETY group will assist the vendor in developing the audit system. For other points also vendor may take the assistance of SAFETY group for development of Safety management system.

4: The vendor may submit the Safety Improvement Plan and Safety Action Plan for his employees based on following points.

i. Action plan for enhancing safety awareness
ii. Action plan for safety training of employee
iii. Action plan for increasing safety audit in field
iv. Action plan for provision and utilization of safety PPE.
v. Action plan for fatality reduction.
vi. Action plan for enhanced supervision at site
vii. Action plan for making employee more responsible and accountable for safety.
viii. Action plan for availability and utilization of all required tool and equipment.
ix. Safety Improvement done in last two years, specially highlighting those which have been taken after the fatal accident along with results.
x. Safety initiatives planed or started recently.
xi. Any other point.

Based on above points and documentary evidences vendor will be required to submit a detailed report in support of his bid. The bid evaluation committee and competent authority will scrutinize the facts and the evidence submitted. If found satisfactory competent authority i.e. CTO may accord his approval for bid opening otherwise his tender shall be disqualified.

Annexure 2 (Refer Para 3.2 and 5.8)

Risk Assessment Form

Business Associate:
Scope of the work:
BA's Representative:
Telephone:
Signature: Date:

Specific Task/Activity	Potential Hazards/Consequences	Class of Risk	Control Measures
Working at Height	Fall from height	2	1. Mandatory usage of JSA checklist prior to start of work 2. Use appropriate ladder 3. Use full body safety harness having double lanyard. 4. Use Electrical Safety Shoes if working on electrical network otherwise use safety shoes. 5. Use Safety helmet. 6. Use PPE as per the annexure 7 of this CSM document 7. Refer Work instruction related to Working at Height for other details 8. Use of metal scaffold to be ensured in height work (cup lock type) 9. Deploy competent workforce who are medically fit

Specific Task/Activity	Potential Hazards/Consequences	Class of Risk	Control Measures
Working on electrical equipment / network	Electric flash / electrocution	3	1. Mandatory usage of JSA checklist prior to start of work 2. Use Electrical Safety Shoes while working on electrical network. 3. Use Electrical Safety gloves of appropriate voltage rating. 4. Use face shield / visor attached with helmet. 5. Use Safety helmet. 6. Use PPE as per the annexure 7 of this CSM document 7. Mandatory usage of Insulated tools & tackles on electrical system 8. Mandatory compliance for Lock Out & Tag out system. Refer Work instruction related to Working on electrical equipment / network for other details
Excavation / Civil work	Collapse of soil, fall in excavated pit leading to Injury	2	1. Use safety shoes. 2. Use Safety helmet. 3. Use PPE as per the annexure 7 of this CSM document 4. Hard Barricading of the worksite. 5. Refer Work instruction related to excavation / civil work for other details
Material lifting & Mechanical Erection work	Fall of material/object, Topple of crane,	2	1. Mandatory compliance of crane checklist 2. Visual condition check of lifting tools and tackles such as wire rope sling, belt sling, chain, pulley block, D-shackles, etc. shall be ensured. 3. The operator's physical fitness and alertness should be judged by sup. / EIC. 4. Use PPE as per the annexure 7 of this CSM document 5. Refer Work instruction related to Material lifting & Mechanical Erection work

Specific Task/Activity	Potential Hazards/Consequences	Class of Risk	Control Measures
Road Safety	Road Accidents	3	1. Mandatory compliance of TPNODL Road Safety policy
Note: This information for the general indication purpose. The detailed risk assessment shall be conducted before start of the work by the authorized representative of the BA. The report of same shall be submitted to engineer in-charge along with annexure 4 of the CSM document.			

Guidelines for filling the Risk Assessment Form

- *Specific Task/Activity* - The documentation of each major task associated with the contract.
- *Potential Hazards* - The identification of hazards associated with each activity or task to be carried out.
- *Class of Risk* - Each hazard should be evaluated as a level of risk, described as Risk Class 1, 2 or 3 defined above.
- *Control Measure* - The identification and documentation of actions required to eliminate or reduce the hazards that could lead to accident or injury.

Hazard / Risks shall be classified according to the following schedule:

- Class 1: Potential to cause injury treatable with first aid
- Class 2: Potential to cause death or permanent injury
- Class 3: Potential to cause more than one or more lost time injuries.

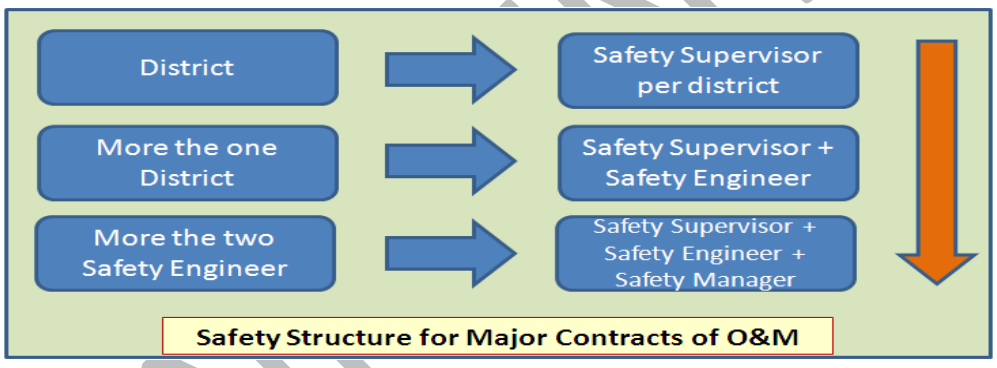
Annexure 3.1 *(Refer Para 4.0)*

General Safety Conditions for the Maintenance of Distribution Network Contracts:

A BA awarded a contract (O&M) work of maintenance of distribution network will be required to fulfil the following conditions:

- BA shall provide Safety Policy and safety objectives of their company.
- BA shall comply with all statutory requirements like: applicable acts, regulations, codes of practice, OHSAS Standards, etc.
- BA shall provide the filled safety management questionnaire as per Annexure 1
- BA shall conduct a job risk assessment and provide information as per Annexure 2
- BA shall abide by Safety manuals, guidelines of TPNODL.
- BA shall provide its organisation structure & responsibilities in terms of Safety Management to TPNODL.
- BA shall document the work practices and procedures in terms of Safety Management.
- BA shall ensure safety training and induction program for the employees

- BA shall conduct safety audits & inspections as per TPNODL procedures provided by SAFETY group.
- BA shall provide and ensure the proper usage of the safety equipment (PPE) as per the TPNODL approved list in *annexure 7.*
- BA shall ensure periodic inspection of PPE to ensure its serviceability as per the specification given by TPNODL.
- BA shall ensure the adherence to standard operating procedures or guidelines laid down by TPNODL.
- BA shall ensure reporting of any unsafe act, unsafe conditions, near miss, incident or accident to engineer in-charge and SAFETY team of TPNODL.
- BA shall provide safety performance and Safety MIS (*annexure 9)* to engineer in-charge and SAFETY group periodically. Based on any non-confirmation to the safety procedures and guidelines, BA is liable to be negatively marked for his performance and suitable penalty will be imposed.
- BA shall ensure to depute a Safety Supervisor for managing a complete safety management system in a district. In case the BA has been awarded work in more than one district, then the following safety structure will be adopted.



Annexure 3.2 ***(Refer Para 4.0)***

General Safety Conditions for the Distribution Projects Major Contracts:

A BA awarded a major contract work of TS&P in area of a circle will be required to fulfil the following conditions:

- BA shall provide Safety Policy and safety objectives of their company.
- BA shall comply with all statutory requirements like applicable acts, regulations, codes of practice, OHSAS Standards, etc.
- BA shall provide the filled safety management questionnaire as per Annexure 1.
- BA shall conduct a job risk assessment and provide information as per Annexure 2
- BA shall abide by Safety manuals, guidelines of TPNODL.
- BA shall provide its organisation structure & responsibilities in terms of Safety Management to TPNODL.
- BA shall document the work practices and procedures in terms of Safety Management.

- BA shall ensure safety training and induction program for the employees
- BA shall conduct safety audits & inspections as per TPNODL procedures provided by SAFETY group.
- BA shall provide and ensure the proper usage of the safety equipment (PPE) as per the TPNODL approved list in annexure 7.
- BA shall ensure periodic inspection of PPE to ensure its serviceability as per the specification given by TPNODL.
- BA shall ensure the adherence to standard operating procedures or guidelines laid down by TPNODL.
- BA shall ensure reporting of any unsafe act, unsafe conditions, near miss, incident or accident to engineer in-charge and SAFETY team of TPNODL.
- BA shall provide safety performance and Safety MIS (*annexure 9)* to engineer in-charge and SAFETY group periodically. Based on any non-confirmation to the safety procedures and guidelines, BA is liable to be negatively marked for his performance and suitable penalty will be imposed.
- BA shall ensure to depute a Safety Supervisor for managing a complete safety management system in the area. In case the BA has been awarded work in more than one circle, then the following safety structure will be adopted.

Annexure 3.3 *(Refer Para 4.0)*

General Safety Conditions for the major EHV Projects Contracts:

A BA awarded a major contract work of EHV projects will be required to fulfil the following conditions:

- BA shall provide Safety Policy and safety objectives of their company.
- BA shall comply with all statutory requirements like: applicable acts, regulations, codes of practice, OHSAS Standards, etc.
- BA shall provide the filled safety management questionnaire as per Annexure 1
- BA shall conduct a job risk assessment and provide information as per Annexure 2
- BA shall abide by Safety manuals, guidelines of TPNODL.
- BA shall provide its organisation structure & responsibilities in terms of Safety Management to TPNODL.

- BA shall document the work practices and procedures in terms of Safety Management.
- BA shall ensure safety training and induction program for the employees
- BA shall conduct safety audits & inspections as per TPNODL procedures provided by SAFETY group.
- BA shall provide and ensure the proper usage of the safety equipment (PPE) as per the TPNODL approved list in annexure 7.
- BA shall ensure periodic inspection of PPE to ensure its serviceability as per the specification given by TPNODL.
- BA shall ensure the adherence to standard operating procedures or guidelines laid down by TPNODL.
- BA shall ensure reporting of any unsafe act, unsafe conditions, near miss, incident or accident to engineer in-charge and SAFETY team of TPNODL.
- BA shall provide safety performance and Safety MIS (*annexure 9)* to engineer in-charge and SAFETY group periodically. Based on any non-confirmation to the safety procedures and guidelines, BA is liable to be negatively marked for his performance and suitable penalty will be imposed.
- BA shall ensure to depute a Safety Supervisor for managing a complete safety management system in the area. In case the BA has been awarded work in more than one circle, then the following safety structure will be adopted.
- BA shall refer Construction Safety Manual in TPNODL Safety Manual for details.

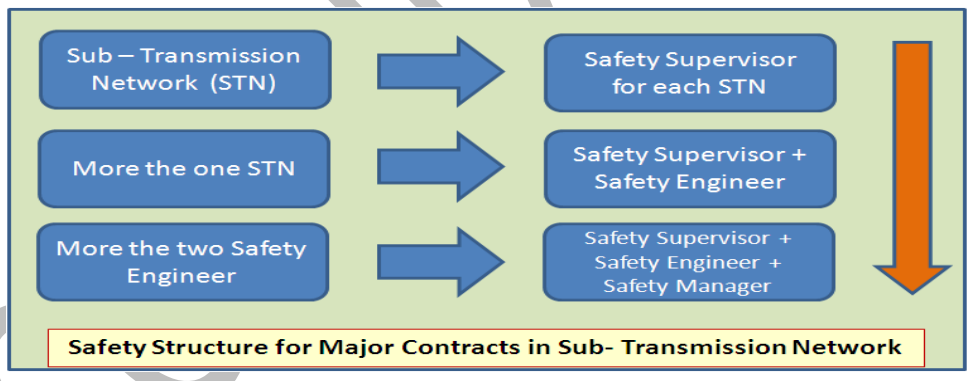
Annexure 3.4 *(Refer Para 4.0)*

General Safety Conditions for the Maintenance of Sub – Transmission Network Contracts:

A BA awarded a major contract work of maintenance of sub – transmission network in area of a power system will be required to fulfil the following conditions:

- BA shall provide Safety Policy and safety objectives of their company.
- BA shall comply with all statutory requirements like: applicable acts, regulations, codes of practice, OHSAS Standards, etc.
- BA shall provide the filled safety management questionnaire as per Annexure 1
- BA shall conduct a job risk assessment and provide information as per Annexure 2

- BA shall abide by Safety manuals, guidelines of TPNODL.
- BA shall provide its organisation structure & responsibilities in terms of Safety Management to TPNODL.
- BA shall document the work practices and procedures in terms of Safety Management.
- BA shall ensure safety training and induction program for the employees
- BA shall conduct safety audits & inspections as per TPNODL procedures provided by SAFETY group.
- BA shall provide and ensure the proper usage of the safety equipment (PPE) as per the TPNODL approved list in annexure 7.
- BA shall ensure periodic inspection of PPE to ensure its serviceability as per the specification given by TPNODL.
- BA shall ensure the adherence to standard operating procedures or guidelines laid down by TPNODL.
- BA shall ensure reporting of any unsafe act, unsafe conditions, near miss, incident or accident to engineer in-charge and SAFETY team of TPNODL.
- BA shall provide safety performance and Safety MIS (*annexure 9)* to engineer in-charge and SAFETY group periodically. Based on any non-confirmation to the safety procedures and guidelines, BA is liable to be negatively marked for his performance and suitable penalty will be imposed.
- BA shall ensure to depute a Safety Coordinator for managing a complete safety management system in the area. In case the BA has been awarded work in more than one area power system, then the following safety structure will be adopted.



Annexure 3.5 ***(Refer Para 4.0)***

General Safety Conditions for the major contract work in Civil / Generation Projects:

A BA awarded a major contract work of / in civil or Generation project will be required to fulfil the following safety conditions:

- BA shall provide Safety Policy and safety objectives of their company.
- BA shall comply with all statutory requirements like: applicable acts, regulations, codes of practice, OHSAS Standards, etc.
- BA shall provide the filled safety management questionnaire as per Annexure 1

- BA shall conduct a job risk assessment and provide information as per Annexure 2
- BA shall abide by Safety manuals, guidelines of TPNODL.
- BA shall provide its organisation structure & responsibilities in terms of Safety Management to TPNODL.
- BA shall document the work practices and procedures in terms of Safety Management.
- BA shall ensure safety training and induction program for the employees
- BA shall conduct safety audits & inspections as per TPNODL procedures provided by SAFETY group.
- BA shall provide and ensure the proper usage of the safety equipment (PPE) as per the TPNODL approved list in annexure 7.
- BA shall ensure periodic inspection of PPE to ensure its serviceability as per the specification given by TPNODL.
- BA shall ensure the adherence to standard operating procedures or guidelines laid down by TPNODL.
- BA shall ensure reporting of any unsafe act, unsafe conditions, near miss, incident or accident to engineer in-charge and SAFETY team of TPNODL.
- BA shall provide safety performance and Safety MIS (*annexure 9)* to engineer in-charge and SAFETY group periodically. Based on any non-confirmation to the safety procedures and guidelines, BA is liable to be negatively marked for his performance and suitable penalty will be imposed.
- BA shall ensure to depute a Safety Supervisor (for workforce up to 100 at site) / a safety engineer (for workforce up to 250 at site) / safety manager (for more than two safety engineers) for managing a complete safety management system at the project site. In case the BA has been awarded more than one major contracts, then the following safety structure will be adopted.
- BA shall refer Construction Safety Manual in TPNODL Safety Manual for details.

Annexure 3.6 ***(Refer Para 4.0)***

<u>General Safety Conditions for the major contract work in Commercial Department like – Meter Reading, Billing, Collection, Disconnection, MMG, RRG, EAG, etc.:</u>

A BA awarded a major contract work in meter management group & energy auditing group will be required to fulfil the following safety conditions:

- BA shall provide Safety Policy and safety objectives of their company.
- BA shall comply with all statutory requirements like applicable acts, regulations, codes of practice, OHSAS Standards, etc.
- BA shall provide the filled safety management questionnaire as per Annexure 1
- BA shall conduct a job risk assessment and provide information as per Annexure 2
- BA shall abide by Safety manuals, guidelines of TPNODL.
- BA shall provide its organisation structure & responsibilities in terms of Safety Management to TPNODL.
- BA shall document the work practices and procedures in terms of Safety Management.
- BA shall ensure safety training and induction program for the employees
- BA shall conduct safety audits & inspections as per TPNODL procedures provided by SAFETY group.
- BA shall provide and ensure the proper usage of the safety equipment (PPE) as per the TPNODL approved list in annexure 7.
- BA shall ensure periodic inspection of PPE to ensure its serviceability as per the specification given by TPNODL.
- BA shall ensure the adherence to standard operating procedures or guidelines laid down by TPNODL.
- BA shall ensure reporting of any unsafe act, unsafe conditions, near miss, incident or accident to engineer in-charge and SAFETY team of TPNODL.
- BA shall provide safety performance and Safety MIS (*annexure 9)* to engineer in-charge and SAFETY group periodically. Based on any non-confirmation to the safety procedures and guidelines, BA is liable to be negatively marked for his performance and suitable penalty will be imposed.
- BA shall ensure to depute a Safety Supervisor for managing a complete safety management system for the work as per the following safety structure.
- The BA for the RRG work shall depute one Safety supervisor.

Safety Structure for Major Contracts in Commercial Deptt. like - MMG, RRG, EAG, etc.

Annexure 3.7 *(Refer Para 4.0)*

General Safety Conditions for the major contract work in O&M of street light group:

A BA awarded a major contract work in operation and maintenance of street light group will be required to fulfil the following safety conditions:

- BA shall provide Safety Policy and safety objectives of their company.
- BA shall comply with all statutory requirements like applicable acts, regulations, codes of practice, OHSAS Standards, etc.
- BA shall provide the filled safety management questionnaire as per Annexure 1
- BA shall conduct a job risk assessment and provide information as per Annexure 2
- BA shall abide by Safety manuals, guidelines of TPNODL.
- BA shall provide its organisation structure & responsibilities in terms of Safety Management to TPNODL.
- BA shall document the work practices and procedures in terms of Safety Management.
- BA shall ensure safety training and induction program for the employees
- BA shall conduct safety audits & inspections as per TPNODL procedures provided by SAFETY group.
- BA shall provide and ensure the proper usage of the safety equipment PPE as per the TPNODL approved list in annexure 7.
- BA shall ensure periodic inspection of PPE to ensure its serviceability as per the specification given by TPNODL.
- BA shall ensure the adherence to standard operating procedures or guidelines laid down by TPNODL.
- BA shall ensure reporting of any unsafe act, unsafe conditions, near miss, incident or accident to engineer in-charge and SAFETY team of TPNODL.
- BA shall provide safety performance and Safety MIS (*annexure 9)* to engineer in-charge and SAFETY group periodically. Based on any non-confirmation to the safety procedures and guidelines, BA is liable to be negatively marked for his performance and suitable penalty will be imposed.
- Each BA shall ensure to depute a Safety Supervisor for managing a complete safety management system for the work awarded as per the below structure.

Annexure 4 *(Refer Para 3.3)*

Safety Undertaking by way of Affidavit

I_____ s/o_____R/o_____ (AUTHORIZED REPRESENTATIVE/PARTNER/DIRECTOR/PROPRIETOR) of M/S _____(name of company/firm)__ having its office at (Complete address of Company), authorized vide power of attorney dated ------/Board resolution dated----/letter of authority dated----, hereinafter referred to as **Contractor [or Business Associate (BA)]** which expression shall, unless it be repugnant to or inconsistent with the meaning or context thereof, be deemed to include its heirs, executors, administrators, and assigns do hereby affirm and undertake as under :

1. The present undertaking shall remain in force from the date of execution of contract awarded by TPNODL and shall be valid till the date of termination of the said contract by either parties. The undertaking is binding on me (contractor) as well as my sub-contractor and its employees, representatives etc.
2. That I(the contractor) will be responsible and liable to comply and abide by all the safety rules, instructions and regulations as may be specified and laid down by TP Northern Odisha Distribution Limited (TPNODL) so as enable TPNODL to achieve its goal of Zero On site incidences.
3. That the Contractor shall be fully responsible for ensuring occupational health and safety of its employees, representatives, agents as well as of its subcontractor's employees, at all times during the discharge of their respective obligations under the contract including any methods adopted for performance of their tasks / work.
4. That Contractor shall ensure ,at its own expense to arrange for and procure, implement all requisite accident prevention tools, first aid boxes, personal protective equipment, fire extinguisher, safety training, Material Safety Data Sheet, pre-employment medical test, etc. for operations & activities including as & when so specified by TPNODL specifically. , failing which TPNODL shall be entitled, but not obliged, to provide the same and recover the actual cost thereof from the Contractor's payments.
5. That the Contractor shall engage adequate and competent Safety – Supervisor / Engineer / Manager / Skilled persons at site as per the Para 5 (Qualification and experience of safety personnel) and Annexure 3 of Contract Safety Management.

6. That the Contractor shall engage the competent Site – Supervisor with each group of workers for safe and correct workmanship, proper co-ordination of material and site work as per contract.
7. That the Contractor shall immediately replace supervisor in case it is found to be not up to the level of skill and experience required as in skill and experience required in *annexure 5* of this document, but any such replacement shall be only with the prior concurrence of TPNODL .
8. That the Contractor and its subcontractors shall abide by all the safety guidelines as per Safety Manual, Contract Safety Management and other guidelines issued from time to time by TPNODL during the contract period.
9. That in case the Contractor and/or any of its Subcontractor fail to ensure the compliance as required in terms of this undertaking the Contractor shall keep and hold TPNODL / its directors / officers / employees indemnified against any / all losses / damage / expense / liability / fines / compensation / claims / action / prosecutions or the like which might be suffered by TPNODL or to which TPNODL might get exposed to as a result of any breach /wilful negligence /deliberate default on the part of the Contractor /Subcontractor in complying with the same. Contractor shall also furnish any press release, clarification etc. if sought by TPNODL for any near miss or safety violations, accidents, which are attributable to fault of Contractor.

DEPONENT

VERIFICATION

Verified at Balasore on this _Day of _____20__ that the contents of the above affidavit are true and correct and nothing material has been concealed therefrom

DEPONENT

Annexure 5 *(Refer Para 5.4)*

SKILL / QUALIFICATION REQUIRED FOR ELECTRICIAN AND ELECTRICAL SUPERVISOR

Skill / Qualifications Required for Electrician *(Certificate of Competency Class-II)*:

1. Formal education in ITI – Wireman/ Electrician trade.

   OR

2. Working experience of minimum three years of practical wiring.

   OR

3. Have completed three years apprenticeship course through Apprenticeship Advisor, Govt. of NCT of Odisha / other state Govt. in the trade of Lineman / Wireman / Electrician.
4. A candidate must have attained the age of Eighteen years.

Skill / Qualifications Required for Electrical Supervisor (*Certificate of Competency Class-I)*:

1. Have at least five years' experience of practical wiring after passing the certificate of competency class-II i.e. electrician.

   OR

2. Recognized Degree or Diploma or equivalent qualification in Electrical Engineering from any Technical institute / College or University recognized by the Board.

   AND

   Must have completed the training/job in rectifying the common defects in electrical line and power installation for a period of one and three years after passing Degree or Diploma respectively

   OR

3. Possessing the valid certificate of certificate of competency class – 1 (Electrical Supervisor)

Annexure 6 (*Refer Para 5.6)*

Training Module for BAs Worker & Supervisor

Training for BA Supervisor **Duration – 02 Hrs / Month**

Methodology: **Lecture and Practical Demonstration of Safety Zone Creation**

Session: 1

Topic: **Electrical Safety Aspects**

Sub Topics:

1. Learning specifics of HT & LT Network of zone
2. Major type of HT / LT / service lines / street light maintenance works
3. Understanding the need of Safety
4. Understanding the safe process of maintenance:
    - Planning of the maintenance job
    - Availability of men, material & machine, PPEs, Safety gear and approved PTW
    - Briefing of the job by the supervisor of the TPNODL
    - Identification of Risks associated with the maintenance work and planning for controlling measures by TPNODL supervisor
    - Creation of safety zone by TPNODL supervisor and satisfying that the network is dead – Use of Neon Tester, Shorting Chain and Safety Tagging
    - Start of the work – Right person for the right job
    - Alert supervision
    - Completion of the job – Check points
    - Energization of network
    - Actions to be taken in case of some accident

Session: 2

Topic: **Use of Electrical Testing Equipment**

Methodology: **Lecture and Practical Demonstration**

Sub Topics:

1. Meggar, Hi Pot, Clamp On Meter, Neon Tester, Discharge Rod, Line tester etc.

Session: 3

Topic: **Awareness of Electrical Safety Aspects**

A. Understanding the need of this Training and Safety
B. Learning specifics of HT & LT Network
C. Major type of work to be carried out in zones
D. Switching Operations (Do's & Don'ts) including Street Light Switching
E. Working on Height *(practical demo also)*
F. Understanding the Safe Process of Maintenance / Working:
    - Planning of the job
    - Availability of men, material & machine, PPEs, Safety gear and approved PTW

- Briefing of the job by the supervisor
- Permit to Work
- Safety Tagging and Lock Out Tag out
- Identification of Risks associated with the work to be carried out and planning for controlling measures by proper supervision
- Concept of "***Safety Zone***"
- Identification and use of Neon Tester, Shorting Chain, Clamp On Meter, Hi Pot, Meggar etc.
- Completion of the job – Check points
- Accident Theory & Incident Reporting
- Actions to be taken in case of some accident

Session: 4

Topic: Identification, Demonstration and Usages of Tools, PPEs and other Safety Gears and demonstration of working on HT pole

Session: 5

Topic: Practical demonstration of Safety Zone creation

FREQUENCY

Regular Safety Training Program

- It will be conducted for all field & supervisor staff of BA in such a manner that all BA Personnel attend at least two hours safety training during every month.

One Day Induction Safety Training Programs:

- This training will be for the new BA's personnel, who have been cleared by the Cross Functional Panel to undergo Safety training and who are likely to be deployed at various work sites of TPNODL by the BA, as a part of AMC / Work Contract.

Duration / Periodicity:

- Duration and periodicity has been defined above. However, this is subject to change at the discretion of TPNODL.

Annexure 7 *(Refer Para 5.7)*

LIST OF PERSONAL PROTECTIVE EQUIPMENT AND TESTING FREQUENCY

Sl. No.	Name of PPE	IS / EN Standard	Testing Frequency	Remarks	Ref Brand & Model
01	Leather Safety Shoes (Color – Black) with PU toe cap.	IS:15298 (Part-2)	Monthly and visual check every day for any crack or damage in the leather or sole.		BATA (Model No.- Endura L/C) Liberty (Model No. – 7198-01 HT Barton Black – Warrior)
02	HDPE Safety helmet with chin strap and ratchet type for adjustment.	IS:2925-1984	Monthly and visual check every day for any crack in shell.		Karam (PN Safetech) Joseph Leslie Accent Industries Honeywell
03	Full body harness (Safety belt)	EN 361	Monthly and visual check every day of the bends and the harness.		Karam (PN Safetech) Joseph Leslie Accent Industries
04	Electrical Safety Gloves	EN: 60903 CE marked	Weekly and visual check for any crack and blow test before every work.	Manufactured not beyond 12 months.	Make Sparian / Sumitech / CATU supplied with inner cotton glove with over glove of split leather.
05	Full face visor with safety helmet	EN: 166 CE marked (Visor)	Monthly and visual check every day for any crack in shell.	Clear acrylic visor attached with safety helmet.	Karam (PN Safetech) Joseph Leslie Accent Industries Honeywell
06	Fireproof jacket for chest protection		Monthly and visual check every day.		
07	Safety Chain for shorting cum earthing.	As per TPNODL standard	Weekly and visual check before every work.	Made of brass, Total length – 5.5 meters and made of 12 SWG.	

Note:

1. *Any other Personal Protection Equipment required beyond above list will be according to BIS or EN Standards.*
2. *All Personal Protection Equipment will be checked by the engineer in-charge or SAFETY group of TPNODL.*
3. *Safety Representative of the BA has to maintain the record of the availability, condition and checking of the PPEs.*
4. *All tools required as per the contract must be according to respective IS / EN standards.*
5. *TPNODL may revise or add the above list of PPE and their specifications as and when feel necessary. The information about new specifications /models will be circulated by the Engineer In-charge (EIC), which shall adhere by the business associated in the shortest possible time. The EIC shall issue a memo / instruction to BA with timeline for implementation. Any delay will be treated as non- compliance / safety violations. Refer picture of each PPE given in next page.*

Pictures of PPE for reference purpose.

Sl. No.	Name of PPE	IS / EN Standard	Picture
01	Leather Safety Shoes (Colour – Black) with PU toe cap.	IS: 15298(Part-2) and with test report of electrical resistance.	
02	HDPE Safety helmet with chin strap and ratchet type for adjustment.	IS:2925-1984	
03	Full body harness (Safety belt) The straps at shoulder and thigh shall have full pad for comfort. The back shall be so designed that harness straps	EN 361:2002 EN 358 : 2000 IS: 3521:1991/2002	

	do not tangle with each other.		
04	Electrical Safety Gloves – Composite type Soft electrical gloves as per size of individual.	EN: 60903 CE marked	
05	Full face visor with safety helmet	EN: 166 CE marked (Visor)	
06	Fireproof jacket for chest protection		
07	Safety Chain for shorting cum earthing.	As per TPNODL standard	
08	Reflective jacket to each workman	As per TPNODL standard	

Note : Picture shown are for indicative purpose only. Actual product may differ.

Audits	Responsibility	Freq.	Ref. Doc.
Permit to Work & Field Audit	BA Safety Representative	Weekly	F04 (COR P - 12)
Tool Bag & PPE's Audit		Weekly	F06 (COR P - 12)
First Aid Box Maintenance Record		Fortnightly	F08 (COR P - 12)
Fire Extinguisher Record ***(Applicable for the BA involved in major construction works and have storage of flammable material at worksite)***		Monthly	F09 (COR P - 12)
Safety Talk Register		Weekly	F18 (COR P - 12)
Site Safety Audit		Daily	F29A (COR P - 12)

Annexure 8 *(Refer Para 5.8)* LIST OF AUDITS TO BE CONDUCTED

Note:

1. *(BA Safety Representative has to use the formats as per Safety process COR – P – 12 of TPNODL)*

Annexure 9 (*Refer Para 5.9)*

PERFORMANCE REPORT – SAFETY

FOR THE MONTH OF……

Name of BA: …….

Name of the Project and Purchase order No: …….

Date of commencement of work: …….

Man Hour Worked in this month (No. of employees X 8 Hrs + Overtime): ……..

Cumulative Man Hour worked: ……

Total Number of

Minor Injury (this month): …… Minor Injury (Total) …….

Major Injury (this month): …….. Major Injury (Total): ……..

Detail of the Incident / Sub Standard Acts and Condition

Activity	This Month	Cumulative (Total)	Day Lost (this month)	Days Lost (Cumulative)
No. of the Incident				
No. of lost time injuries				
No. of dangerous occurrences				
No. of near miss reported				
Substandard Act/Conditions observed			Attach details of observation of this month	
Safety Violation Notice received (from TPNODL) (both in numbers and in Rs.)	No.	No.	No. of violation letter received and compliance report for the TPNODL.	
	Rs.	Rs.		

Note: Cumulative means total from date of commencement of work according to the contract.

Detail of the Accident / Near Miss Incidents:

Date and Time	Type of the incident	Name of Employee	Brief Description	Corrective and Preventive actions recommended

Details of the Safety Violations:

Date and Location	Brief Description	Name of employee involved	Action Taken

Detail of the Safety Talk / Toolbox Talk / Safety Training

Date and Location	Topic (s)	Total Number of employees (Worker / Supervisor)	Number of participants (Worker / Supervisor)

Detail of the Safety Meeting

Date and Location	Number of participants	Topics discussed	Major Observations / Innovation

Detail of the Safety Inspection /Audit: (as per TPNODL site audit checklist F29A (COR-P-12)

Date	Area / Location	Major Observations	Recommendations	Action Taken

Any other Safety, Occupational Health, Environment & Disaster Management Promotional Activity (During this month):

Date	Location	Activity	Level of Participation	Number of participations

Signature of the BA Safety Representative Signature of ZM / HoG

Name, E. No. and Date Name, E. No. Date.

Note: The original form to be deposited with Engineer in-charge and a copy to SAFETY group on or before 5th of every month along with bill. List of training of the current month and status of PPE to be also mentioned individual wise.

BA may include additional lines if required. The TPNODL may revise the format as and when deemed required.

ANNEXURE-L

VENDOR APPRAISAL FORM

TO BE SUBMITTED BY VENDOR (To be filled as applicable)			
VENDOR:			
1.0	**DETAILS OF THE FIRM**		
	1.1	NAME (IN CAPITAL LETTERS)	:
	1.2	TYPE OF CONCERN (PROPRIETARY) Partnership, Pvt. Ltd., Public Ltd. etc.	:
	1.3	YEAR OF ESTABLISHMENT	:
	1.4	LOCATION OF OFFICE POSTAL ADDRESS TELEGRAPHIC ADDRESSES, TELEX NO. FAX NO.	:
	1.5	LOCATION OF MANUFACTURING UNITS	:
		i) UNITS 1	:
		ii) OTHER UNITS	:
2.0	**PRODUCTS MANUFACTURED**		:
3.0	**TURNOVER DURING THE LAST 3 YEARS (TO BE VERIFIED WITH THE LATEST PROFIT & LOSS STATEMENT).**		:
4.0	**VALUE OF FIXED ASSETS**		:
5.0	**NAME & ADDRESS OF THE BANKERS**		:
6.0	**BANK GUARANTEE LIMIT**		:
7.0	**CREDIT LIMIT**		:
8.0	**TECHNICAL**		
	8.1	NO. OF DESIGN ENGINEERS (INDICATE NO. OF YEARS EXPERIENCE IN RELATED FIELDS)	:
	8.2	NO. OF DRAUGHTSMAN	:
	8.3	COLLABORATION DETAILS (IF ANY)	:
		8.3.1 DATE OF COLLABORATION	:
		8.3.2 NAME OF COLLABORATOR	:
		8.3.3 RBI APPROVAL DETAILS	:
		8.3.4 EXPERIENCE LIST OF COLLABORATORS	:
		8.3.5 DURATION OF AGREEMENT	:
	8.4	AVAILABILITY OF STANDARDS / DESIGN PROCEDURES / COLLABORA-TOR'S /	:

		DOCUMENTS (CHECK WHETHER THESE ARE LATEST/CURRENT	
	8.5	TECHNICAL SUPPORT, BACK-UP GUARANTEE, SUPERVISION, QUALITY CONTROL BY COLLABORATOR (WHEREVER ESSENTIAL). (THIS CLAUSE IS RELEVANT WHEN VENDOR'S EXPERIENCE IS INADEQUATE)	:
	8.6	QUALITY OF DRAWINGS	:
9.0	**MANUFACTURE**		
	9.1	SHOP SPACE, LAYOUT LIGHTING, VENTILATION, ETC.	:
	9.2	POWER (KVA)	:
		MAINS INSTALLED	:
		UTILIZED	:
		STANDBY POWER SOURCE	:
	9.3	MANUFACTURING FACILITIES (ATTACH LIST OF EQUIPMENT AS APPLICABLE)	:
		9.3.1 MATERIAL HANDLING	:
		9.3.2 MACHINING	:
		9.3.3 FABRICATION	:
		9.3.4 HEAT TREATMENT	:
		9.3.5 BALANCING FACILITY	:
		9.3.6 SURFACE TREATMENT PRIOR TO PAINTING/ COATING, POLISHING, PICKLING, PASSIVATION, PAINTING, ETC.	:
	9.4	SUPERVISORY STAFF	:
	9.5	ADEQUACY OF SKILLED LABOURS (MACHINISTS, WELDERS, ETC.)	:
	9.6	NO. OF SHIFTS	:
	9.7	TYPE OF MATERIAL HANDLED (SUCH AS CS, SS, ETC.)	
	9.8	WORKMANSHIP	:
	9.9	MATERIAL IN STOCK AND VALUE	:
	9.10	TRANSPORT FACILITIES	:
	9.11	CARE IN HANDLING	:
10.0	**INSPECTION / QC / QA / TESTING**		
	10.1	NUMBER OF PERSONNEL (INDICATE NO. OF YEARS OF EXPERIENCE)	:
	10.2	INDEPENDENCE FROM PRODUCTION	:
	10.3	AVAILABILITY OF PROCEDURAL WRITE UP/QUALITY PLAN	:

	10.4	INCOMING MATERIAL CONTROL AND DOCUMENTATION	:
	10.5	RELIABILITY/REPUTATION OF SUPPLY SOURCES	:
	10.6	STAGE INSPECTION AND DOCUMENTATION	:
	10.7	SUB-ASSEMBLY & DOCUMENTATION	:
	10.8	FINAL INSPECTION AND DOCUMENTATION	:
	10.9	PREPARATION OF FINAL DOCUMENTATION PACKAGE	:
	10.10	TYPE TEST FACILITIES	:
	10.11	ACCEPTANCE TEST FACILITIES	:
	10.12	CALIBRATION OF INSTRUMENTS AND GAUGES (WITH TRACEABILITY TO NATIONAL STANDARDS) (ATTACH LIST)	:
	10.13	STATUTORY APPROVALS LIKE BIS, IBR, ETC. (AS APPLICABLE)	:
	10.14	SUB-VENDOR APPROVAL SYSTEM AND QUALITY CONTROL	:
	10.15	DETAILS OF TESTS CARRIED OUT AT INDEPENDENT RECOGNIZED LABORATORIES	:
		i) FURNISH LIST OF TESTS CARRIED OUT AND THE NAME OF THE LABORATORY WHERE THE TESTS WERE CONDUCTED	:
		ii) CHECK AVAILABILITY OF CERTIFICATES AND REVIEW THESE WHEREVER POSSIBLE	:
11.0	**EXPERIENCE (INCLUDING CONSTRUCTION / ERECTION / COMMISSIONING) TO BE FURNISHED IN THE FORMAT INDICATED IN APPENDIX)**		:
12.0	**SALES, SERVICE AND SITE ORGANIZATIONAL DETAILS**		:
13.0	**CERTIFICATE FROM CUSTOMERS (ATTACH COPIES OF DOCUMENTS)**		:
14.0	**POWER SITUATION**		:
15.0	**LABOUR SITUATION**		:
16.0 *	**APPLICABILITY OF SC/ST RELAXATION (Y/N) IF YES, SUPPORTING DOCUMENTS TO BE ATTACHED**		
17.0	**ORGANIZATIONAL DETAILS** 1. PF NO 2. ESI NO 3. INSURANCE FOR WORK MAN COMPENSATION ACT NO 4. ELECTRICAL CONTRACT LIC NO		:

	5. ITCC / PAN NO 6. SALES TAX NO 7. WC TAX REG. NO	
18.0	**DOCUMENTS TO BE ENCLOSED:** 1. FACTORY LICENCE 2. ANNUAL REPORT FOR LAST THREE YEARS 3. TYPE TEST REPORT FOR THE ITEM 4. PAST EXPERIENCE REPORTS 5. ISO CERTIFICATE –QMS, EMS, OHAS, SA 6. REGISTRATION OF SALES TAX 7. COPY OF TIN NO. 8. COPY OF SERVICE TAX NO. 9. REGISTRATION OF CENTRAL EXCISE 10. COPY OF INCOME TAX CLEARANCE. 11. COPY OF PF REGISTRATION 12. COPY OF ESI REGISTRATION 13. COPY OF INSURANCE FOR WORK MAN COMPENSATION ACT NO 14. COPY OF ELECTRICAL CONTRACT LIC NO 15. COPY OF PAN NO 16. COPY OF WC TAX REGISTRATION 17. DOCUMENTS IN SUPPORT OF SC/ST RELAXATION AT S.NO.16.0 18. GSTN CERTIFICATE	

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

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

NOTE: Certification from SC/ST Commission shall be required for deciding upon SC/ST status of a person.

ANNEXURE X

SAFETY POLICY AND SAFETY TERMS AND CONDITIONS

Definitions

Order Manager: Order Manager is the TPNODL 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 TPNODL under a signed contract.

Site Safety Management Plan: It is the safety plan agreed between Contractor / Service provider and TPNODL. 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 TPNODL level.

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

1. Safety Policy

TPNODL

HEALTH AND SAFETY POLICY

TP Northern Odisha Distribution Limited 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. Westrive 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 endeavor 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.

(Bhaskar Sarkar)
Chief Executive Officer

Date: 01st April 2021

Lighting up Lives!

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 fulltime 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 TPNODL 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 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)

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)

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 kindly refer Procedure Document No –TPSMS/CSP/CSE/003 REV 01 available on official website of Tata Power (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)

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)

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 available on official website of Tata Power (www.tatapower.com)

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)

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)

3.9 Job Safety Analysis (JSA) Procedure

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)

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 available on official website of Tata Power (www.tatapower.com)

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)

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)

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)

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)

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)

3.16 Contractor Safety Management Procedure

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)

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) 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 TPSDI/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

	Lag Indicators			
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:

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 Earthling 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/

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 HMV/Mobile Crane operator does not having a valid HMV driving license.	4	2000/
38.	The loading area is not leveled properly.	4	2000/
39.	Ladder not anchored at top	4	2000/
40.	Opening found in working platform of scaffolding/floor	4	2000/
41.	Inadequate illumination at the working area	4	2000/
42.	Loose material lying on Gantry ,platform	4	2000/
43.	Cleaning 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/

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/-

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.	• First Time	3	Warning
101.	• Second Time	4	1000/-
102.	• Third Time	5	5000/-
103.	Serious Violation Of House Keeping (after 1st or 2nd warning to be decided by Project Manager depending on the severity)		Rs.10000/- and above
104.	Repeat Violation of same nature	5	5X Violation

ANNEXURE XI
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-Contracts & Material Management e-mail sunil.bhattar@tpnodl.com.

ANNEXURE XII

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: 15th June, 2018

TATA POWER
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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: 15th June, 2018

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