

BIHAR STATE POWER TRANSMISSION CO. LTD., PATNA



TENDER SPECIFICATION

For

Fabrication, galvanizing, testing and supply of DD+18 and DD+25 type tower structures including nuts, bolts and stubs for 220 kV transmission lines.

N.I.T. No.- 27/PR/BSPTCL/2026

Cost Rs. 11,800.00

ADDITIONAL INSTRUCTIONS TO THE BIDDERS

(Over & above the existing instructions)

The tender notice and tender document/specifications/BOQ shall remain available at website www.eproc2.bihar.gov.in during the tender notice period and the same can be downloaded and used as tender document for submitting the tenders.

1. “Bid Processing Fee & Cost of Tender is mandatory to be paid through online mode i.e. Internet Payment Gateway (Credit/Debit Card), Net Banking, NEFT/RTGS”.
2. “Bid along with necessary online payments must be submitted through e-payment portal www.eproc2.bihar.gov.in before the date & time specified in the NIT. The department doesn't take responsibility for the delay/ Non submission of Tender/ Non Reconciliation of online Payment caused due to Non-availability of Internet Connection, Network Traffic/ Holidays or any other reason”.
3. Tenderers should watch the website for Corrigendum/ Addendum to the NIT/ Tender Documents. There will not be any separate correspondence about the same.
4. The tenderers, who will be found indulging in changing/ adding or deleting the contents of the downloaded tender document/ specifications/ BOQ, will be liable to face necessary action including banning, suspension from business dealing etc.

SECTION – I

Instructions to Bidders

SECTION – 1

GENERAL CONDITIONS FOR SUBMISSION OF TENDER FOR SUPPLY OF MATERIALS & INSTRUCTIONS TO BIDDERS

1. PARTICULARS OF TENDER:

i)	NIT No.	:	27/PR/BSPTCL/2026
ii)	Scope	:	Fabrication, galvanizing, testing and supply of DD+18 & DD+25 type tower structures including nuts, bolts and stubs for 220 kV transmission lines
iii)	Start date of Online Sale of Bid Documents/ request of Bid/ Bid Documents	:	From 11:00 Hrs. of 16.06.2026
iv)	Last date of Online Submission of bid along with Tender Cost & Processing Fee	:	Up to 17:00 Hrs. of 07.07.2026
v)	Last date of submission of EMD and hard copy of receipt of BSEDCL processing fee & tender cost	:	Up to 18:00 Hrs. of 07.07.2026
vi)	Due date / time for opening of Tender (Part-I) only	:	After 16:00 Hrs. of 08.07.2026
vii)	Earnest Money to be submitted with tender	:	Rs. 12,75,000.00 Only Only in online mode/ Through BG (offline) in favor of Bihar State Power Transmission Co. Ltd., Payable at Patna. <u>Bank details for submission of BG</u> Name of the Bank A/C - Bihar State Power Transmission Company Limited Bank A/C No. - 8531101012040 IFSC code - CNRB0008531 Branch- Vidyut Bhawan, Patna-800001
viii)	Estimated Cost of Equipment	:	Rs. 6,37,26,225.00 Only
ix)	Address for submission of Tender	:	Chief Engineer (Trans. O&M) 4 th Floor, Vidyut Bhawan-II, J. L. Nehru Marg, Patna – 800001

Note: -

- a) **Pre-Bid meeting for the Tender shall be conducted via offline/ online mode. Interested bidders must provide the details viz. contact and email address to the Mob No. - 7763813883 before schedule pre-bid meeting date.**
- b) Due dates as stated above may be extended at the discretion of the company and in the event of any such extension, the extended date will be applicable.
- c) In case, any of the above date is declared holiday by State Govt./Local Administration, the stipulated date will get automatically extended to the next working day.
- d) PART- I and II of the tender shall be opened publicly through online system.
- e) The CIN No. of BSPTCL has been updated to U74110BR2012SGC018889.

1.01. SCOPE OF WORK:

The scope of this Tender specification covers the Fabrication, galvanizing, testing and supply of supply of DD+18 & DD+25 type tower structures including nuts, bolts and stubs for 220 kV transmission lines up to the stores/sites of BSPTCL.

1.02. SUBMISSIONS OF TENDER :

- 1.02.1 (i) Only **online** tenders are being invited, under e-procurement mode. Before submission of tenders, the tenderers are advised to carefully go through this tender document and make themselves fully acquainted with the stipulations made there in. In case, they find any discrepancy/omission in this tender document, they should at once intimate the tendering authority and obtain written clarifications before submission of the tenders. Verbal clarifications or information obtained by them will not be binding to the purchaser.
- (ii) The complete tender in all respect as per requirements of the specifications in soft copies with scanned copies all relevant documents and all its accompaniment shall be uploaded **Online** before the date and hour fixed for receiving the tender.
- (iii) Incomplete tenders or tenders with inadequate information may be rejected.

Not understanding anything mentioned anywhere, this tender is being invited through online tendering system and all documents are to be submitted in the form of soft copies.

The Earnest Money Deposit (EMD) and hard copy of receipt of BSEDCL processing fee & tender cost shall be furnished in sealed envelope physically to Chief Engineer, Transmission O&M, BSPTCL, Vidyut Bhawan, Patna positively up to 18:00 Hrs. of 07.07.2026 & the scanned copies of the above will have to be uploaded along with tender, otherwise the tenders are liable to be rejected.

In case of Online transaction through payment gateway, acknowledgement copy of successful transaction shall have to be submitted in hard Copy/ via email before 07.07.2026

Also, in case of exemption from EMD submission, acknowledgement copy of successful Bid submission shall have to be submitted in hard Copy/ via email before 07.07.2026

- 1.02.2 (i) No alteration in the form of the tender will be permitted. All corrections/additions/alterations in the tender, must be attested by the Tenderer with his dated signature and official seal.
- (ii) All pages of the tender papers, drawings and other accompanying documents shall be signed over official seal of the tenderer at the lower right hand corner with ink only and also similarly signed where required by the Tenderer or any person holding power of Attorney authorizing him to sign on behalf of the Tenderer before submission of the Tender.
- (iii) Telegraphic Tenders will not be entertained.

- (iv) The tender shall contain the name, address of residence and place of business of person or persons submitting the tender. All signatures shall be dated with official seal.
- (v) Canvassing in any form is strictly prohibited and tenderer found to have reported to canvassing shall be liable to have his tender rejected summarily.
- (vi) If the tenderer furnishes wrong information in his tender to create circumstances for the acceptance of his tender, the purchaser reserves the right to reject such tender.
- (vii) **Bidder shall be either OEM itself or authorized dealer of OEM. There shall be only one bidder (OEM or authorized dealer) for one particular model. More than one bidder for particular model for one OEM are liable to be rejected.**
- (viii) Tender documents, in which tender is submitted by a tenderer, shall become the property of the purchaser and the purchaser shall have no obligation to return the same to the Tenderer.
- (ix) The purchaser shall not be liable for any expense incurred by the Tenderer in the preparation of tender whether his/her tender is accepted or not.
- (x) **Along with the Techno-commercial part i.e. Part-I of the tender, the tenderer shall furnish an affidavit confirming that the details and documents furnished along with the tender are true copies of the originals.**
- (xi) The tenderer shall fill up all formats provided in the tender specifications, duly signed by the authorized signatory and furnish a check list for same indicating the page no. of tender.

Tenderers are requested to furnish only those documents which are specifically required and relevant as per the instant tender specification. The documents should be clear especially about the prequalification requirements.

1.02.03 Tender shall be submitted in two parts i.e.

PART-I "Technical and Commercial Part" and

PART-II "Price-Part"

1.02.04 **PART-I TECHNICAL AND COMMERCIAL PARTS:**

This part of the tender shall contain the following details:-

- (i) Complete detail of infrastructures including testing facilities available with the manufacturers.
- (ii) Licensed capacity of production with documents.
- (iii) ISI certification, if applicable.
- (iv) Complete technical details including guaranteed technical particulars as per requirement of the specification.

- (v) **True copies of test reports including latest Type Test reports, carried on the offered material as per relevant ISS/IEC/other relevant Standards as amended up to date are required to be submitted. The type testing should have been conducted during the last five years from the date of submission of techno-commercial part i.e. Part-I.**
- (vi) Copies of drawings, if applicable.
- (vii) List of up to date supplies made/orders obtained from major Govt. utilities indicating details of purchase orders, date of commissioning and the performance certificates from the users.
- (viii) All commercial terms like terms of payment, penalty, performance guarantee, manufacturer guarantee etc. as stipulated here in after shall be quoted as per tender specification. Any deviations in commercial terms should be clearly entered separately in schedule provided in (TECHNICAL BID) of the specification. Reasons for not accepting BSPTCL's standard terms as per specification shall also be indicated. Only in exceptional case deviations can be considered.

However, it will be entirely at the discretion of the company to accept such deviations or reject the same. Decision taken by the company will be final. Offers strictly as per specification shall be preferred.
- (ix) Descriptive literature in English.
- (x) Deviations from technical specification, if any should be entered separately in the schedule as provided in TECHNICAL BID of this specification.
- (xi) Details of Earnest money deposited. If exemption claimed, the details of ground on which the exemption is claimed with certified copies of all supporting documents.
- (xii) Delivery schedule guaranteed under penalty clause.
- (xiii) Validity of the offer.
- (xiv) Whether the price quoted is FIRM or VARIABLE. FIRM price shall only be acceptable.
- (xv) Up- to- date Income Tax Return/GST certificates as applicable.
- (xvi) Insurance clause (Insurance certificate to be attached with the supplied items).
- (xvii) All questionnaire provided in Section-III (TECHNICAL BID) of this specification shall be duly filled in and submitted with part-I of the tenders.
- (xviii) In case the bidders are not manufacturer, the bidder should furnish backup guarantee from the manufacturer and details of facilities available with them for service in India.

Note: **Tenderers/ bidders are informed that evaluation of the tender shall be done on the basis of the details and documents submitted/ furnished online with the tender only. Generally, no further correspondence shall be made and the offers/bids/tenders without required details, valid type test reports and other documents shall be out**

rightly rejected. However, the BSPTCL reserves the right to ask any clarification at any stage.

1.02.05 **PART –II – PRICE PART:**

- i) This part of the tender will contain only the price of the offered materials filled up strictly in the same format as in the “PRICE SCHEDULE” enclosed with PRICE BID of this specification.
- ii) The price part shall indicate both Ex-work price as well as F.O.R. destination price of various items for dispatch to anywhere in Bihar by any mode of transportation. The freight charges shall include applicable GST.
- iii) The price part (Part-II of the tender) of those tenderers whose offers (Part-I) would be technically and commercially acceptable, will be opened. The date of opening of price part will be intimated individually to the tenderers by registered post or by email.
- iv) GST will be payable (which shall be included in quoted rates) as per the existing provisions of BSPTCL & as applicable subject to submission of relevant papers and documentary evidence of the payment of duties and taxes and on actual basis.
- v) GST payable by the tenderers /bidders /contractors in respect of the transactions between the tenderers/bidders/ contractors and their sub-suppliers/vendors for procurement of any equipment, parts,/ components, sub-assemblies, raw materials etc. shall be included in the bid prices and no claim on this account shall be entertained by the BSPTCL.
- vi) GST against the transaction between the BSPTCL and the bidder/tenderer/contractor under the contract, if any shall not be included in the tender price but they should be indicated separately, wherever applicable, in the price schedule.
- vii) Wherever applicable, the MODVAT benefits should be extended to the BSPTCL.
- viii) The tenderer shall be responsible for payment of GST, Income Tax, Surcharge on Income tax, etc. to the concerned authorities.
- ix) The tenderer shall furnish details in their price part about amount of freight and insurance charges etc under separate head.
- x) Statutory deductions such as Income tax and other taxes in accordance with the provisions of Income tax Act/other taxation laws as applicable from time to time shall be made from the contractors’ bill by the BSPTCL.
- xi) The tenderer/bidder shall include the GST, on work contract as applicable in their quoted price and the BSPTCL would not bear any liability on this account. The BSPTCL shall however, deduct such taxes at sources as per the rules and issue TDS certificate to the contractor as and where applicable.
- xii) As such, documents regarding payment of duties and taxes for the transactions between the BSPTCL and tenderer/contractor for the items manufactured by the contractors/tender

itself shall be required to be furnished by them. However, these documents will not be required for bought out items.

- 1.02.06 The tenderers must indicate the name, residence and place of business, person or person submitting the tenders. All papers of tenders shall be signed by ink at the lowest right hand side by the tenderers or any person holding power of attorney authorizing him to sign on behalf of the tenderers and shall bear seal of tendering company. There shall be no over writing in the tender. Any mistake should be properly cut, rewritten and initialed by the tenderer before submission or the tender.

The tenderers shall furnish along with their tender, an affidavit on Stamp paper to the effect that type tests and/or routine tests have actually been carried out at CPRI/National Test House/ NABL accredited labs/ or foreign laboratory accredited by National Accreditation body of that country in case of imported equipments and test reports, performance reports etc. enclosed with the tenders are true copies of the originals and all information & details are correct.

- 1.02.07 If the tenderer deliberately gives wrong information in his tender to create a circumstance in favour of acceptance of his tender, the purchaser reserves the right to reject such tender at any stage.

Any approach from the tenderer or his representative trying to influence the decision of the tender officially or otherwise, shall render his tender liable to be rejected.

- 1.02.08 Tender documents are not transferable. Also not more than one tender shall be submitted by one firm. No tender shall be acceptable unless the tenderer buy a copy of tender by due date.

- 1.02.09 Tender documents submitted by the tenderers will become the property of the purchaser and purchaser will have no obligation to return the same to the tenderer.

Purchaser shall not be responsible for any expenses or losses incurred by tenderers in preparation of their tenders whether the tender is accepted or not.

- 1.02.10 BSPTCL shall not be responsible for non-receipt of the tender specifications by the tenderer.

- 1.02.11 The tenders cannot be submitted after expiry of due date/time prescribed.

- 1.02.12 **“Self-Declarations/ auditor’s/ accountant’s certificates submitted by the manufacturer/ supplier may be verified randomly by the committee constituted as per MoP Order 28.07.2020. In case of false documents/ misrepresentation of the facts requisite action against such manufacturer/ supplier will be taken based on the recommendation of the committee.”**

Self-declaration/ auditor’s/ accountant’s certificate is to be submitted by the suppliers/bidder regarding local contents of the purchase for preference to **Make In India** along-with the bid.

- 1.03 **CORRESPONDENCES:**

1.03.01 All correspondences regarding this tender shall be made with Chief Engineer (Transmission O&M), 4th Floor, Vidyut Bhawan-II, J. L. Nehru Marg, Patna-800001.

No correspondence shall be entered with the tenderers after opening of the price part of the tender nor any letter which imply any change in the equipment or in the price thereof shall be entertained after opening of the price part of the tender.

Any query which are raised from this office regarding this tender should be promptly replied within a maximum period of 15 (fifteen) days from the date of dispatch of such letters failing which tenders will be finalized on the basis of details/information submitted along with the tenders only. It will, therefore, be in the interest of the tenderers that details/terms/particulars as per specification are furnished along with the tender itself and strictly adhere to the time schedule in sending replies.

1.04 **DEFINITION OF TERMS:**

1.04.1 In constructing these General Conditions and the annexed Specifications the following words shall have the meanings herein assigned to them unless there is something in the subject inconsistent with such constructs.

The “BSPTCL”/ “Purchaser” shall mean the Bihar state Power Transmission company Ltd whose Registered Office is situated at Vidyut Bhawan. J.L. Nehru Marg, Patna-800001. Bihar, India and shall include its successor in office and permitted assigns.

The “Contractor”/ “tenderer” shall mean person, or a company firm or an incorporated company whose tender has been accepted by the Purchaser and shall include his/its heirs, executors, administrators, representatives and assigns.

The “Engineer” shall mean an officer of the Purchaser as may be only appointed and authorized in writing by the Purchaser to act as the Engineer on its behalf for the purpose of the Contract.

The ‘Inspector’ shall mean any firm or person or a company who may be duly appointed and authorized in writing by the Purchaser to inspect plant, equipment and works included in the Contract.

“Plant”, “Equipment”, “Work” or “Works” shall mean and include tools, plant, machines, stores and materials of all kinds to be provided and work to be done and services to be rendered by the Contractor.

The “contract” shall mean and include the various terms and conditions contained in the tender specifications, the tenderer’s offer against such specifications and the results arrived at during subsequent deliberations as mutually agreed upon and embodied in the NOA/Order/Agreement and also all amendments/additions thereof.

The word ‘Site’ shall mean the site of proposed work as detailed in the specification or any other place where the work is to be executed under the contract.

“Tests on completion” shall mean such tests as are prescribed in the Specification, BSPTCL standards, I.E. rules, I.S.S. etc. and/or tests mutually agreed upon by the

Purchaser and the supplier. Performance guarantees of the plant and equipment shall mean the guarantees given by the supplier before taking over of the plant and equipment by the Purchaser. "Acceptance Tests" shall mean such Test as are required to prove the performance of the plant given by the supplier before taking over of the Plant by the Purchaser.

"Commissioning" shall mean the first successful operation of the equipments as per specifications after all initial adjustments, trials, cleaning as reasonable required at site, if any, have been completed.

"Commercial use" shall mean that standard or service efficiency and performance, the equipments are required to attain as contemplated in the specification/contract.

"Guarantee period" shall mean the period of guarantee as explained under clause "Guarantee" of these General conditions.

"Month" shall mean calendar month.

"Letter of Intent" shall mean the Purchaser's letter conveying his acceptance of the Tender subject to such reservations as may be stated therein.

"Erection Supervision" means the Supervision services rendered or exercised by the tenderer during the erection of the Plant and equipment as explained under clause "Erection Supervision services" of these General Conditions.

"Writing" shall include any manuscript, typewritten or printed statement under dated signature with seal as the case may be.

"Approved" shall mean as approved by the Purchaser.

"F.O.R. Destination Price" shall mean delivery free of expenses to the Purchaser, exclusive of insurance charge, at the works site stores including unloading and proper stacking.

"Tonne" shall mean 1000 kilogram weight "Gallons" shall mean imperial gallons, unless. Mentioned specifically.

Terms and conditions not herein defined shall have the same meaning as are assigned to them in the Indians Sale or Goods Act (Act III of 1930) failing that in the Indian Contract Act (Act IX of 1872) and failing that in the General Clause Act, 1897.

1.05 RIGHT TO AMEND SPECIFICATION:

1.05.1 The purchaser reserves the right at any time by written order, to revise or amend the tender specification, drawings, and other conditions up to the date notified for receiving tenders without assigning any reason thereof. The purchaser will send copies of such amendments or addendum to all purchasers of this tender specification.

1.06 ELIGIBILITY:

1.06.1 The tenderers should be either established manufacturers of the material/equipment offered or authorized dealer of the manufacturers. Such manufacturers should have designed,

manufactured, tested and supplied at least 25% of offered materials of the same or higher voltage level mentioned during one year in last five year in any major Government organization/ State Utilities or PSUs in India. Order should not be older than last five years at the time of submission of technical bid documents. Credentials of OEM shall be considered as experience for authorized dealer.

- 1.06.2 Offered material should be type tested at CPRI/National Test House/NABL accredited labs as per relevant ISS/IEC. The date of type test should be within five years as on the date of submission of tender. Copy of Purchase Order, Performance Certificate & Type Test Report must be uploaded for evaluation of tender.

Performance certificate ensuring minimum one-year successful operation of at least 10% of offered material from the date of Commissioning/Supply to be submitted along with P.O. The purchase order should be within **five years** as on the date of submission of tender. The performance certificate to be submitted, should be from the purchaser, clearly mentioning period of successful operation, quantity and Purchase Order No.

The period of one-year successful operation should be within last **five years** as on the date of submission of tender.

- 1.06.3 The tenderers/manufacturers shall have an engineering organization capable of undertaking design, manufacture, testing, supply and commissioning of the quoted material. OEM must have own fabrication unit with required tools and plants for different tower structures. The tenderer should accompany a list of all the facility available with them for inspection & testing of the equipments and clearly confirm that these will be made available to the purchaser or his representative for inspection.

- 1.06.4 The tenders of the firms quoting as authorized dealer of a manufacturer may be considered, provided: - **“The manufacturer furnishes an affidavit regarding its authorized dealer assuring full guarantee /warranty obligation on non-judicial stamp paper of value Rs. 1000/- as per Government Rule”.**

1.07 FINANCIAL RESOURCE AND EXPERIENCE:

- 1.07.1 The minimum annual average financial turnover (MAAT) of the firm calculated over the best three years, out of the last five years should be equal or more than 100% value of the material/equipment.

Bidder shall submit audited balance sheet for at least five years preceding the date of bid submission. In case of bid by authorized dealer, in addition to himself, the above shall apply to his manufacturers also.

- 1.07.2 Net Worth for last 3 financial years should be positive.

- 1.07.3 Bidder shall have liquid assets (L.A.) or/and evidence of access to or availability of credit facilities of not less than 10% of estimated value of the particular tender for which bid is submitted.

- 1.07.4 The bid can be submitted by an individual firm (single entity) only. Joint venture (JV) of two firms is not eligible for instant tender.

1.07.5 GENERAL:

- 1.07.5.1 The Bidder must have a valid Registration Certificate. Any name change of the company must also have a valid name change registration certificate.
- 1.07.5.2 The Bidder must have a valid GST registration.
- 1.07.5.3 The Bidder must not have filed for insolvency.
- 1.07.5.4 The Bidder must not have been blacklisted anywhere in India.
- 1.07.5.5 The bidder having any litigation is required to submit the complete details at the time of application submission.

1.08 DOCUMENTS IN ADHERENCE TO MoP:

- 1.08.1 The Orders (PPP-MII Orders) issued by Govt. of India regarding Public Procurement (Preference to Make in India) circulated vide DIPP Notification No.- P-45021/2/2017-B.E-II dated 15.06.2017, its revision vide DIPP Notification No.-P-45021/2/2017-PP(B.E-II) dated 28.05.2018, Order no. P-45021/12/2017-B.E.-II dated 29.05.2019, the revised 'Public procurement (Preference to Make in India), Order 2017' dated 04.06.2020 and Public Procurement (Preference to Make in India) to provide Purchase Preference (linked with local content) in respect of Transmission Power Sector circulated vide MoP Notification No.- 11/05/2018-Coord dated 20/12/2018 & dated 28/07/2020 and the Order issued to protect the security, integrity and reliability of the strategically important and critical power supply system and network in the country circulated vide MoP, GoI notification no.- 25-11/6/2018-PG dated 02.07.2020 and any subsequent amendments/modifications shall be essentially complied by the bidders.

- 1.08.2 The local content percentage prescribed by the MoP, GoI vide Notification No.- 11/05/2018-Coord dated 20/12/2018 and subsequent modification/amendment dated 28/07/2020 shall be applicable as on the date of issue of the Tender Notifications.

The required documents and statements with details about the value addition for the purpose of meeting the Minimum Local Content, Affidavits of self-certification regarding Minimum Local Content in line with PPP-MII Orders to be submitted by the bidders along with their bids on a Non-Judicial Stamp Paper of Rs. 1000/-.

- 1.08.3 Also, Certificate from statutory Auditor or Cost Auditor or Cost Accountant or Chartered Accountant giving the percentage of Local Content as per clause 1.08.1, in line with PPP-MII orders to be submitted by the bidders along with their bids on the letter head of issuer.
- 1.08.4 The confirmation and detail about statement regarding local content, communicable equipment, components, parts, services etc, imported, country of import, communicable or non-communicable etc. shall furnish by the manufacturer / equipment supplier as well as bidder/ contractors/ EPC agency on the Non- Judicial stamp paper of Rs. 1000/- .

- 1.08.5 The MoP Orders no. 25-11/6/2018-PG, dated 02.07.2020 and no.-11/05/2018-Coord, dated-28.07.2020 shall also apply to any item imported for end use or to be used as a component, or as a part in manufacturing, assembling of any equipment or to be used in power supply system or any activity directly or indirectly related to power supply system.
- 1.08.6 All the guidelines and orders issued by MoP, DPIIT, CEA and MoF with reference to the imported items for the equipments/ components/ parts/ services from time to time will be applicable on BSPTCL and as such it will also be fitted as part of this NIT which will be acceptable to the bidders.
- 1.08.7 Accordingly, all equipments/ components/ parts/ services complying the instructions in respect of communicable parts/non-communicable parts/testings and their protocols/safe to connect and cyber security from the designated testing centres/labs as per protocols decided by MoP, CEA and BSPTCL and all other relevant orders issued from time to time by MoP, MoF, DPIIT and CEA, shall only be offered for vendor approval/ adoption by BSPTCL.
- 1.08.8 Moreover, **an affidavit on the stamp paper of Rs. 1000/- by the EPC contractor/ Bidders (as per the relevant annexed format in Section-III of this specification, Format-A for non-manufacturer and Format-B for manufacturer.)** and Manufacturer, regarding compliances of all the directives issued by MoP, DPIIT, CEA, and MoF as well as successful testing of the equipment/components/parts in terms of specified qualities and its type test/ checks as per Tender Documents/ Tender Specifications shall be furnished with the proposal of the bidding or/and vendor approval/ adoption, otherwise the Bids shall be liable to be out rightly rejected.
- 1.08.9 No proposals for vendor approvals/ adoptions or/and supply of equipments shall be entertained in case of non-compliance of the above-mentioned orders/ guidelines/ clarifications.

- Note:-1)** Bidders not complying with terms of clause 1.08 shall be liable to be out-rightly rejected.
- 2) Any details of the above statement is found incorrect/wrong/ false after the supply, the penalty action shall be taken by BSPTCL as deemed fit as well as other authority as per the order.
- 3) Any Cost to compliance regarding **clause 1.7** of tender document shall be borne by Bidders/OEM.

1.09 EVALUATION OF TENDER:

- 1.09.1 The tenders shall be examined and evaluated on the basis of documents and information submitted by the tenders along with their tenders.

However, the purchaser may enquire from the tenderers in writing for any clarification in respect of commercial and/or technical terms quoted by the tenderer. The response of the

tenderers will be also in writing. However, no change in the prices or offered equipment material will be permitted.

- 1.09.2 The purchaser will evaluate and compare the bids/tender which has been determined to be substantially responsive. A substantially responsive tender/bid shall be considered the one which conforms to all the terms and conditions of the purchaser's tender specification without material/equipment deviation. If a bid is determined not substantially responsive, its price part may not be opened. The decision of the purchaser in this regard will be final.
- 1.09.3 On opening of the price-bids, the computational/arithmetical errors, if any, will be rectified on the following basis.
- i) Where there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price & quantity, the unit price will prevail, and the total price will be corrected accordingly.
 - ii) Where there is a discrepancy between words and figures the amount written in words will prevail.
 - iii) Failure on the part of the bidder/tenderer to agree to the above corrections will result in rejection of this tender and forfeiture of their E.M.D.
- 1.09.4 While evaluation of a tender /bid, the purchaser shall take into consideration one or more of the following factors :-
- i) Delivery schedule offered
 - ii) Deviations in payment terms and the technical deviations.
 - iii) Available facilities with the tenderers such as equipped shop, plants, tools, tackles, testing facilities and financial standing and technical organization of the firm.
 - iv) Availability of spare-parts and after sales services for the equipment offered against the tender.
- 1.09.5 The purchaser evaluation of a bid will take into account the Net-Landed cost of the material/equipment at destination store and charges GST. For the purpose of evaluation, net landed cost will be arrived at by adding all elements of the basic prices, allowable discount, (if any original offer) only. Freight charges and any other charges/ as quoted by the firm and GST as applicable.
- In addition any variation in taxes and duties or new levies introduced subsequent to opening of the tender and before award, will be considered for comparison purposes and on the basis of comparison, L1 bidder will be decided.
- 1.09.6 It is the responsibility of the tenderer to quote GST correctly without leaving any column unfilled of "Price-Schedule"
- i) If no taxes/duty is livable, the same any be entered as "NIL".

- ii) Where there is an exemption of Taxes/GST, the documentary evidence to that effect must be enclosed by the tender.

If any column in the “Price-schedule” is left blank or filled vaguely like “as applicable”, the same will be loaded with the maximum of the other eligible tenders.

The earnest money should be furnished separately in the form of B.G./Bank draft/online money transfer against the tender otherwise the tender shall be rejected. The tender shall be evaluated on the basis of both techno-commercial part and price quoted in the tender.

1.10 **VALIDITY:**

- 1.10.1 The tender should be kept valid for acceptance for a period of one hundred twenty (120) calendar days from the date specified for opening date of part-I of tender. Tenderers giving validity of less than 120 (one hundred twenty) calendar days may be rejected.

1.11 **EARNEST MONEY:**

- 1.11.1 Tender must be accompanied with an Earnest Money of **Rs. 12,75,000.00** failing which the tender will be out right rejected.

- 1.11.2 The earnest money should be deposited either in the form of Bank draft issued by any of the Nationalized Bank/Schedule bank as detailed in the specification only in favor of “Senior Manager (F&A), BSPTCL” payable at Patna should be enclosed with the commercial part of the tender. The Earnest Money may also be deposited in the form of Bank Guarantee issued in favor of Senior Manager (F&A), BSPTCL, Patna who shall counter check the same.

Bank drafts/Bank Guarantee towards Earnest Money, Performance Guarantee, Payment Guarantee etc. issued by Nationalized bank or issued by the Scheduled Banks as contained in the second schedule of Reserve Bank of India act, 1934 namely ICICI Bank, Axis Bank, HDFC Bank, IDBI Bank etc. shall be acceptable.

- 1.11.3 Cheque/Fixed deposit receipts are not acceptable towards deposit of earnest money. Tenders accompanied with above on account of Earnest Money will be considered as without Earnest Money.

- 1.11.4 No Earnest money will be accepted after opening of tender.

- 1.11.5 The Earnest money deposit will be refunded to each of the un-successful tenderer on application. In case of the successful tenderer or tenderers it will be retained and no interest on Earnest Money will be payable.

- 1.11.6 In the event, the successful tenderer fails to sign the contract Agreement with BSPTCL within 30 days after receiving notice of award of contract and fails to submit a contract guarantee as specified in this document, Earnest Money deposited will be forfeited to compensate damage to Bihar State Power Transmission Co. Ltd.. The Earnest Money of the successful Tenderer shall be returned after they will furnish the contract guarantee.

- 1.11.7 The Earnest Money shall be furnished in a separate Online cover and shall accompany with the commercial part of the tender bid.
- 1.11.8 Any bid/tender not accompanied by Earnest Money will be rejected as non responsive except exemption as per **clause (1.11.11)**.
- 1.11.9 This Earnest Money is required to protect the BSPTCL/Owner against the risk of the bidder's conduct which would warrant the Earnest Money forfeiture under the conditions detailed in the specification.
- 1.11.10 **The Earnest Money shall be valid for a period of 180 days from the date of opening of the Part-I i.e, Techno-commercial part of the tender.**
- 1.11.11 Bidders under following category will be exempted from depositing Earnest Money subject to the conditions laid down below :-
- i) Small Scale Industries Units & MSME of Bihar registered with the department of Industries, Govt. of Bihar or with State Directorate or Commissioner of Industries or District Industries Centre or UDYAM registered in Bihar for manufacture of the items for which tender is submitted. The tender in such cases must be supported with a certified copy of up-to-date/valid registration Certificate failing which the tender will be liable for outright rejection.
 - ii) Firms registered with National Small Industries Corporation under single point registration scheme subject to monetary limit specified in the enlistment certificate provided that the registration certificate is valid on the date of tender and during the period of delivery.

1.12 SECURITY DEPOSIT:

- 1.12.1 Successful tenderer will have to furnish security deposit in Bank Draft/in the form of a Bank Guarantee of value equal to 5% (five percent) value of the contract value valid up to guarantee period as per order. This Bank guarantee will have to be submitted in the prescribed form of the purchaser as enclosed with specification (Section –III) and prepared on a paper with non-judicial stamp as per Govt. rules (Stamp cost will be borne by the supplier), immediately after placement of NOA and before execution of agreement. The guarantee will cover supplier responsibility for faithful execution of the contract in accordance with all terms and conditions specified thereon. The bank guarantee shall be issued from a Nationalized Bank of India or issued by the Scheduled Banks as contained in the second schedule of Reserve Bank of India Act, 1934 namely ICICI Bank, Axis Bank, HDFC Bank, IDBI Bank etc. and made payable to the Senior Manager (F&A), BSPTCL, Patna, payable at Patna. If the contractor fails to submit the security deposit within the specified period, such failure will constitute a breach of the contract and the purchaser shall be entitled to make other arrangements at the risk and expense of the contractor.
- 1.12.2 Only those bidders who are Small scale Industries units & MSME of Bihar registered with the department of Industries, Govt. of Bihar or State Directorate or Commissioner of Industries or District Industries Centers or UDYAM registered in Bihar for manufacture/ services of the items for which tender is submitted. They will however pay 20% of Security Deposit
- 1.12.3 The security deposit will be returnable to the supplier/contractor after expiry of guarantee period as per **clause 1.20**.

1.13 INCOME TAX/ SALES TAX (GST) CLEARANCE CERTIFICATES:

- 1.13.1 Tenderers will furnish along with their tender up-to-date income tax return.
- 1.13.2 Tenderers will furnish along with their tender documents GST Registration certificate, as applicable.

1.14 PACKING:

- 1.14.1 Packing of tower materials shall be done separately for each type of tower with extension (with color code). The Supplier shall provide such packing of the goods as it is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods final destination and the absence of heavy handling facilities at all points in transit. The packing cases may be marked to indicate the fragile nature of the contents.
- 1.14.2 The following should be taken into account for tower structures/materials:

-There should be color coding in package to differentiate between type of Towers/Materials.

- a. DA type tower material – Red
- b. DB type tower material – Yellow
- c. DC type tower material – Blue
- d. DD type tower material - Green

- Tower materials should be stapled through GI sheet

- Tower materials of each type for each Store Location should be winded together strongly with GI wire for easy lifting through Crane.

- All tower materials should be embossed with BSPTCL, Drawing No. & type of tower.

1.14.3 The following information shall be furnished with the consignment

- Name of the consignee.
- Details of consignment.
- Destination.
- Total weight of consignment.
- Sign showing upper/lower side of the crate.
- Sign showing fragility of the material.
- Handling and unpacking instructions.
- Bill of materials indicating contents of item and spare materials.

1.14.4 The material shall be supplied by the bidder with suitable packing for safe keeping of the same in the store for a longer period without any damage and as per GTR in Section-II.

1.14.5 Each bale or package shall contain a packing note quoting specifically the name of the contractor, the number and date of contract or order and the name of the office placing the contract, nomenclature of the stores and include a schedule of parts for each complete equipment giving the parts Nos. with reference to the assembly drawing & the quantity of each part, drawing numbers and tag numbers. The gross and net weight of each package shall 'be clearly marked on it.

1.15 **INSURANCE:**

1.15.1 The Bidder shall include insurance charges whatever in its bid prices as per insurance requirement. Bidder shall further note that the company shall not be liable to make any payment/reimbursement to the bidder/OEM for insurance of material/equipment. If the

prices on account of insurance are not furnished in the schedule, it shall be considered included in other prices and no extra payment shall be made on the above account.

- 1.15.2 Transit Insurance for the Materials/equipment to be supplied against the tender shall be ensured by the bidders.
- 1.15.3 In case of loss/damage/theft during transit, the Bidder/OEM will take prompt action to lodge claim to recover loss, with the Air/Railway/Road Transport, Police authority and insurance company with an intimation to the supplier and will send a copy of the reports to Chief Engineer (O&M), BSPTCL, Patna for information.
- 1.15.4 In case the materials are received short from the intact packing, the supplier will have to replenish the shortage free of cost or the recovery of the cost for shortage will be deducted from the suppliers' bills. Similarly, the supplier will be wholly responsible for the losses due to defective or improper packing or if the packing has been done in a manner not acceptable to the Railway/Transport or not as per Specification/ISS or other lapses and supplier shall take prompt action to replenish all the damaged material immediately free of cost. In case of failure to do so on their part, the amount of loss/damage will be recovered from their pending bills or claims shall be lodged with their Bankers against the Bank Guarantee without any prejudice to any action which the Company may be advised to take in the matter. The amount recovered on the above account will be released only after getting satisfactory reports about completion of supply in all respect from the consignee.

1.16 AWARD OF CONTRACT:

The acceptance of a tender and awards of contract to one or more than one tenderer, if considered necessary, rests with the purchaser. It shall not be obligatory on the part of the purchaser to accept the lowest or otherwise, in whole or in part and to reject any or all the tenders received, without assigning any reason, and no explanation can be demanded of him by any tenderer in respect thereto.

1.17 DELIVERY:

The materials under this tender will have to be supplied within **06 (six) calendar months** from the date of issue of N.O.A.

1.17 PENALTY:

In the event of the bidder's/contractor's failure, to supply the equipment within the specified delivery period, penalty @ ½% (Half percent) of Ex-works value of material delayed for each week or part thereof, subject to maximum ceiling of 10% (ten percent) of Ex-work value of part of supplied material delayed, shall be deducted from running bills of the bidder/contractor.

1.18 TERMS OF PAYMENT:

- 1.18.1 100% payment of F.O.R. destination price inclusive of taxes and duties shall be made by the Senior Manager (F&A), BSPTCL, Patna Payable at Patna on submission of bills along with 5% Bank Guarantee of ordered value issued from a Nationalized Bank of India and on

receipt of S.R.V. from the consignee. The Bank Guarantee shall be valid for the period covering one month prior to the scheduled date of dispatch of the first consignment and up to six months beyond the schedule date of delivery of last consignment. No Bank commission or interest shall be paid by the Company.

In case of non-submission of Bank Guarantee as per clause 1.18.1, the amount of 5% (five percent) will be deducted from the running bills of the bidder.

1.18.2 Supplier shall give intimation in advance to consignee for watching the receipt consignment. Also, a copy of complete set of the following dispatch documents should be sent to the Senior Manager (F&A), BSPTCL, Patna and to this office for necessary action, immediately after dispatch of each consignment.

- i) Evidence of dispatch (original R/R or T/R should be in the name of consignee).
- ii) Suppliers detailed invoice (4 copies)
- iii) Detailed packing list (3 copies).
- iv) Approved test certificates.
- v) GST registration Certificate.
- vi) Insurance Certificate.
- vii) Copy of inspection report and dispatch clearance.

1.18.3 Consignee for the above shall be AEE and/or EEE of concerned Circle Store. Bills to be verified by AEE and/or EEE of concerned Circle Store and countersigned by ESE of concerned Circle.

1.18.4 Bank Guarantee submitted against these clause/deductions from running will be returned after submission of performance guarantee of value equal to 5% value of the ordered value as per **clause 1.19**.

1.19 **PERFORMANCE GUARANTEE:**

1.19.1 To ensure successful and satisfactory performance of the material/equipment supplied under the contract, the supplier shall, after completion of supply, furnish a performance guarantee of value equal to 5% value of the ordered value valid up to guarantee period as per order in similar manner as the security deposit Bank Guarantee in the form of a Bank guarantee issued from a Nationalized Bank of India and made payable to Senior Manager (F&A), BSPTCL, Patna, and its terms and conditions shall be provided in Bank Guarantee form enclosed with the specifications.

1.19.2 The performance Bank Guarantee shall be furnished immediately after the supply is fully completed, on a non-judicial stamp paper of Rs. 1000/- (One Thousand) only.

1.19.3 The delay in submission of performance guarantee shall entail in delay in return of 5% (five percent) Bank Guarantee submitted against payment clause.

1.19.4 The performance guarantee shall cover following guarantee to the BSPTCL: -

The supplier shall warrant successful and satisfactory operation of the equipment supplied against the contract under the conditions and for the services specified. He shall further warrant the equipment as represented and specified against any and all defects in design, material, workmanship and quality and shall upon written notice by the BSPTCL, fully remedy, free of all expenses to the Company, such defects as developed under the normal use to the said equipment within 36 (Thirty Six) months of service from the date of received of last consignment of complete equipment/ material at concerned BSPTCL store.

1.19.5 On due performance and execution of the order in all respects and on presentation of “No–Demand Certificates,” from concerned ESE, BSPTCL the Bank Guarantee will be returned to the supplier without any interest.

1.19.6 Transportation of material/equipment from manufacturer’s works to concerned sites of BSPTCL will be in bidder’s scope.

1.20 **MANUFACTURERS GUARANTEE:**

1.20.1 All materials/equipment to be supplied shall be guaranteed against faulty design, defective materials, bad workmanship and unsatisfactory service for the period of 36 (Thirty Six) months of service from the date of receiving of last consignment of complete equipment/material at concerned BSPTCL store. If during the guarantee period the material is found defective or sub – standard the same has to be replaced free of cost by the contractor in the following manner:

1. Defective material to be identified within 15 days of intimation.
2. Replacement of defective material to be completed within 60 days after inspection.

If the defective materials are not replaced as per the above guarantee clause, the BSPTCL shall revoke the BGs submitted against the Tender.

During the period of guarantee, the supplier shall remedy all defects in design, materials and workmanship that may develop under normal use of the equipment, upon written notice from the BSPTCL who shall indicate in what respect the equipment is faulty. This will include the service charges of engineer/erector, if required to visit the site in connection with works as stated above. The BSPTCL will not incur any expenditure on this account what so ever.

Further, performance of supplied equipment, against instant NIT will be judged on the basis of fulfillment of warranty/guarantee obligation too.

1.20.2 SERVICE:

Necessary arrangement shall be made to extend service of replacement of material on chargeable basis when the guarantee period is over. These defective material shall be replaced within one month time at reasonable charges.

1.21 RIGHT TO SPLIT ORDER:

1.21.1 The purchaser/ BSPTCL reserves the right to split the order amongst the various tenderers and also the right to not accept the lowest or any other tender either in whole or part without assigning any reason for such non-acceptance.

1.22 AGREEMENT:

1.22.1 The successful tenderer/tenderers, upon notice from the BSPTCL, shall have to execute an agreement with the BSPTCL in the prescribed Contract Agreement form of the department. The prescribed format for Agreement is enclosed in this specification (Section –III). The agreement shall be prepared in three copies on pie paper affixed with special adhesive stamp of value of Rs. 1000.00 (Rupees one thousand) only duly embossed by the treasury officers of State of Bihar. No charges on account of preparation of agreement documents shall be paid by the BSPTCL.

1.22.2 Prior to final agreement execution, successful bidders are required to submit draft copies of contract agreement and Security B.G. for vetting by Accounts wing of BSPTCL within 15 days from the date of award. Upon vetting of the same, the final copies of Security B.G. & Contract agreement to be submitted to O&M, BSPTCL incorporating such necessary corrections.

1.23 CANCELLATION OF CONTRACT:

1.23.1 The BSPTCL reserves the right to cancel whole or part of the awarded contract without assigning any reason of those firms who will be found defaulter for delayed supply of materials or who will supply materials of sub-standard quality. In the event of cancellation of order due to the reasons attributable to the firm/contractor/supplier, the security deposited against the contract/order shall be forfeited by the BSPTCL.

1.24 REJECTION:

1.24.1 If materials supplied by tenderer/supplier is found to be defective in material or workmanship or otherwise not in conformity with the requirements of contract/ order, BSPTCL shall have right to reject the materials or advice in writing to rectify/ replace the same . On receipt of such information, supplier shall either rectify the defect or replace the defective materials as per BSPTCL's requirement. The above rectification will have to be done free of cost. In case the supplier fails to do so, the BSPTCL may have its option to :

- a) Replace or rectify such defect and recover the extra cost involved from the supplier plus additional fifteen percent,
- b) May terminate the contract / order for defaults as per supplier's default liability clause.

- c) Accept the materials at a reduced price considered suitable under the circumstances.

The provision of this clause shall not prejudice BSPTCL right under penalty clause.

1.25 SUPPLIER'S DEFAULT LIABILITY:

- 1.25.1 The BSPTCL may upon written notice of default by the supplier cancel the order in the circumstances. detailed hereunder:-

- a) If in the judgment of the BSPTCL, the supplier fails to make delivery of any or all of that material within the time schedule specified in the contract or within any extension thereof granted by the BSPTCL in writing.

b) If in the judgment of the BSPTCL the supplier fails to comply with & perform any of the obligations under the contract / order.

c) If the supplier in the judgment of the BSPTCL has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

In the event the BSPTCL cancels the order in whole or in part as provided the **paragraph 1.25.1** the BSPTCL reserves the right to procure such material in any manner considered appropriate by BSPTCL and the security deposit of the firm shall be forfeited by the BSPTCL.

1.26 COMPLIANCE WITH ACT:

- 1.26.1 All equipment/materials supplied and all works carried out shall comply in all respects with the requirements of the Indian Electricity Act 2003, Indian Electricity Rules, 1956 or any revisions thereof which may be issued during the currency of the order and with the requirements of any other regulations and Act in India to which the purchaser may be subjected.

1.27 JURISDICTION OF COURT:

- 1.27.1 All disputes, claims, counter claims for and/or against the BSPTCL arising out of agreement/order/contract between the BSPTCL and the supplier/contractor will be subject to the exclusive jurisdiction of civil court, Patna and no other court or Arbitrator.

1.28 FORCE MAJEURE CONDITION:

- 1.28.1 The delivery schedule/ completion period quoted will be under standard force Majeure conditions provided the supplier/ contractor intimates within ten days from beginning of such delay notify the BSPTCL in writing of the cause of delay. BSPTCL will examine individual cases on merit and may take decision for granting extension or reject request of supplier/contractor. Decision of department in this regard will be final and binding to the supplier.

1.29 TECHNICAL PARTICULARS:

- 1.29.1 The tenders who do not comply with the technical particulars enumerated in the Section-II of this specification shall be outright rejected. Bidders are required to abide by the BoM

(Bill of Material) for each type of towers including extension and submit detailed BoM after award of the work. Detailed drawings for 220kV and 132kV tower may be referred from Company's website (<https://www.bsptcl.in/TechnicalInformation.aspx>). The performance particulars as required in the technical specification should be sent along with the tender. Other details not specified but deemed necessary for just understanding of the said offer, may also be given.

1.30 TEST CERTIFICATE:

- 1.30.1 The material shall conform to all type tests as per relevant Indian Standards. Materials shall be conformed for routine and acceptance tests at the manufacturer's works in accordance with the standard adopted and to such other additional tests as may be stipulated in the specification. Materials shall be dispatched only after test certificates are approved.
- 1.30.2 Should the test or operation of any piece of equipment under service show that it does not meet the guarantee and requirements of the requisite specification it will be optional for the BSPTCL to accept or reject the apparatus and direct the tenderer to proceed at once to furnish such new parts as may be necessary to meet the guarantee and other requirements of specification and such additional expenditure will be borne by the supplier.

1.31 DEVIATION FROM SPECIFICATION:

- 1.31.1 The tenderers are advised to submit their offer strictly as per terms of specification. In case, however, any tenderer submits his offer on any such terms deviating from those stipulated in specification, either technical or commercial, the same will be clearly spelt out in the schedule of deviation specifically enclosed for this purpose along with this specification. In case no such deviations are detailed, it will be presumed that the offers have been submitted as per requirement of specification the purchaser may accept minor technical deviations at its discretion, which does not affect overall performance of the equipment as specified in this specification.

1.32 COMPLETENESS OF THE TENDER:

- 1.32.1 All fittings, accessories etc. which might not have been included in this specification but which are usual & necessary to complete the equipment, are to be provided without extra cost. All equipment's must be complete in all respects whether mentioned in the specification or not.

1.33 QUANTITY:

- 1.33.1 The quantity mentioned in the schedule of requirement and desired delivery are tentative and are subject to increase or decrease at the time of placement of order at the desecration of the BSPTCL.

1.34 RAW MATERIALS:

- 1.34.1 No raw materials shall be arranged by the BSPTCL. The tenderers/suppliers will have to arrange all raw materials themselves.

1.35 PROGRESS REPORT:

- 1.35.1 The supply/contractor shall submit to the purchaser at such intervals and in such form as may be required by him, detailed progress reports of the manufacture and/or dispatch of the equipment ordered on him.

1.36 AFFIADAVIT TOWARDS CORRECTNESS OF TEST REPORTS AND DOCUMENTS FURNISHED ALONGWITH TENDERS.

The tenderers shall furnish an affidavit conforming that the test report & documents furnished along with the tender are correct and true copies of originals.

1.37 PROTO INSPECTION:

- 1.37.1 One (01) no. of each type of base tower at each voltage level shall be proto tested at works of the manufacturer prior to mass inspection call.

On inspection and acceptance of proto tested tower sample, manufacturing clearance shall be provided to the manufacturer for mass production and subsequent inspection.

- 1.37.2 Inspection and acceptance of proto type tower shall not relieve the supplier of his obligation of furnishing entire quantity of tower structure in accordance with the specification and shall not prevent subsequent rejection, if the tower material is found to be defective.

1.38 INSPECTION:

The inspection may be carried out by the purchaser at any stage of manufacture. The successful bidder shall grant free access to the purchaser's representative at a reasonable time when the work is in progress. Inspection and acceptance of any equipment under this specification by the purchaser shall not relieve the supplier of his obligation of furnishing equipment in accordance with the specification and shall not prevent subsequent rejection, if the equipment is found to be defective. The supplier shall keep the purchaser informed in advance, about the manufacturing program so that arrangement can be made for inspection.

1.39 QUALITY ASSURANCE PLAN:

- 1.39.1 The bidder shall invariably furnish along with his offer the quality assurance plan adopted by him/his sub-suppliers in the process of manufacturing of all components.

- 1.39.2 Precautions taken to ensure use of quality raw material and sub components shall be indicated in the quality Assurance plan.

1.40 PERFORMANCE GUARANTEE:

The bidder should give details in the offer about the after sales service provided by the bidder within guarantee period and after guarantee period.

The bidder shall be required to give a performance guarantee of at least 36 months from the date of delivery.

1.41 DOCUMENTATION:

The bidder is required to furnish set of test certificates, drawing, literatures and manuals with each unit. Any other information as may be required by the purchaser shall also have to be furnished by the bidder.

1.42 Material for Commissioning / demonstration at site (not required):

All material required for commissioning / demonstration at site shall be supplied by the tenderer / contractor.

1.43 SCHEDULES:

1.43.1 The bidder shall fill in the schedules provided in the specification which form part of the tender specification and offer. In schedule of technical particulars, specific values shall be furnished and only quoting of IS reference is not sufficient. If the schedules are not submitted duly filled in with the offer, the offer shall be liable for rejection.

1.43.2 All deviations from the specification shall be brought out in the schedules of deviation. The discrepancies between the specification and the catalogue/literatures and indicative drawings which are subject to change, submitted as part of the offer shall not be considered and representation in this regard shall not be entertained. If it is observed that there are deviations in the offer, in GTP or elsewhere other than those specified in the deviation schedule, then such deviations shall be treated as deviations.

1.43.3 The bidder shall submit the list of orders so similar type of equipment executed or under execution during the last three years, with full details to enable the purchaser to evaluate the tender and performance certificate from the end users should also be furnished.

1.44 Firms, corporations & companies banned/blacklisted/debarred by the employer or other subsidiary companies of BSPHCL or other state/centre utilities or other government entities cannot participate in the bidding process.

The bidders have to provide an affidavit that they have not been banned/blacklisted/debarred by the Employer or other subsidiary companies of BSPHCL or other state/centre utilities or other Govt. utilities.

SECTION -II

TECHNICAL SPECIFICATION FOR TOWER STRUCTURES **GENERAL TECHNICAL REQUIREMENTS**

1.0 SCOPE:

- 1.1** This section covers the design, engineering, manufacturing, testing at manufacturer's works, supply and delivery of Tower Structures including nuts, bolts, stubs and step bolts. Quantity (in Nos.) of tower material/structure and stubs is as below:

S.N.	Tower Structure	Quantity (in Nos.)
1	220 kV DD+18 type tower with stub	10
2	220 kV DD+25 type tower with stub	10

2.0 GENERAL REQUIREMENT

- 2.1** The bidders shall submit the technical requirements, data and information as per the technical data sheets provided in the bid documents.
- 2.2** The bidders shall furnish catalogues, engineering data, technical information, design documents, drawings etc., fully in conformity with the technical specification.
- 2.3** It is recognized that the Supplier may have standardized on the use of certain components, materials, processes or procedures different from those specified herein. Alternate proposals offering similar equipment based on the manufacturer's standard practice will also be considered provided such proposals meet the specified designs, standard and performance requirements and are acceptable to the Purchaser's. Unless brought out clearly, the Bidder shall be deemed to conform to this specification scrupulously. All deviations from the specification shall be clearly brought out in the schedule to be filled and submitted along with the tender. Any discrepancy between the specification and the catalogues or the bid, if not clearly brought out in the specific requisite schedule, will not be considered as valid deviation.
- 2.4** Equipment furnished shall be complete in every respect with all mountings, fittings, fixtures and standard accessories normally provided with such equipment and/or needed for erection, completion and safe operation of the equipment as required by applicable codes though they may not have been specifically detailed in the Technical Specifications unless included in the list of exclusions. Materials and components not specifically stated in the specification but which are necessary for commissioning and satisfactory operation of the transmission line unless specifically excluded shall be deemed to be included in the scope of the specification and shall be supplied without any extra cost. All similar standard components/parts of similar standard equipment provided, shall be inter-changeable with one another.

3.0 STANDARDS

- 3.1** The works covered by the specification shall be designed, engineered, manufactured, built, tested and commissioned in accordance with the Acts, Rules, Laws and Regulations of India.
- 3.2** The equipment to be furnished under this specification shall conform to latest issue with all amendments (as on the date of bid opening) of standard specified unless specifically mentioned in the specification.
- 3.3** The Bidder shall note that standards mentioned in the specification are not mutually exclusive or complete in themselves, but intended to complement each other.
- 3.4** The Supplier shall also note that list of standards presented in this specification is not complete. Whenever necessary the list of standards shall be considered in conjunction with specific IS/IEC.
- 3.5** When the specific requirements stipulated in the specifications exceed or differ than those required by the applicable standards, the stipulation of the specification shall take precedence.

3.6 The bidder shall clearly indicate in his bid the specific standards in accordance with which the works will be carried out.

4.0 SERVICES TO BE PERFORMED BY THE STRUCTURE BEING FURNISHED

4.1 The structure furnished under this specification shall perform all its functions and operate satisfactorily without showing undue strain, restrike etc under such over voltage conditions.

4.2 All materials shall also perform satisfactorily under various other electrical, electromechanical and meteorological conditions of the site of installation.

4.3 All materials shall be able to withstand all external and internal mechanical, thermal and electromechanical forces due to various factors like wind load, temperature variation, ice & snow, (wherever applicable) short circuit etc for the equipment.

4.4 EHV system shall be designed to meet the following major technical parameters as brought out hereunder.

4.4.1 System Parameter

Sl. No.	Description of parameters	132 kV System	220 kV System
1.	System operating voltage	132kV	220 kV
2.	Maximum operating voltage of the system(rms)	145kV	245 kV
3.	Rated frequency	50Hz	50 Hz
4.	No. of phase	3	3
5.	Rated Insulation levels		
i)	Full wave impulse withstand voltage (1.2/50 microsec.)	650 kVp	1050 kVp
ii)	Switching impulse withstand voltage (250/2500 micro sec.) dry	-	-
iii)	One minute power frequency dry withstand voltage (rms)	-	-
iv)	One minute power frequency dry and wet withstand voltage (rms)	275kV	460 kV
6.	Corona extinction voltage	105kV	156 kV
7.	Max. radio interference voltage for frequency between 0.5 MHz and 2 MHz at 508 kV rms for 765kV, 320KV rms for 400KV system and 156KV rms for 220KV system & 92 KV rms for 132KV system	500 micro-volt	1000 micro-volt
8.	Minimum creepage distance	25 mm/KV (3625 mm)	25 mm/KV (6125 mm)
9.			
i.	Phase to phase	1300 mm	2100 mm
ii.	Phase to earth	1300 mm	2100 mm
iii.	Sectional clearances	4000 mm	5000 mm
10.	Rated short circuit current for 1 sec. Duration	31.5 KA	40 KA
11.	System neutral earthing	Effectively Earthed	Effectively Earthed

5.0 ENGINEERING DATA AND DRAWINGS

5.1 The engineering data shall be furnished by the Supplier in accordance with the Schedule for each set of equipment as specified in the Technical Specifications.

5.2 The list of drawings/documents are required to be submitted to the Purchaser in line with stipulated BoM and drawings enclosed along with tender. The Supplier shall necessarily submit all the drawings/documents unless anything is waived.

The Supplier shall submit 4 (four) sets of drawings/ design documents/data/ test reports in Hard and soft copies for the approval of the Purchaser.

5.3 Drawings

5.3.1 All drawings submitted by the Supplier including those submitted at the time of bid shall be in sufficient detail to indicate the type, size, arrangement, material description, Bill of Materials, weight of each component, break-up for packing and shipment, dimensions, internal & the external connections, fixing arrangement required and any other information specifically requested in the specifications.

5.3.2 Each drawing submitted by the Supplier shall be clearly marked with the name of the Purchaser, the unit designation, the specifications title, the specification number and the name of the Project. If standard catalogue pages are submitted, the applicable items shall be indicated therein. All titles, noting, markings and writings on the drawing shall be in English. All the dimensions should be in metric units.

5.3.3 Further supply by the Supplier shall be in strict accordance with these drawings and no deviation shall be permitted without the written approval of the Purchaser, if so required.

5.4 The review of these data by the Purchaser will cover only general conformance of the data to the specifications and documents, interfaces with the equipment provided under the specifications, external connections and of the dimensions which might affect substation layout. This review by the Purchaser may not indicate a thorough review of all dimensions, quantities and details of the equipment, materials, any devices or items indicated or the accuracy of the information submitted. This review and/or approval by the Purchaser shall not be considered by the Supplier, as limiting any of his responsibilities and liabilities for mistakes and deviations from the requirements, specified under these specifications and documents.

5.5 All manufacturing and fabrication work in connection with the equipment prior to the approval of the drawings shall be at the Supplier's risk. Approval of Supplier's drawing or work by the Purchaser shall not relieve the Supplier of any of his responsibilities and liabilities under the Contract.

5.6 All engineering data submitted by the Supplier after final process including review and approval by the Purchaser shall form part of the Contract Document and the entire works Performed under these specifications shall be performed in strict conformity, unless otherwise expressly requested by the Purchaser in Writing.

5.7 Approval Procedure

All engineering drawings and design documents to be submitted within any delay after award of work.

NOTE :

(1) The instruction Manuals shall contain full details of drawings of structure being supplied under this contract, their exploded diagrams with complete instructions for storage, handling, and operation.

5.8 The Supplier shall have to furnish details and documents required as per specifications for release of advance.

6.0 MATERIAL/ WORKMANSHIP

6.1 General Requirement

6.1.1 Where the specification does not contain references to workmanship, equipment, materials and components of the covered equipment, it is essential that the same must be new, of highest grade of the best quality of their kind, conforming to best engineering practice and suitable for the purpose for which they are intended.

6.1.2 In case where the equipment, materials or components are indicated in the specification as "similar" to any special standard, the Purchaser shall decide upon the question of similarity. When required by the specification or when required by the Purchaser the Supplier shall submit, for approval, all the information concerning the materials or components to be used in manufacture. Machinery, equipment, materials and components supplied, installed or used without such approval shall run the risk of subsequent rejection, it being understood that the cost as well as the time delay associated with the rejection shall be borne by the Supplier.

6.1.3 The design of the Works shall be such that installation, future expansions, replacements and general maintenance may be undertaken with a minimum of time and expenses. Each component shall be designed to be consistent with its duty and suitable factors of safety, subject to mutual agreements. All joints and fastenings shall be devised, constructed and documented so that the component parts shall be accurately positioned and restrained to fulfill their required function. In general, screw threads shall be standard metric threads. The use of other thread forms will only be permitted when prior approval has been obtained from the Purchaser.

6.1.4 Whenever possible, all similar part of the Works shall be made to gauge and shall also be made interchangeable with similar parts. All spare parts shall also be interchangeable and shall be made of the same materials and workmanship as the corresponding parts of the Equipment supplied under the Specification. Where feasible, common component units shall be employed in different pieces of equipment in order to minimize spare parts stocking requirements. All equipment of the same type and rating shall be physically and electrically interchangeable.

6.1.5 All materials and equipment shall be manufactured in strict accordance with the BSPTCL specification. Only first-class work in accordance with the best modern practices will be accepted.

6.2 Provisions For Exposure to Hot and Humid climate Structures supplied under the specification shall be suitable for service and storage under tropical conditions of high temperature, high humidity, heavy rainfall and environment favorable to the growth of fungi and mildew.

7.0 DESIGN IMPROVEMENTS / COORDINATION

7.1 The bidder shall note that the structure offered by him in the bid only shall be accepted for supply. However, the Purchaser or the Supplier may propose changes in the specification of the equipment or quality thereof and if the Purchaser & Supplier agree upon any such changes, the specification shall be modified accordingly.

7.2 If any such agreed upon change is such that it affects the price and schedule of completion, the parties shall agree in writing as to the extent of any change in the price and/or schedule of completion before the Supplier proceeds with the change. Following such agreement, the provision thereof, shall be deemed to have been amended accordingly.

7.3 The Supplier shall be responsible for the selection and design to provide the best co-ordinated performance of the entire system. The basic design requirements are detailed out in this Specification. The design of various components, sub-assemblies and assemblies shall be so done that it facilitates easy field assembly and maintenance.

8.0 QUALITY ASSURANCE PROGRAMME

8.1 To ensure that the material and services under the scope of this Contract are in accordance with the specifications, the Supplier shall adopt suitable quality assurance programme to control such activities at all points necessary. A quality assurance programme of the Supplier shall generally cover the following:

(a) His organization structure for the management and implementation of the proposed quality assurance programme:

(b) Documentation control system;

(c) Qualification data for bidder's key personnel;

(d) The procedure for purchases of materials, parts components and source inspection, incoming raw material inspection, verification of material purchases etc.

(e) Process controls and fabrication and assembly control;

(f) Inspection and test procedure for manufacture .

(g) Control of calibration and testing of measuring instruments;

(h) System for indication and appraisal of inspection status;

(i) System for quality audits;

(j) System for authorizing release of manufactured product to the Purchaser;

(k) System for maintenance of records;

(l) System for handling storage and delivery; and

(m) A quality plan detailing out the specific quality control measures and procedures adopted for controlling the quality characteristics relevant to each item of equipment furnished and/or services rendered.

The Purchaser or his duly authorized representative reserves the right to carry out quality audit and quality surveillance of the system and procedure of the Supplier's quality management and control activities.

8.2 Quality Assurance Documents

The Supplier would be required to submit all the Quality Assurance Documents as stipulated in the Quality Plan at the time of purchaser's inspection of equipment/material

9.0 TYPE TESTING, INSPECTION, TESTING & INSPECTION CERTIFICATE

9.1 All equipment being supplied shall conform to type tests including additional type tests as per technical specification and shall be subject to routine tests in accordance with requirements stipulated under respective sections. Purchaser reserves the right to witness any or all the type tests. The Supplier shall intimate the Purchaser the detailed program about the tests at least three (3) weeks in advance. This shall conform to the details provided in this specifications.

10.0 PROTO INSPECTION:

10.1 One (01) no. of DA+3m or DA+6m type tower at each voltage level shall be proto tested at works of the manufacturer prior to mass inspection call.

On inspection and acceptance of proto tested tower sample, manufacturing clearance shall be provided to the manufacturer for mass production and subsequent inspection.

10.2 Inspection and acceptance of proto type tower shall not relieve the supplier of his obligation of furnishing entire quantity of tower structure in accordance with the specification and shall not prevent subsequent rejection, if the tower material is found to be defective.

11.0 PACKAGING & PROTECTION

11.1 All tower structures shall be suitably protected, coated, covered or boxed and crated to prevent damage or deterioration during transit, handling and storage at Site. On request of the Purchaser, the Supplier shall also submit packing details/associated drawing for any equipment/material under his scope of supply, to facilitate the Purchaser to re-pack any equipment/material at a later date, in case the need arises. While packing all the materials, the limitation from the point of view of availability of Railway wagon sizes in India should be taken into account. The Supplier shall be responsible for any loss or damage during transportation, handling and storage due to improper packing. Any demurrage, wharfage and other such charges claimed by the transporters, railways etc. shall be to the account of the Supplier. Purchaser takes no responsibility of the availability of the wagons.

11.2 All coated surfaces shall be protected against abrasion, impact, discolouration and any other damages. All exposed threaded portions shall be suitably protected with either a metallic or a non-metallic protecting device.

12.0 FINISHING OF METAL SURFACES

12.1 All metal surfaces shall be subjected to treatment for anti-corrosion protection. All ferrous surfaces for external use unless otherwise stated elsewhere in the specification or specifically agreed, shall be hot-dip galvanized after fabrication. High tensile steel nuts & bolts and spring washers shall be electro galvanized to service condition.

12.2 HOT DIP GALVANISING

12.2.1 The minimum weight of the zinc coating shall be 610 gm/sq. m and minimum thickness of coating shall be 85 microns for all items thicker than 6mm. For items lower than 6mm thickness requirement of coating thickness shall be as per relevant ASTM. For surface which shall be embedded in concrete, the zinc coating shall be 610 gm/sq. m minimum.

12.2.2 The galvanized surfaces shall consist of a continuous and uniform thick coating of zinc, firmly adhering to the surface of steel. The finished surface shall be clean and smooth and shall be free from defects like discoloured patches, bare spots, unevenness of coating, spelter which is loosely attached to the steel globules, spiky deposits, blistered surface, flaking or peeling off, etc. The presence of any of these defects noticed on visual or microscopic inspection shall render the material liable to rejection.

12.2.3 After galvanizing, no drilling or welding shall be performed on the galvanized parts of the equipment excepting that nuts may be threaded after galvanizing. Sodium dichromate treatment shall be provided to avoid formation of white rust after hot dip galvanization.

12.2.4 The galvanized steel shall be subjected to six one minute dips in copper sulphate solution as per IS-2633.

- 12.2.5 Sharp edges with radii less than 2.5 mm shall be able to withstand four immersions of the Standard Preece test. All other coatings shall withstand six immersions. The following galvanizing tests should essentially be performed as per relevant Indian Standards.
- Coating thickness
 - Uniformity of zinc
 - Adhesion test
 - Mass of zinc coating
- 12.2.6 Galvanized material must be transported properly to ensure that galvanized surfaces are not damaged during transit. Application of zinc rich paint at site shall not be allowed.

12.3 PAINTING

- 12.3.1 All sheet steel work shall be degreased, pickled, phosphate in accordance with the IS-6005 "Code of practice for phosphating iron and sheet". All surfaces, which will not be easily accessible after shop assembly, shall before hand be treated and protected for the life of the equipment. The surfaces, which are to be finished painted after installation or require corrosion protection until installation, shall be shop painted with at least two coats of primer. Oil, grease, dirt and swaf shall be thoroughly removed by emulsion cleaning. Rust and scale shall be removed by pickling with dilute acid followed by washing with running water, rinsing with slightly alkaline hot water and drying.
- 12.3.2 After phosphating, thorough rinsing shall be carried out with clean water followed by final rinsing with dilute dichromate solution and oven drying. The phosphate coating shall be sealed with application of two coats of ready mixed, stoving type zinc chromate primer. The first coat may be "flash dried" while the second coat shall be stoved.
- 12.3.3 After application of the primer, two coats of finishing synthetic enamel paint shall be applied, each coat followed by stoving. The second finishing coat shall be applied after inspection of first coat of painting.
- 12.3.4 In case the Bidder proposes to follow his own standard surface finish and protection procedures or any other established painting procedures, like electrostatic painting etc., the procedure shall be submitted alongwith the Bids for Purchaser's review & approval.

13.0 HANDLING, STORING AND INSTALLATION

- 13.1 In accordance with the specific installation instructions as shown on Manufacture's drawings or as directed by the Purchaser or his representative, the Supplier shall unload and store all the structures supplied in the contract.
- 13.2 Supplier will supervise the unloading, transportation to site and storing of structures being supplied by them.
- 13.3 Supplier shall be held responsible for any damage to the structure consequent to not following drawings/instructions correctly.
- 13.4 Supplier shall be responsible for examining all the shipment and notify the Purchaser immediately of any damage, shortage, discrepancy etc. for the purpose of Purchaser's information only. Supplier shall be solely responsible for any shortages or damages in transit, handling and/or in storage. Any demurrage, wharfage and other such charges claimed by the transporters, railways etc. shall be to the account of the Supplier.
- 13.5 The Supplier shall be fully responsible for the equipment/material until the same is handed over to the Purchaser.

- 13.6 The design and workmanship shall be in accordance with the best engineering practices to ensure satisfactory performance throughout the service life.

14.0 **STANDARDS:**

The Indian Standard Specifications (IS) mentioned below as amended up to date shall be applicable for the materials to be utilized on 220kV and 132 kV transmission line towers.

S. No.	Indian Standard	Title
1.	IS:2062-2006	Weldable Structural Steel Mild Steel Grade E250 & yield strength 2550kg/cm ² and HT steel of Grade E350 & yield strength 3565kg/cm ²
2.	IS:802	Code of practice for use of structural steel in overhead transmission line towers Part-I -Load and permissible stresses, Part-II -Fabrication galvanizing, inspection and packing & Part-III -Testing
3.	IS:808	Dimensions for hot rolled steel beam, column channel and angle sections.
4.	IS:6639	Hexagonal bolts for steel structures
5.	IS:12427	Transmission tower bolts.
6.	IS:10238	Step bolts for steel structures.
7.	IS:1367 Part-III Part-VI	Technical supply conditions for threaded steel fasteners Mechanical properties & Test methods for bolts, screws & studs with fully load ability. Mechanical properties & Test methods for nuts with full load ability
8.	IS:2016	Plain Washers.
9.	IS:5369	General requirement for plain washer and lock washers
10.	IS:4072	Steel for spring washers.
11.	IS:3063	Single Coil Rectangular Section, Spring Washers for Bolts, Nuts & Screws.
12.	IS:6821	Methods for sampling non threaded washers.
13.	IS:1573	Electro plated coating for zinc on iron and steel.
14.	IS:2486	Insulator fittings for overhead transmission lines with a nominal voltage greater than 1000V Part-I General requirements and tests, Part-II Dimensional requirements, Part-III Locking devices, Part-IV Tests for locking devices
15.	IS-2004	Carbon steel forging for General Engineering purposes.
16.	IS-2633	Methods of Testing Uniformity of Coating on Zinc Coated Articles.

15. **MATERIALS :**

- a) The tower members including the cross-arms shall be made of open hearth structural steel section conforming to the IS-2062/2006 latest amended edition. The tower shall be of steel structure and its members shall be fully galvanized along with.

- b) Procurement of zinc & all the steel-material (both Mild and HT) required for the fabrication of towers such as angles, plates, flats, rounds etc. shall be arranged by the bidder at his cost. The rate quoted for supply of towers shall include the cost of both Mild and HT steel & cost of zinc also. The procurement of Mild and HT steel sections used shall be the responsibility of the supplier and the purchaser will not be responsible for any extra cost of any type due to replacement of designed section by higher section in case of non-availability of designed sections.
- c) The bidder shall make his own arrangements for the procurement, before commencement of work, of sufficient quantity of electrolytic zinc of proper quality for galvanizing tower parts. The purchaser shall be at liberty to have the samples of steel & zinc used, test checked in any laboratory at his own cost and reject the particular supply if it is below standard.
- d) All raw material required for the fabrication and galvanization etc., and for complete execution of work shall be stocked in adequate quantity by the bidder to ensure that the progress of the work is not jeopardized. No relaxation in the delivery time shall be allowed on the pretext of non-availability or short supply of raw materials.

16. TOWERS:

A. The Normal base towers that shall be used are specified below:

- a) Tower Type A “Tangent Tower with Suspension strings”:-
These are tangent towers for use on straight run and also for line deviation up to 2 degree with normal span. These towers shall be used for smaller deviation and longer span.

17. WEIGHTS :

The weight of each type of towers, extensions & stub setting template has been indicated in the **tender** and these weights shall be ceiling for payment purpose. The bidders are required to quote per M.T. rate for fabrication, galvanization and supply of these towers on F.O.R. Destination basis.

18. DRAWINGS AND MODEL ASSEMBLY:

Drawings of Stubs, Stub Setting Templates, structures, +3M, +6M Extension and tower accessories etc. are indicated in the tender and the bidder shall develop the shop drawings of individual members based on these drawings. The successful bidder shall offer one proto type model assembly for DA+6m & stub setting template (if any) for checking/approval before commencement of mass fabrication. Such model assembly shall form part of the supply. After clearance of model assembly supplier shall furnish 4 sets of approved bill of material along with their reproducible prints for our field use.

19. FABRICATION AND WORKMANSHIP :

The fabrication of towers shall be in accordance with the following:

- i) All parts of the towers shall be fabricated in accordance with the shop drawings prepared on the basis of structural Drawings to be supplied by the purchaser. Shop drawings, containing complete information necessary for fabrication of the component parts of the structures shall be prepared. These drawings shall clearly show the member sizes, length and back marks, hole positions gauge lines, bend lines, edge distances, amount of clipping, notching etc.
- ii) In the case of members to be bent, the shop drawings will indicate provision for the variation in length to be made.
- iii) Tower shall be of bolted construction. Unless otherwise specified, welding at any point shall not be permitted.

- iv) Normally butt splices shall be used and thickness of the inside angle cleat shall not be less than that of the heavier member connected, lap splices may be used for connecting members of unequal size and the inside angle of lap splice shall be grinded at the heel to fit the fillet of the outside angle. All splices shall develop full stress in the members connected through bolts. But as well as lap splices shall be made above and as close to the main panel points as possible.
- v) No bolt holes shall be more than 1.5 mm larger than the corresponding bolt diameter.
- vi) The structure shall be so designed that all parts shall be accessible for inspection and cleaning. Drain holes shall be provided at all points where pockets or depressions are likely to hold water.
- vii) Workmanship and finishing shall correspond to the best modern transmission line practice. All similar parts shall be made strictly interchangeable. All steel sections, before any work is done on them, shall be carefully leveled, straightened and made true to method which shall not injure the material so that when assembled the adjacent surfaces are in close contact throughout. No rough edges shall be permitted anywhere throughout the work.
- viii) Cutting may be effected by shearing, cropping, flame cutting or sawing. The surfaces so cut shall be clean, smooth, reasonably, square and free from any distortion.
- ix) The other details shall be as per IS:802(Part-II)-1978. latest amended.

20. DRILLING AND PUNCHING:

- a) All steel sections before any cutting work is started shall be carefully straightened and trued by pressure and not by hammering. They shall again be trued up after being punched and drilled. No rough edges fresh from shears shall be left. All sheared and cut ends shall be flaked off.
- b) Holes for bolts shall be drilled or punched to jig, but drilled holes shall be preferred. All holes in material over 12 mm thick must be drilled through the plates and sections forming the joint in one operation. The holes near the end line of a bent member, on both sides of bend line, shall be punched/ drilled after bending and relative position of these holes shall be maintained with the use of proper template/jigs and fixtures.
- c) Punched holes must be square with the plates and the walls of the holes parallel. The following maximum tolerance in accuracy of punched holes is permissible.
 - i) Holes must be perfectly circular and no tolerance in this respect is permissible.
 - ii) The maximum allowable difference in diameter of the holes on the two sides of plates or angles is 0.8mm i.e., the allowable taper in a punched hole should not exceed 0.8mm on diameter.
 - iii) Holes must be square with the plates or angles and plate holes will not be permitted. All burrs left by drill or punch shall be removed completely. The bidder shall state clearly the extent of punching covered by this bid. When the tower members are in position, the holes shall be truly opposite to each other. Drifting or reaming to enlarge defective holes shall not be permitted. Minimum edge distance from the center of any holes shall not be less than what has been indicated in IS 802 Part-II 1978 latest amended.

Bolt holes whether punched or drilled must be larger than the sizes of bolts they have to take, and shall not be more than 1.5mm larger in diameter than the diameter of the bolts.

21. ERECTION MARK:

Each individual tower member shall carry a code number conforming to the component number given to it in the fabrication drawings/ bill of material. The code number of approved sizes shall be stamped with a metal die on the member before galvanizing and shall be legible after galvanizing. The letter A indicating the type of towers shall precede the code number. The name of the manufacturers in suitable code shall also be stamped with metal die. These markings shall be with marking dies of 16 mm size.

22. GALVANISING:

All members of the tower and their extensions shall be galvanized. Galvanizing shall be done after all fabrication work is completed. Galvanizing of the members of the tower shall conform to IS-4759-1968 latest amended.

23. PACKING:

The material shall be boxed or bundled for transport in following manner.

- a) Angles shall be packed in bundles securely wrapped four times around at each end and every feet with No.9 SWG Gauge Wire with ends twisted tightly. Gross weight of any bundle shall not exceed approximately 450 kg and the length of any individual member 6000mm.
- b) Cleat angles brackets, fillers, plates and similar small loose pieces shall be rested and bolted together in multiple and securely wired together through holes, wrapped round at least four times with No.7 SWG Gauge wire and ends twisted tightly. Gross weight of any bundle shall not exceed approximately 70kg.
- c) Flat washers & other attachments such as Hangers, U-Bolts, D-Shackles etc. shall be packed in double gunny bags accurately tagged in accordance with the contents.
- d) The packing shall avoid losses/damages during transit.

24. MARKING OF PACKING:

- a) Each bundle or package shall have the following marking on it:
 - 1) The detail and designation of the consignee (to be intimated by the purchaser.)
 - 2) Ultimate destination as required by the purchaser.
 - 3) The relevant marks and number of tower members, or reference number of small components like gusset plates various attachments etc., for each identification.
- b) The marking shall be stenciled in indelible ink on the top members in the bundles of tower steel and on wooden boxes or gunny bags containing smaller components.

ANNEXURE - A

LIST OF SPECIFICATIONS GENERAL STANDARDS AND CODES

India Electricity Rules		
Indian Electricity Act		
Indian Electricity (Supply) Act		
Indian Factories Act		
IS-5,	-	Colors for Ready Mixed Paints and Enamels.
IS-335,	-	New Insulating Oils.
IS-617,	-	Aluminum and Aluminum Alloy Ingots and Castings for General Engineering Purposes
CSA-Z299.1-1978h	-	Quality Assurance Program Requirements
CSA-Z299.2-1979h	-	Quality Control Program Requirements
CSA-Z299.3-1979h	-	Quality Verification Program Requirements
CSA-Z299.4-1979h	-	Inspection Program Requirements
Galvanizing		
IS-209	-	Zinc Ingot
IS-2629	-	Recommended Practice for Hot-Dip galvanizing on iron and steel.
IS-2633	-	Methods for testing uniformity of coating of zinc coated articles.
ASTM-A-123	-	Specification for zinc (Hot Galvanizing) Coatings, on products Fabricated from rolled, pressed and forged steel shapes, plates, bars and strips.
ASTM-A-121-77	-	Zinc-coated (Galvanized) steel barbed wire
Painting		
IS-6005	-	Code of practice for phosphate of iron and steel.
ANSI-Z551	-	Gray finishes for industrial apparatus and equipment
SSPEC	-	Steel structure painting council

SECTION – III

FORMATS

CONTRACT FORM FOR AGREEMENT

This contract made thisonly of of Two thousand between the Bihar State Power transmission Company Limited, constituted under The Bihar State Electricity Reforms Transfer scheme 2012, vide notification no 17 date 30.10.2012 of the Department of Energy Govt of Bihar on the one part and Sri in his own behalf and on behalf of other member of the Joint family /proprietor of the firmS/O. Sri by religionP.O.P.S. District in the State of.....at present residing at village/Town..... P.O..... P.S. Districtor as partnership firm/Joint stock company duly registered under the Indian Partnership Act. 1932/Indian company Act. 1913/1956 bearing registration No.19 with the Registrar of Firms/Registrar of Joint Stock Companies atin the state of and having its registered office at acting through its. namely SriS/O Permanent resident of village /TownP.O..... P.S. District in the State of.....at present residing at village/Town..... P.O..... P.S. District (hereinafter referred to as the "contractor/Supplier", which expression, shall unless excluded by or repugnant to the context including his/heirs, legal representative, successors, executors, administrators and permitted assigns) on the other part. Whereas the Bihar State Power transmission Company Limited agrees to award the complete work of and the supplier/Contractor has agreed to execute the said work in accordance with Bihar State Power transmission Company Limited notice inviting Tender No. general conditions of tender and the bill of quantity and Contractor/Supplier proposal No dated and on the following terms and conditions.

- i) The contractor/supplier agrees to execute the above work and deliver the above said materials in conformity with the provisions of the general conditions of NIT and other documents referred to above which forms a part of this contract within months from execution of this contract/ from the date of work order.
- ii) The Bihar State Power transmission Company Limited hereby agrees to pay to the Contractor/Supplier on due performance of the contract, price of Rs

iii) from the Bihar State Power transmission Company Limited fund in the manner and in accordance with the terms specified in the NIT as also in the P.O./W.O. No. dated/ to be issued.

iv) Other conditions, if any, to be mentioned

In witness whereof the said Parties hereto have hereunto set and subscribed their respective hand and seal the day and year first above written.

I signed by/or on behalf of the contractor/supplierAuthorised by the Contractor/supplier under deed of dated (Strike off the words not needed. Where the signature is made under authorization made by a deed resolution, the consumer should furnish an attested copy of such deed/ resolution)

Signature on behalf of the BSPTCL

Signature on the behalf of the Supplier/Contractor

(Seal of the Contractor/Supplier)

1. Witness

1. Witness

2. Witness

2. Witness

APPENDIX-II
On Non-Judicial Stamp Paper of Rs.1000/- Only.
For "SECURITY BG"

FORM OF GUARANTEE BOND
(TO BE USED BY APPROVED SCHEDULED BANK)

THIS DEED OF GUARANTEE IS MADE THISday
of20....., Between.....

(Name of the Bank and its constitution with

.....
detailed address including its head office)

(hereinafter called "the bank" which expression shall, where the context so admits include its successor and permitted assign) of the one part and the Bihar State Power (Holding) company Ltd, being the company constituted under The Bihar State Electricity Reforms Transfer scheme 2012, vide notification no 17 date 30.10.2012 of Department of Energy GOB, having its head office at Bailey Road, Patna (hereinafter called "the BSPTCL" which expression shall, where the context so admits include its successor and permitted assign) of the other part,

1. WHEREAS,(name of the contractor or supplier if a Co.) being a company registered under the Indian Companies Act having its registered office at(name of the contractor or supplier if a partnership firm) bearing registration no of the year with the registrar of firms at and having its registered office at

.....(name of the contractor or supplier if individual) father's name resident of P.S.District..... and having its principal place of business at (Hereinafter called "The said contractor(s)/ the said supplier") entered into an Agreement No. dated with the BSPTCL for (Hereinafter called "The said agreement") has been placed an Order No. dated for the supply of to the BSPTCL (hereinafter called "The said Purchase Order").

2. WHEREAS in accordance with clause number of the said agreement/ the said purchase order, the said contractor(s)/ the said supplier(s) is required to deposit with the BSPTCL Rs. only as cash security for the due performance of the terms & conditions of the said agreement/ the said purchase order.

AND WHEREAS in accordance with clause number of the said agreement/ the said purchase order, the Bank has at the request of the said contractor(s)/ the said supplier(s) agreed to give their guarantee and the BSPTCL has agreed to accept the said bank guarantee for the aforesaid sum.

NOW THESE PRESENT WITNESSETH AS FOLLOWS:

In consideration of the BSPTCL having agreed to exempt the said contractor(s)/ the said supplier(s) from the demand under terms and conditions of the said contractor/ the said purchase order of security deposit for the due fulfillment by the said contractor(s)/ the said supplier(s) of the terms and conditions in the said agreement/ the said purchase order on production of a bank guarantee for Rs.(Rupees

..... only), We,

.....(name of the Bank) do hereby undertake to pay to the BSPTCL an amount not exceeding Rs. against any loss or damage on non-payment caused to or suffered or would be caused to or suffered by the BSPTCL by reason of any breach by the said contractor(s)/ the said supplier(s) of any of the terms and conditions contained in the said agreement/ the said purchase order.

3. We, (Name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the BSPTCL stating that amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the BSPTCL by reason of any breach of the said contractor(s)/ the said supplier(s) of any of the terms and conditions contained in the said agreement/ the said purchase order or by reason of the said contractor/ the said supplier(s) failure to perform the said agreement/ the said purchase order. Any such demand on the Bank shall be conclusive as regard the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.

4. We, (Name of the Bank) further agree that the guarantee herein contained remain in full force and effect during the period that would be taken for the performance of the said agreement/ the said purchase order and that it shall continue to be enforceable till all the dues of the BSPTCL under or by virtue of the said agreement/ the said purchase order has been fully paid and its claims satisfied or discharged or till the BSPTCL certifies that the terms and conditions of the said agreement/ the said purchase order fully and properly carried out by the said contractor(s)/ the said supplier(s) and accordingly discharges the guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before , We shall be discharged from all liability under this guarantee thereafter.

5. We, (Name of the Bank) further agree with the BSPTCL that the BSPTCL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement/ the said purchase order or to extend time of performance by the said contractor(s)/ the said supplier(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the BSPTCL against the said contractor(s)/ the said supplier(s) and to forbear or enforce any of the terms and conditions relating to the said agreement/ the said purchase order and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor(s)/ the said supplier(s) or for any forbearance, act or omission on the part of the BSPTCL or any indulgence by the BSPTCL to the said contractor(s)/ the said supplier(s) or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

6. We,..... (Name of the Bank) Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the BSPTCL in writing.

Date The _____ day of _____ 20_____

For _____ Bank.

On Non-Judicial Stamp Paper of Rs.1000/- Only.

For "PAYMENT /PERFORMANCE BG"

FORM OF GUARANTEE BOND

(TO BE USED BY APPROVED SCHEDULED BANK)

THIS DEED OF GUARANTEE IS MADE THISday
of20....., Between.....

(Name of the Bank and its constitution with

.....

detailed address including its head office)

(hereinafter called "the bank" which expression shall, where the context so admits include its successor and permitted assign) of the one part and the Bihar State Power (Holding) company Ltd being the company constituted under The Bihar State Electricity Reforms Transfer scheme 2012, vide notification no 17 date 30.10.2012 of Department of Energy GOB, having its head office at Bailey Road, Patna (hereinafter called "the BSPTCL" which expression shall, where the context so admits include its successor and permitted assign) of the other part,

1. WHEREAS,(name of the contractor or supplier if a Co.) being a company registered under the Indian Companies Act having its registered office at(name of the contractor or supplier if a partnership firm) bearing registration no of the year with the registrar of firms at and having its registered office at

.....(name of the contractor or supplier if individual) father's name resident of P.S.District..... and having its principal place of business at (Hereinafter called " The said contractor(s)/ the said supplier") entered into an Agreement No. dated with the BSPTCL for (Hereinafter called "The said agreement") has been placed an Order No. dated for the supply of to the BSPTCL (hereinafter called "The said Purchase Order").

2 WHEREAS in accordance with clause number of the said agreement/ the said purchase order, the BSPTCL has agreed to make a payment/ advance payment to the said contractor(s)/ the said supplier(s) of Rs. being equivalent to percent of the value of contract under the said agreement/ the said purchase order and bearing interest at percent per annum, on presentation by the said contractor(s)/ the said supplier(s) of the bank guarantee duly approved by the BSPTCL for the said amount. AND WHEREAS in accordance with clause number of the said agreement/ the said purchase order, the Bank has at the request of the said contractor(s)/ the said supplier(s) agreed to give their guarantee and the BSPTCL has agreed to accept the said bank guarantee for the aforesaid sum.

NOW THESE PRESENT WITNESSETH AS FOLLOWS:

In consideration of the BSPTCL having agreed to make an advance payment to the said contractor(s)/ the said supplier(s) of Rs. as per terms and conditions mentioned in the said agreement/ the said purchase order on production of a bank guarantee for Rs.(Rupeesonly) We,

.....(name of the Bank) do hereby undertake to pay to the BSPTCL an amount not exceeding Rs. against any loss or damage on non-payment caused to or suffered or would be caused to or suffered by the BSPTCL by reason of any breach by the said contractor(s)/ the said supplier(s) of any of the terms and conditions contained in the said agreement/ the said purchase order.

3 We, (Name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the BSPTCL stating that amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the BSPTCL by reason of any breach of the said contractor(s)/ the said supplier(s) of any of the terms and conditions contained in the said agreement/ the said purchase order or by reason of the said contractor/ the said supplier(s) failure to perform the said agreement/ the said purchase order. Any such demand on the Bank shall be conclusive as regard the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.

4. We, (Name of the Bank) further agree that the guarantee herein contained remain in full force and effect during the period that would be taken for the performance of the said agreement/ the said purchase order and that it shall continue to be enforceable till all the dues of the BSPTCL under or by virtue of the said agreement/ the said purchase order has been fully paid and its claims satisfied or discharged or till the BSPTCL certifies that the terms and conditions of the said agreement/ the said purchase order fully and properly carried out by the said contractor(s)/ the said supplier(s) and accordingly discharges the guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before , We shall be discharged from all liability under this guarantee thereafter.

5. We, (Name of the Bank) further agree with the BSPTCL that the BSPTCL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement/ the said purchase order or to extend time of performance by the said contractor(s)/ the said supplier(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the BSPTCL against the said contractor(s)/ the said supplier(s) and to forbear or enforce any of the terms and conditions relating to the said agreement/ the said purchase order and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor(s)/ the said supplier(s) or for any forbearance, act or omission on the part of the BSPTCL or any indulgence by the BSPTCL to the said contractor(s)/ the said supplier(s) or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

6. We,..... (Name of the Bank) Bank lastly undertakes not to revoke this guarantee during its currency except with the previous consent of the BSPTCL in writing.

Date The _____ day of _____ 20_____

For _____ Bank.

**PROFORMA OF BANK GUARANTEE
FOR EARNEST MONEY.**

(To be submitted by the Bidder along with his Bid)

(To be stamped in accordance with stamp Act.)

The non-Judicial stamp paper should be in the name of issuing bank.

Ref:..... Bank Guarantee No..... Date.

To,

Sr. Manager (Finance and Accounts)
Bihar State Power Transmission Co. Ltd.
Vidyut Bhawan, J.L. Nehru Marg.
Patna - 800 021.

Dear Sir,

In accordance with invitation to Bid under your Specification against N.I.T. No.....M/s..... having its Registered/Head Office at (Hereinafter called the 'Bidder') wish to participate in the said Bid or..... and you, as a special favour have agreed to accept an irrevocable and unconditional bank guarantee for an amount of Valid up to..... on behalf of Bidder in lieu of the Earnest Money required to be made by the bidder, as a condition precedent for participation in the said Bid.

We, the Bank at having our Head Office at (local address) guarantee and undertake to pay immediately on demand by Bihar State Power Transmission Co. Ltd. the amount of (in words and figures) without any reservation, protest, demur and recourse. Any such demand made by said 'Owner' should be conclusive and binding on us irrespective of any dispute or difference raised by the Bidder.

This Guarantee shall be irrevocable and shall remain valid up to and including @ If any further extension of this guarantee is required, the same shall be extended to such required period (not exceeding one year) on receiving instructions from M/s on whose behalf this guarantee is issued.

In witness where of the Bank, through its authorized officer, has set its hand and stamp on this day of 20 at.

WITNESS

(Signature)

(Name)

(Official Address)

(Signature)

(Name)

(Designation with Bank Stamp)

Attorney as per power of

Attorney No.

Date.

@ This date shall be sixty (60) days after the last date for which the bid is valid.

INSURANCE PROFORMA

The Chief Engineer (O&M)
Bihar State Power Transmission Co. Ltd.,
Bailey Road, Patna

Dear Sir,

As per terms of the following Purchase Order we have to advise you to please arrange insurance of the following consignment under the Co's Open Marine Policy.

1. Purchase Order No. Dated
2. Full description of goods
3. Invoice value (rounded to nearest rupees)
..... (in words) Rupees
4. Name and Address of consignee
.....
.....
5. Name and Address for consignor
.....
6. Mode of transit Sea / Rail/ Truck.
7. O/C Note / R.R. No. dated
.....
8. From Station to Station
9. Description of packing
10. Endorsement on R/R by Railway or other carrier regarding condition of packing at the time of
dispatch
.....
.....

Place

Date

Your faithfully,

Signature

Full Address of supplier

1. Copy to consignee with R/R or T.R.
2. Copy to Accounts officer with the Bill.

Declaration of Bidders/ Manufacturers/ EPC Contractors to be submitted along with Bids

(To be submitted on the Rs. 1000 Non - Judicial Stamp Paper)

(FORMAT-A with MAF)

In respect of(NAME OF WORK AND NIT NO.).....

To

Dt.....

Chief Engineer (O&M)
Bihar State Power Transmission Company Ltd.
4th Floor, Vidyut Bhawan,
Bailey Road, Patna-1

We **M/S**.....(*Name of Bidder/ Manufacturer/ EPC Contractor*)having its registered office at wish to confirm that

1. All equipments/ components/ parts/ services complying the instructions in respect of communicable/non-communicable/ testings and their protocols/safe to connect and cyber security from the designated testing centers/ labs as per protocols decided by MoP, CEA and BSPTCL and all other relevant orders to be issued from time to time by MoP, MoF, DPIIT and CEA.
2. No such proposals for vendor approvals/adoption or/and supply of equipments shall be submitted to BSPTCL which is non-compliant to the above-mentioned orders/ guidelines/ clarifications.
3. All compliances of the directives issued by MoP, DPIIT, CEA and MoF as well as successful testing of the equipment/components/parts in terms of specified qualities and its type test/ checks as per Tender Documents/ Tender Specifications and shall be furnished for vendor approval/adoption by all Manufacturers and EPC contractor/ Bidders.
4. Manufacturer's Authorization Format (MAF):
 - 4.1: That, we shall supply(Item Name)M/S.....meeting the technical specification as specified in as specified in BSPTCL said Tender No.
 - 4.2: That, we as a (Item Name) Manufacturer meet qualifying criteria as specified in Qualifying Criteria Clause of Tender No. NIT No.....
 - 4.3: That, we shall supply the (Item Name) in line with the agreed Time Schedule between BSPTCL and M/s.....
 - 4.4: That, documentation in respect of our qualification and experience is enclosed with this consent letter as per the requirement of Tender Specifications.
5. If at any point, the above declarations or/and undertaking submitted by the Bidder/ Manufacturer/ EPC Contractor are found incorrect/ wrong/ false, actions as deemed fit, will be taken by BSPTCL against Bidder/ Manufacturer/ EPC Contractor.

That, Undersigned is authorized to submit this consent/confirmation letter on behalf of M/s
.....(Authorization letter enclosed).

For and on behalf of M/s.....

Signature:.....

Name:.....

Designation:.....

Seal:.....

Note : The signatory should have the authorization from their Board of Director of the concerned Firm
& a copy of the same also to be submitted along with the bid.

Declaration of Bidders/ Manufacturers/ EPC Contractors to be submitted along with Bids

(To be submitted on the Rs. 1000 Non - Judicial Stamp Paper)

(FORMAT-B without MAF)

In respect of(NAME OF WORK AND NIT NO.).....

To

Dt.....

Chief Engineer (O&M)

Bihar State Power Transmission Company Ltd.

4th Floor, Vidyut Bhawan,

Bailey Road, Patna-1

We **M/S**.....(Name of Bidder/ Manufacturer/ EPC Contractor)having its registered office at wish to confirm that

1. All equipments/ components/ parts/ services complying the instructions in respect of communicable/non-communicable/ testings and their protocols/safe to connect and cyber security from the designated testing centers/ labs as per protocols decided by MoP, CEA and BSPTCL and all other relevant orders to be issued from time to time by MoP, MoF, DPIIT and CEA.
2. No such proposals for vendor approvals/adoption or/and supply of equipments shall be submitted to BSPTCL which is non-compliant to the above-mentioned orders/ guidelines/ clarifications.
3. All compliances of the directives issued by MoP, DPIIT, CEA and MoF as well as successful testing of the equipment/components/parts in terms of specified qualities and its type test/ checks as per Tender Documents/ Tender Specifications and shall be furnished for vendor approval/adoption by all Manufacturers and EPC contractor/ Bidders.
4. If at any point, the above declarations or/and undertaking submitted by the Bidder/ Manufacturer/ EPC Contractor are found incorrect/ wrong/ false, actions as deemed fit, will be taken by BSPTCL against Bidder/ Manufacturer/ EPC Contractor.

That, Undersigned is authorized to submit this consent/confirmation letter on behalf of M/s(Authorization letter enclosed).

For and on behalf of M/s.....

Signature:.....

Name:.....

Designation:.....

Seal:.....

Note : The signatory should have the authorization from their Board of Director of the concerned Firm & a copy of the same also to be submitted along with the bid.

Declaration on Local Content

(To be submitted on the Rs. 1000 Non - Judicial Stamp Paper)

In respect of(NAME OF WORK AND
NIT NO.).....

To

Dt.....

Chief Engineer (O&M)

Bihar State Power Transmission Company Ltd.

4th Floor, Vidyut Bhawan,

Bailey Road, Patna-1

We have read the provisions of “Preference to Make in India and granting of purchase preference to local suppliers” enclosed with the Bid Data Sheets. In terms of the requirement of the aforesaid provisions, we hereby declare the following:

In order to avail purchase preference, we confirm that we are a Local Supplier, and the local content included in the package isof our total bid price for complete scope of work for.....as per details given below.

1.0 In order to avail purchase preference, we confirm that we are a local supplier, and the Local Content included in the package is% of our total bid price for complete scope of workas per details given below.

Sl. No. of BOQ	Description of Goods & Services	Quantity/ Weight (in Number)	% of Total bid price	Details of the location(s) at which the local value addition is made
1				

A certificate from the statutory auditor or cost auditor (in the case the bidder is a company) or from a practicing cost accountant or practicing chartered accountant (in respect of bidders other than companies) given the percentage of local content has been annexed to this attachment.

2.0 Further, we hereby confirm the following:

Whether the bidder is presently debarred / banned by any other procuring entity for violation of ‘Public Procurement (Preference to Make in India), Order 2017’ (PPP-MII Order) dated 15.06.2017, its revision dated 28/05/2018, 29.05.2019, the revised ‘Public procurement (Preference to Make in India), Order 2017’ dated 04.06.2020	
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

and any subsequent modifications/Amendments issued by Department of Industrial Policy and Promotion (DIPP), Ministry of Commerce and Industry, Government of India.	
That in the event of the local content of the goods mentioned herein is found to be incorrect and not meeting the prescribed Minimum Local Content criteria, based on the assessment of BSPTCL/Government Authorities for the purpose of assessing the local content, action shall be taken against Bidder in line with the PPP-MII order and provisions of the Bidding Documents.	

3.0 We agree to furnish any information as a proof of the above to your satisfaction as and when required.

Thanking you,

Place

Date

Your faithfully,

Signature

Full Address of supplier

Certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of Local Content, in line with PPP-MII order, if applicable *[to be submitted on the letter head of the issuer]*

Dear Sir,

We have read and understood the provisions of “Public Procurement (Preference to Make in India) Order, 2017” dated 15/06/2017, its revision dated 28/05/2018, 29.05.2019, the revised ‘Public procurement (Preference to Make in India), Order 2017” dated 04.06.2020 and any subsequent modifications/Amendments, if any [hereinafter, “PPP-MII Order”] issued by Department of Industrial Policy and Promotion (DIPP), Ministry of Commerce and Industry, Government of India.

In line with the provisions of the PPP-MII Order, M/s. *[Enter the name of the Bidder]* [hereinafter, “Local Supplier”] have submitted an Affidavit of self-certification to Bihar State Power Transmission Company Ltd. regarding Local Content in goods to be supplied by the Local Supplier for *[Enter the name of the work]*, wherein they have agreed to abide by the terms and conditions of the PPP-MII Order.

Further, in line with the PPP-MII Order, the statutory auditor or cost auditor of the company (in the case of companies) or a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) shall provide a certificate giving the percentage of Local Content in the goods to be supplied by the Local Supplier for *[Enter the name of the work]*.

Accordingly, we, the Statutory Auditor(s) / Cost auditor (*applicable in the case of companies*) of the Local Supplier / a practicing cost accountant or practicing chartered accountant (*applicable in respect of suppliers other than companies*), certify that the Local Content as defined under the PPP-MII Order, for goods to be supplied by the Local Supplier for *[Enter the name of the work]* is percentage *[specify the percentage of Local content]* .

For and on behalf of, Date:

<<Statutory Auditor’s/ Cost accountant’s/ Chartered accountant’s attestation>>

Firm Reg No.

Membership No.

(FORM 21): FORM OF CERTIFICATE OF FINANCIAL PARAMETERS FOR QR

(Rupees in Lakhs)

S. No.	Financial Parameters	2024-25	2023-24	2022-23	2021-22	2020-21
1.	Net Worth					
a)	Paid up Capital					
b)	Free Reserve					
c)	Misc expenses to the extent not written off					
	Net Worth (a+b-c)					
2.	Annual Turnover					
3.	Liquid Asset (Total Current Asset-Inventories)					

* Free Reserve and Surplus should be Exclusive of Revaluation Reserve, written back of Depreciation Provision and Amalgamation.

** Annual total Income/ turnover as incorporated in the Profit and Loss Account excluding nonrecurring income, i.e. sale of fixed asset etc.

It is certified that all the figures are based on audited accounts read with auditor's report and Notes to Accounts etc.

Date

Place

(Certified By Chartered Accountants)
Membership No.

Seal

CHECKLIST

I / WE, confirm that following documents are attached with the technical bid of the offer.

S. No.	Details	Confirmation (Tick <input type="checkbox"/> any one)
1	<ul style="list-style-type: none"> Original copy of Earnest Money Deposit (EMD) and hard copy of receipt of BSEDCL processing fee & tender cost. Exemption certificate for EMD as per tender clause -1.11.11 (if applicable) 	YES / NO
2	Hard copy of receipt of BSEDCL tender processing fee & tender cost	YES / NO
3	An affidavit on Non-Judicial Stamp Paper of Rs. 1000/- of following: - <ul style="list-style-type: none"> Affidavits of self-certification regarding Minimum Local Content in line with PPP-MII Orders. Affidavit by the EPC contractor/ Bidders (as per the relevant annexed format in Vol-I, Section-II of this specification, Format-A for non-manufacturer and Format-B for manufacturer). Affidavit conforming that the type test report & documents furnished along with the tender are correct and true copies of originals. Affidavit that bidder have not been banned/blacklisted/debarred by the Employer or other subsidiary companies of BSPHCL or other State/Centre utilities or other Govt. utilities. 	YES / NO YES / NO YES / NO YES / NO
4	Copy of Purchase Order	YES / NO
5	Copy of Performance Certificate	YES / NO
6	Copy of Type Test Report	YES / NO
7	Certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of Local Content, in line with PPP-MII order, if applicable <i>[to be submitted on the letter head of the issuer]</i>	YES / NO
8	Annual Turnover Certificate, Audited Balance Sheet and ITR for last 5 years	YES / NO
9	In case of authorized dealer, furnished a certified copy of dealership on non-judicial stamp paper.	YES / NO
10	Any other documents required for qualification.	YES / NO