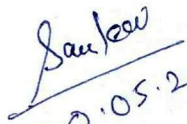


ANNEXURE- A**TECHNICAL PRE QUALIFICATION REQUIREMENT (PQR)****Name of Project:- PVUNL Patratu****Name Of Item :- Chemical Anchor Bolts****PI No :- 3612300281 Rev 01 Dated 30.05.2022**

PQR Sr. No	PQR Description	Supporting Document to be attached
01	The bidder should have successfully supplied the chemical anchor bolts and associated chemical for switchyard, Power House, Industrial Building, factories to any public sector enterprises or state government utility or multinational company.	Copy of proof of supply of chemical anchor bolts and associated chemical to be submitted (Purchase Order, Receipted LR, Material dispatch clearance certificate or any other document acceptable to BHEL)

Note: Nuts, Lock Nuts and washers can be manufactured in house or out sourced meeting Technical specification.


30.05.2022


30.05.2022



BHARAT HEAVY ELECTRICALS LIMITED

TRANSMISSION BUSINESS HVDC ENGINEERING & SYSTEMS

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NTPC Doc No.	TB-397-316-050 Rev 00	Rev. No.	00	Prepared	Checked	Approved		
BHEL Doc No.	TB-397-316-050 Rev 00							
TYPE OF DOC.	Technical Specification			SIGN				
TITLE	CHEMICAL ANCHOR BOLTS			NAME	NS	SKS		
				DATE	250522	250522	250522	
				GROUP	TBEM	W.O. No	87009	
CUSTOMER	Patratu Vidyut Utpadan Nigam Ltd. (PVUNL) (A Subsidiary of NTPC in Joint Venture with JBVNL)							
PROJECT	400kV GIS at Patratu Super Thermal Power Project Expansion Phase-I (3 X 800 MW)							
NOA NO.	01/PVUNL-CS-9585-001-2/NOA-FC Dated 08-Mar-2018 01/PVUNL-CS-9585-001-2/NOA-SC Dated 08-Mar-2018 01/PVUNL-CS-9585-001-2/NOA-TC Dated 08-Mar-2018							
Station	Patratu, Jharkhand							
CONTENTS								
Section	Description					No. of Sheets		
1	Section 1: Scope, Specific Technical Requirements & Quantities					1		
2	Section 2: Technical Specification					2		
3	Section 3: Project Details					1		
Rev No.	Date	Altered	Checked	Approved	REVISION DETAILS			
Distribution				To	HVDC	TBMM	TBQM	Vendor
				Copies	1	1	1	4

SECTION - 1

SCOPE, SPECIFIC TECHNICAL REQUIREMENTS & QUANTITIES

1.1 SCOPE

The scope of this specification is to specify all details required by a supplier for design, supply & Installation of chemical anchor bolts including all necessary nuts, gaskets, and Chemicals etc. for projects being executed by BHEL on turnkey basis for NTPC/PVUN.

1.2 SPECIFIC TECHNICAL REQUIREMENTS

The specific technical requirements shall be as per Technical Specification (Refer Section 2).

1.3 QUANTITIES

The quantities shall be as per Purchase Indent.

Subject to quantity variation of +/- 25%

SECTION – 2

TECHNICAL SPECIFICATION

2.0 CHEMICAL ANCHOR BOLTS (including all necessary nuts, gaskets, and Chemicals):

This section covers the technical specification for Chemical Anchor Bolts.

2.1 Following parameters shall be followed:

Thread Nominal (M)	M24
Nominal length (mm)	380
Strength level	Carbon Steel Grade 8.8
Quantity	1300 pcs
Including all necessary 2 Nos. nuts per bolt, gaskets, washers and Chemicals	

2.2 Bidder shall design the chemical anchoring solution and confirm with calculations that offered chemical anchor bolts and chemical shall be suitable for the input design forces as per table 3(outdoor) of Annexure 1. Calculations confirming the suitability of design shall be submitted for approval.

2.3 All chemical anchor bolts and chemical including 2 Nos. nuts per bolt and necessary washers shall be supplied based on the following specifications.

2.3.1 All chemical anchor bolts shall be fully hot dip galvanized so as to achieve 0.80kg/sqm of zinc coating as per relevant IS and suitable for usage with injectable hybrid/epoxy chemical.

2.3.2 Chemical anchor bolts and Chemical should be suitable for fast and convenient installation; suitable for heavy loads and various vibration loads; construction temperature -6~60°C, wide application range; excellent high temperature resistance, acid and alkali resistance, and corrosion resistance; suitable for small spacing, small margins and narrow spaces Excellent performance in wet environments, and can be used for installation in wet locations; bonding force, no backlog of concrete, suitable for various substrates.

2.3.3 Chemical anchor bolt and chemical grouting is to be used for the installation of bus duct support structures and bus ducts on the concrete foundation which are already built up to the plinth level. Material to suit as per the forces mentioned in annexure 1 table 3(outdoor).

2.3.4 Grade of reinforced cement concrete used in this construction at site is M25.

2.3.5 Executive standard: Indian relevant standard or Chinese national standard <GB/T 22795 - 2008>

- 2.3.6 All material required for successful installation of chemical anchors including all tools and tackles like drill, chemical dispenser, cutter/grinder etc. shall be in bidder's scope of work.
- 2.3.7 Any pull-out test, if required to be demonstrated at site, shall be performed by bidder free of cost.
- 2.3.8 **FORCES for which anchor fastener shall be suitable shall be as follows (Refer Annexure 1 for drawing details of CPs):**

TABLE - 3 (Outdoor)

Location	Load position	Static load (kN)	Wind pressure load(kN)		Earthquake Load(kN)		Concrete plinth size (Length x width)
			Horizontal	Vertical	Horizontal	Vertical	
CP1	Area	10	30	20	12	10	2080 x 400
CP2	Area	30	60	40	24	20	6100 x 400
CP3	Area	28	60	40	24	20	5435 x 400
CP4	Area	20	50	35	20	15	4090 x 400
CP5	Area	5	15	12	8	5	740 x 400
CP6	Area	10	25	10	12	10	1200 x 1200
CP7	Area	18	40	30	20	15	3425 x 400
CP8	Area	15	40	30	20	15	2750 x 400
CP9	Area	8	20	15	10	8	1420 x 400
CP10	Area	25	60	40	24	20	4760 x 400

SECTION- 3

PROJECT DETAILS AND GENERAL SPECIFICATIONS

3.1 PROJECT DETAILS

Particular	Details															
Customer	Patratu Vidyut Utpadan Nigam Ltd (PVUNL) – A Subsidiary of NTPC in Joint Venture with JBVNL.															
Engineer/Consultant/ Inspector	NTPC Ltd.															
Project Title	Patratu Super Thermal Power Project Expansion Phase – I (3X 800MW) – 400kV GIS Switchyard at Patratu STPP															
Project Location	Place: Patratu District: Ramgarh State: Jharkhand															
Latitude & Longitude	Latitudes and Longitudes of the site are as follows: <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Corner name</th> <th style="text-align: center;">Latitude</th> <th style="text-align: center;">Longitude</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Top Corner</td> <td style="text-align: center;">23° 38' 60" N</td> <td style="text-align: center;">85° 17' 51.5" E</td> </tr> <tr> <td style="text-align: center;">Bottom Corner</td> <td style="text-align: center;">23° 38' 12.5" N</td> <td style="text-align: center;">85° 17' 27" E</td> </tr> <tr> <td style="text-align: center;">Left Corner</td> <td style="text-align: center;">23° 38' 22.5" N</td> <td style="text-align: center;">85° 17' 10.6" E</td> </tr> <tr> <td style="text-align: center;">Right Corner</td> <td style="text-align: center;">23° 38' 40" N</td> <td style="text-align: center;">85° 17' 57" E</td> </tr> </tbody> </table>	Corner name	Latitude	Longitude	Top Corner	23° 38' 60" N	85° 17' 51.5" E	Bottom Corner	23° 38' 12.5" N	85° 17' 27" E	Left Corner	23° 38' 22.5" N	85° 17' 10.6" E	Right Corner	23° 38' 40" N	85° 17' 57" E
Corner name	Latitude	Longitude														
Top Corner	23° 38' 60" N	85° 17' 51.5" E														
Bottom Corner	23° 38' 12.5" N	85° 17' 27" E														
Left Corner	23° 38' 22.5" N	85° 17' 10.6" E														
Right Corner	23° 38' 40" N	85° 17' 57" E														
Nearest Railway Station	Patratu – At a distance of about 4 km on Barkakhana-Barwadih Railway Line.															
Distance of project location from the Railway station	4 km (approx.)															
Nearest Major Town	Ranchi															
Distance of the town from the project site	45 km															
Nearest commercial airport	Birsa Munda Airport, Ranchi.															
Distance of airport from the project site	45 km															
<u>SITE CONDITIONS</u> (for design purposes)																
Design ambient temperature	50°C															
Maximum Relative humidity	95 %															
Height above mean sea level	Less than 1000 meters															
Pollution Severity	Heavily polluted															
Criteria for Wind Resistant design of structures and equipment	Standard Applicable - IS 875 (Part 3)															
Basic Wind speed “Vb” at ten meters above the mean ground level.	39 m/ sec															
Category of terrain	Cat –2															
Risk Coefficient “K1”	1.06															

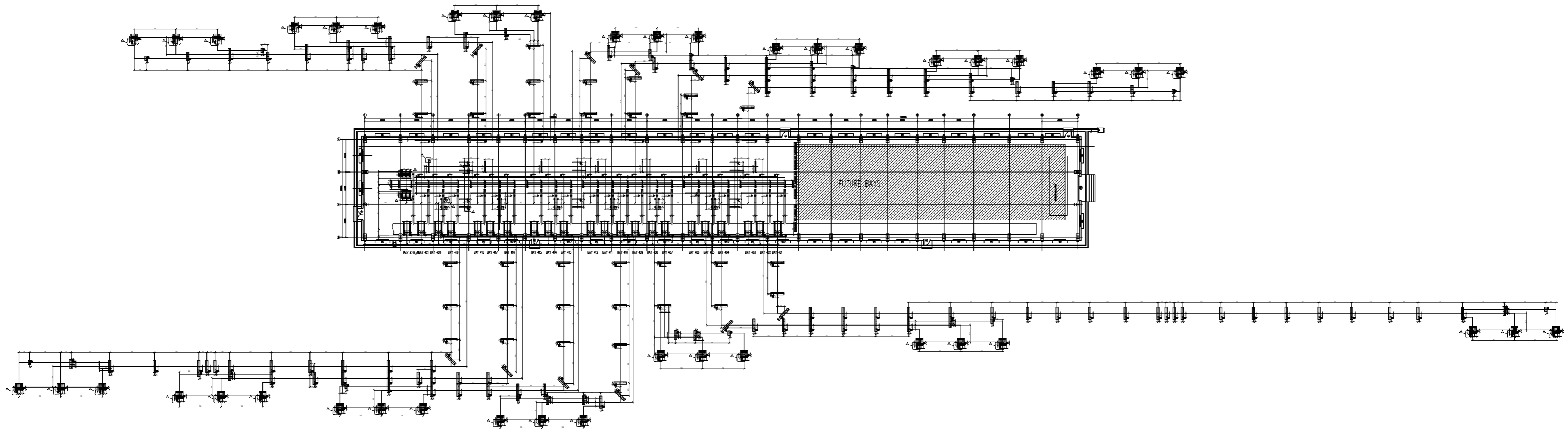


TABLE - 1 (Indoor)

Location	Load position	Static load (kN)		Operation Load (kN)		Earthquake Load (kN)		Size	Remark
		Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical		
ZH1	Area	50.0	80.0	80.0	70.0	50.0		2080(L)x180(W)	For support of CB bay
ZH2	Area	15			20	15		1640(L)x180(W)	For support of busbar
ZH3	Area	8			10	8		1640(L)x180(W)	For support of PT bay
ZH4	Area	15			20	15		2080(L)x180(W)	For support of bus
ZH5	Area	8			10	8		2080(L)x180(W)	For support of LLC
ZH6	Area	8			10	8		1000(L)x180(W)	For support of service platform
ZH7	Area	15			20	15		200(L)x180(W)	For support of busbar

TABLE - 2

Dimension	Position
LxWxD	
IN1	800x600 EXIT FOR BAY CONTROL POWER CABLE

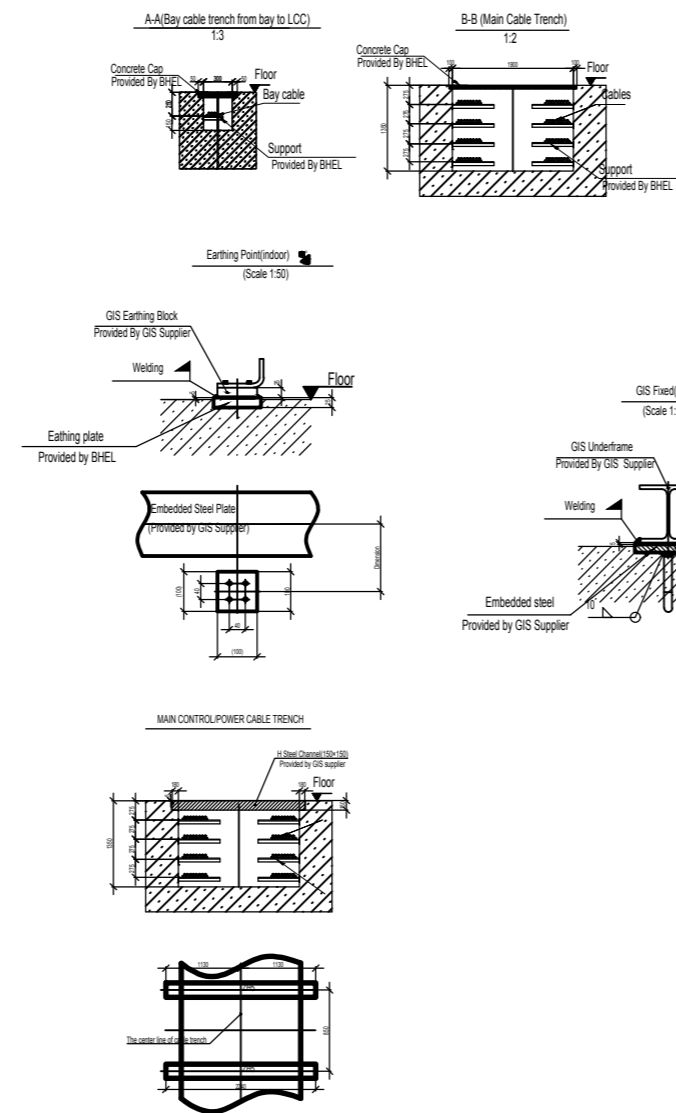
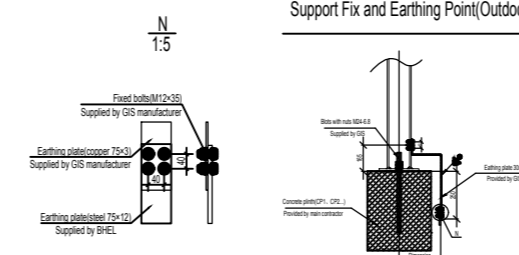


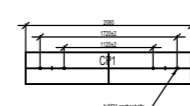
TABLE - 3 (Outdoor)

Location	Load position	Static load (kN)		Wind pressure load (kN)		Earthquake Load (kN)		Concrete plinth size (Length x width)
		Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical	
CP1	Area	10	30	20	12	10		2080 x 400
CP2	Area	30	60	40	24	20		6100 x 400
CP3	Area	28	60	40	24	20		5435 x 400
CP4	Area	20	50	35	20	15		4090 x 400
CP5	Area	5	15	12	8	5		740 x 400
CP6	Area	10	25	10	12	10		1200 x 1200
CP7	Area	18	40	30	20	15		3425 x 400
CP8	Area	15	40	30	20	15		2750 x 400
CP9	Area	8	20	15	10	8		1420 x 400
CP10	Area	25	60	40	24	20		4760 x 400

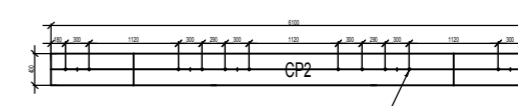
Support Fix and Earthing Point (Outdoor)



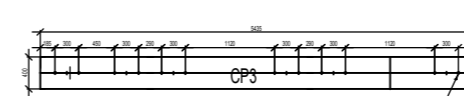
CP1 detail drawing (Scale=1: 5)



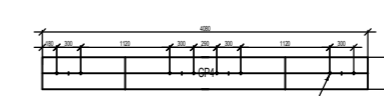
CP2 detail drawing (Scale=1: 5)



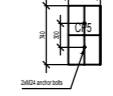
CP3 detail drawing (Scale=1: 5)



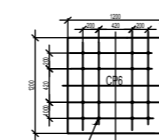
CP4 detail drawing (Scale=1: 5)



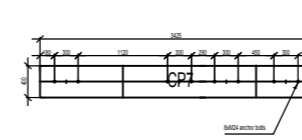
CP5 detail drawing (Scale=1: 5)



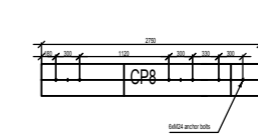
CP6 detail drawing (Scale=1: 5)



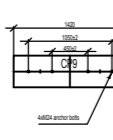
CP7 detail drawing (Scale=1: 5)



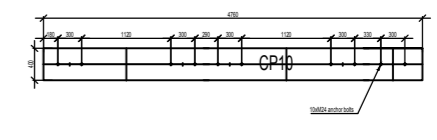
CP8 detail drawing (Scale=1: 5)



CP9 detail drawing (Scale=1: 5)



CP10 detail drawing (Scale=1: 5)



PROJECT:	PVUNL Patratu
ITEM:	Supply & Services of Anchor bolts
SUBJECT:	BID SPECIFIC ATC

1.	For any technical clarification , please contact Mr. Nishant Singh, Dy. Manager (TBEM). Contact No. 0120-06748515; e-mail: nishant.singh@bhel.in
2.	For any commercial clarification , please contact Mr. Gaurav Agarwal, Manager (TBMM). Contact No. 0120-6748541; e-mail: gaurav.agarwal@bhel.in
3.	Terms of Payment: For Supply & Services in scope of the supplier As per GTC of GeM. Payment within 90 days for Non-MSME/60 days for Medium Enterprises/45 days for Micro & Small Vendors. A) For Supply Portion: a) For 95% of Supply payment along with 100% GST & F&I, following documents are required: <ul style="list-style-type: none"> • LR / GR duly endorsed by BHEL Site Official. • Material Receipt Certificate issued by BHEL Site Official. • GST Compliant Tax Invoice • Packing List (Case-wise) • Copy of Transit Insurance Certificate from underwriters. • Material Inspection Clearance Certificate (MICC) issued by BHEL Quality Management • Guarantee Certificate • Copy of Performance Bank Guarantee (PBG) • Certificate of acceptance of Type Test Reports issued by BHEL Engineering Management, wherever specifically mentioned in the Purchase Order. b) For 5% of payment, following documents are required:: <ul style="list-style-type: none"> • Invoice • Certificate of successful completion of Installation at Site. B) For Installation charges at Site: 100% payment along with applicable GST from the date of receipt of complete GST compliant Tax invoice along with certificate of successful completion of Installation at Site issued by BHEL Site Official / Construction Management in 3 sets (Original + 2 copies).
4.	Terms of Delivery: As per GeM. However, unloading at site is not in the scope of bidder. Bidders to quote price accordingly.
5.	Delivery Time: Proposed delivery Plan: Immediate . Schedule Time: For Supply- 7 Weeks (49 days) from the date of PO by BHEL as per Activity schedule (Annexure-A). Early Delivery is acceptable. For Services- 10 Weeks (70 days) from the date of PO by BHEL. Note: In case, BHEL's delivery requirement is not met by vendor(s), then a chance may be given to all such vendors to review their quoted delivery schedule in line with BHEL's delivery requirement. However, if vendor fails to meet the requisite delivery plan, then BHEL reserves the right not to consider the offer of such vendor(s).
6.	Prices: The quoted prices shall be on Firm basis . Price to be quoted as inclusive of GST. i.e. Ex-Works + F&I + GST.
7.	Liquidated Damage of delayed Delivery: As per GeM terms and conditions.
8.	Item, Scope & BOQ: BOQ: As per clause 1.3 of Section-1 of Technical specification.
9.	Technical Specification: Technical specification no. TB-397-316-050 Rev.00 . No permissible Technical Deviation has been envisaged. Bidders to quote as per Technical Specification.
10.	Pre-Qualification Requirement: As per Annexure-A of Technical Specification.

PROJECT:	PVUNL Patratu
ITEM:	Supply & Services of Anchor bolts
SUBJECT:	BID SPECIFIC ATC

11. MQP (Manufacturing Quality Plan):	Supplier to submit Quality Plan to BHEL for approval.
12. Inspection:	Inspection shall be carried out as per approved Quality Plan.
13. Destination / Delivery Location:	Available in GeM
14. Bill to Address:	Bharat Heavy Electricals Limited-TBG, 10th Floor, Plot No.C-20/1A/1, Joy Tower, Sector-62, Noida-201301, U.P. GSTN-09AAACB4146P2ZC

15. Guarantee Clause (Defect Liability Period):	<p>The equipment / material supplied and services rendered (if applicable) shall be guaranteed to be free from all defects and faults in design & engineering, material, workmanship & manufacture and in full conformity with the Purchase Order / Contract, Technical Specifications & approved drawings / data sheets, if any, for 18 months from the date of last delivery or 18 months from the date of Completion of Facilities (i.e. 08.10.2021), whichever is later.</p> <p>The defective equipment / material / component shall be replaced free of cost at site. Freight & Insurance during transit shall also be in the scope of the supplier / contractor. Any expenditure for dismantling and re-erection of the replaced equipment / material / component shall be to supplier's / contractor's account. All replacements during the guarantee period shall be delivered at site promptly and satisfactorily within a period not more than 45 days from the date of reporting the defect / rejection etc.</p> <p>In the event of the supplier / contractor failing to replace the defective equipment / material / component within the time period mentioned above, BHEL may proceed to undertake the replacement of such defective equipment / material / component at the risk and cost of the supplier / contractor without prejudice to any other rights under the contract and recover the same from PBG / other dues of this Purchase Order / Contract or any other Purchase Order / Contract executed by the supplier / contractor.</p>
16. Performance Bank Guarantee (To be submitted as per GeM):	Supplier shall arrange to submit Performance BG for 10% of the total Ex-works PO value. Performance BG shall be valid for guarantee period with claim period of 3 months extra. BG format enclosed.
17.	Bidders to ensure that Third party / customer issued certificates being submitted as proof of PQR qualification. Document should have verifiable details/ certificate issuing authority such as name & designation of Issuing Authority and its organization contact number and e-mail Id etc. In case the same found not available, Purchaser has right to reject such document from evaluation.
18. Acceptance of Offer:	Bidder's offer will be technically acceptable subject to final acceptance of vendor by BHEL/ Customer as approved supplier. Price Bid will be opened only for those bidders in respect of which vendor approval is received from BHEL/ Customer. Necessary credentials/documents to be submitted by vendor for approval by BHEL/Customer.
19. Make in India:	<p>For this procurement, the local content to categorize a supplier as Class-I local supplier / class-II local supplier and purchase preference to Class-I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 dated 04.06.2020, issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT but before opening of part-II bids against this NIT.</p> <p>"Bidder to specify the percentage of local content as per the format of self-declaration for local content" as per Annexure-V."</p> <p>"This tender is not a global tender and only Class-I/ class-II suppliers as defined under the DPIIT order no. P-45021/2/2017-PP (BE-II) dated 04.06.2020 and subsequent orders are eligible to bid in this tender."</p>
20. Details of Bidder:	Bidder to submit the details as per format as per Annexure-B.
21. Deviations:	<p>a) Technical Deviation: No Technical Deviation is envisaged.</p> <p>b) Commercial Deviation: No Commercial Deviation is envisaged.</p>

PROJECT:	PVUNL Patratu
ITEM:	Supply & Services of Anchor bolts
SUBJECT:	BID SPECIFIC ATC

22.	All other terms & conditions shall be as per GTC of GeM
23	Unpriced bid is also to be submitted along with Technical bid part.
24	<p>INTEGRITY PACT: Bidders shall have to enter into Integrity Pact with BHEL, duly signed with seal in original, if specified in NIT / RFO failing which bidder's offer shall be liable for rejection.</p> <p>(a) IP is a tool to ensure that activities and transactions between the company and its bidders/contractors are handled in a fair, transparent and corruption free manner. Following Independent External Monitor (IEMs) on the present panel have been appointed by BHEL with the approval of CVC to oversee implementation of IP in BHEL.</p> <p>Details of IEM for this tender is furnished below Name: Shri Arun Chandra Verma, IPS (Retd.) Email: acverma1@gmail.com Name: Shri Virendra Bahadur Singh, IPS (Retd.) E-mail: vbsinghips@gmail.com</p> <p>(b) The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory) along with techno-commercial bid (Part 1, in case of Two/three part bid). Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this pact would be a preliminary qualification.</p> <p>(c) Please refer section 8 of the IP for Role and responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to any of the above IEM(s). All correspondence with the IEM shall be done through e-mail only.</p> <p>Note: No routine correspondence shall be addressed to the IEM (Phone/post/email) regarding the clarification, time extensions or any other administrative queries, etc. on the tender issued. All such clarification/issues shall be addressed directly to the tender issuing (procurement) department's officials as mentioned on Point 2 & 3.</p>
25	<p>Quantity Variations: BHEL shall have the right to variation in quantities of items within +/- 25% of the total Purchase Order / Contract value at the time of placement of PO or award of Contract on overall basis for all amendments together within two years from the date of original Purchase Order. The purchaser shall have the right to increase or decrease quantity and scope up to the above extent of value and seller/contractor shall be bound to accept the same at the contracted prices without any escalation.</p>

Signature & Seal of
Supplier
Date

PROJECT:	PVUNL Patratu
ITEM:	Supply & Services of Anchor bolts
SUBJECT:	BID SPECIFIC ATC

Annexure-A

ACTIVITY SCHEDULE

SN	ACTIVITY	ACTIVITY TIME [in weeks]	SCOPE
1.	Order Acknowledgement by Supplier	--	BY SUPPLIER
2.	Input to Vendor from BHEL	--	BY BHEL
2.	Submission of Documents necessary for getting manufacturing clearance like Drawings, Data sheet, MQP etc.	1	BY SUPPLIER
3.	Manufacturing Clearance & CAT-A approval to Vendor after drawing submission	1	BHEL SCOPE
4.	Manufacturing time after CAT-A approval & Manufacturing Clearance. Including time of raising Inspection Call	3	BY SUPPLIER
5.	BHEL/Customer Inspection & Dispatch Clearance	1	BHEL SCOPE
6.	Dispatch	1	BY SUPPLIER

1. Inspection call to be issued 1 weeks in advance.
2. Supplier must ensure the completeness and correctness of the requisite documents before submission for approval. Delay in approval on account of incomplete / inadequate information shall be the responsibility of supplier.
3. Inspection call should be given in the prescribed format only. Inspection calls not in the prescribed format shall not be entertained.
4. Vendor to ensure resubmission of drawings/documents within 3 days from the date of comment from BHEL. Any delay in resubmissions w.r.t 3 days shall be reduced from Activity No.4 as above.
5. Qty. to be offered for inspection should be in accordance within Delivery-schedule – lot. BHEL reserves the right not to entertain multiple inspection calls for a Delivery – lot and delay on this account shall be the responsibility of Supplier.

Signature & Seal of

Supplier

Date:

PROJECT:	PVUNL Patratu
ITEM:	Supply & Services of Anchor bolts
SUBJECT:	BID SPECIFIC ATC

ANNEXURE-B

CONTACT DETAILS OF BIDDER

Works Address-	
Communication Address-	
Details of contact person for clarification regarding bid:	
Contact Person Name:	
Designation:	
Email Id.:	
Mobile No.:	
Landline No.:	

Signature & Seal of
Supplier
Date:

PROJECT:	PVUNL Patratu
ITEM:	Supply & Services of Anchor bolts
SUBJECT:	BID SPECIFIC ATC

Annexure-V

Item/Package Name :	Supply & Services of CSD
Enquiry No.:	
Project:	
Type of project	Transmission Project
Percentage of Local Content	(Bidder to enter the applicable % of local content)

Format of Self certification regarding Local Content in line with PPP-MII order, 2017 & its revision dated 04.06.2020.

I _____ S/o, D/o, W/o, _____ Resident of _____ hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the Public Procurement (Preference to Make in India) Order, 2017 (*hereinafter PPP-MII order*) of Government of India issued vide Notification No: P-45021/2/2017-BE-II dated 15/06/2017, its revision dated 04/06/2020 and any subsequent modifications/Amendments, if any.

That the information furnished hereinafter is correct to the best of my knowledge and belief and I undertake to produce relevant records before the procuring entity/BHEL or any other Government authority for the purpose of assessing the local content of goods/services/works supplied by me for **(Enter the name of the Equipment/Item for Project).**

That the local content for all inputs which constitute the said goods/services/works has been verified by me and I am responsible for the correctness of the claims made therein.

That the goods/services/works supplied by me for **(Enter the name of the Equipment/Item for Project)** contains.....% **(mention the Local content in %age)** Local Content.

That the value addition for the purpose of meeting the 'Minimum Local Content 'has been made by me at **(Enter the details of the location(s) at which value addition is made).**

That in the event of the local content of the goods/services/works mentioned herein is found to be incorrect and not meeting the prescribed supplier class categorization criteria as per said order, based on the assessment of procuring agency (ies)/BHEL/Government Authorities for the purpose of assessing the local content, action shall be taken against me in line with the PPP-MII order and provisions of the Integrity pact/ Bidding Documents.

I agree to maintain the following information in the Company's record for a period of 8 years and shall make this available for verification to any statutory authority.

- i. Name and details of the Local Supplier
(Registered Office, Manufacturing unit location, nature of legal entity)
- ii. Date on which this certificate is issued

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Annexure-V

- iii. Goods/services/works for which the certificate is produced
- iv. Procuring entity to whom the certificate is furnished
- v. Percentage of local content claimed and whether it meets the Minimum Local Content prescribed
- vi. Name and contact details of the unit of the Local Supplier (s)
- vii. Sale Price of the product
- viii. Ex-Factory Price of the product
- ix. Freight, insurance and handling
- x. Total Bill of Material
- xi. List and total cost value of input used to manufacture the Goods/to provide services/in construction of works
- xii. List and total cost of input which are domestically sourced. Value addition certificates from suppliers, if the input is not in-house to be attached
- xiii. List and cost of inputs which are imported, directly or indirectly

For and on behalf of..... (Name of firm/entity)

Authorized signatory (To be duly authorized by the Board of Directors)

<Insert Name, Designation and Contact No.>

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SCHEDULE OF COMMERCIAL DEVIATION

The following are the deviations/ variations exception from the General Terms and Conditions:

SL. NO.	CLAUSE NO. OF TERMS AND CONDITIONS	STATEMENT OF DEVIATION
	NIL DEVIATION	NIL DEVIATION

In case, this schedule is not submitted, it will be presumed that the equipment /material to be supplied under this contract is deemed to be in compliance with the General Terms and Conditions.

If there is NIL deviation, even then the format to be filled as NIL DEVIATION.

Note : 1. Continuation Sheets of like size and format may be used as per the Bidder's Requirement and shall be annexed to this schedule.

2. Deviation mentioned in this schedule shall only be considered.

**This Format is to be submitted in original duly signed by bidder.
Reproduction of the same in any sort is not acceptable.**

Place:
Date :

Signature of the authorised representative of
Bidder's name :.....
Designation:.....
Company Seal:.....

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SCHEDULE OF TECHNICAL DEVIATION

The following are the deviations/ variations exception from the Technical Specifications:

SL. NO.	CLAUSE NO. OF TERMS AND CONDITIONS	STATEMENT OF DEVIATION
	NIL DEVIATION	NIL DEVIATION

In case, this schedule is not submitted, it will be presumed that the equipment /material to be supplied under this contract is deemed to be in compliance with the Technical Specifications,

If there is NIL deviation, even then the format to be filled as NIL DEVIATION.

Note : 1. Continuation Sheets of like size and format may be used as per the Bidder's Requirement and shall be annexed to this schedule.

2. Deviation mentioned in this schedule shall only be considered.

**This Format is to be submitted in original duly signed by bidder.
Reproduction of the same in any sort is not acceptable.**

Place:
Date :

Signature of the authorised representative of
Bidder's name :.....
Designation:.....

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UNPRICED BID

Item Number	Item Description	Item Quantity	Unit of Measure	Unit Price (Inclusive of TAX)	GST % Applicable
1	SUPPLY- FOUNDATION BOLTS- CHEMICAL ANCHOR BOLTS- M24, NOMINAL LENGTH 380 MM	1300	NO	Mention as "Quoted"	Mention GST %
2	SUPPLY- FOUNDATION BOLTS- CHEMICAL FOR GROUTING CHEMICAL ANCHOR BOLTS	130	LITRE	Mention as "Quoted"	Mention GST %
3	SERVICES- FOUNDATION BOLTS- COMPLETE INSTALLATION INCLUDING DRILLING, CLEANING, CHEMICAL PLACEMENT AND CHEMICAL ANCHOR BOLT PLACEMENT AND SETTING	1300	NO	Mention as "Quoted"	Mention GST %

BANK GUARANTEE FOR PERFORMANCE SECURITY

Bank Guarantee No:

Date:

To

NAME

& ADDRESSES OF THE BENEFICIARY

Dear Sirs,

In consideration of the Bharat Heavy Electricals Limited ¹ (hereinafter referred to as the 'Employer' which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns) incorporated under the Companies Act, 1956 and having its registered office at _____ through its Unit at.....(name of the Unit) having awarded to (Name of the Vendor / Contractor / Supplier) having its registered office at _____² hereinafter referred to as the 'Contractor/Supplier', which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns), a contract Ref No.....dated³ valued at Rs.....⁴ (Rupees -----)/FC.....(in words.....) for⁵ (hereinafter called the 'Contract') and the Contractor having agreed to provide a Contract Performance Guarantee, equivalent to% (.... Percent) of the said value of the Contract to the Employer for the faithful performance of the Contract,

we,, (hereinafter referred to as the Bank), having registered/Head office at and inter alia a branch at being the Guarantor under this Guarantee, hereby, irrevocably and unconditionally undertake to forthwith and immediately pay to the Employer a maximum amount Rs ----- (Rupees -----) without any demur, immediately on a demand from the Employer, .

Any such demand made on the Bank shall be conclusive as regards 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. _____.

We undertake to pay to the Employer any money so demanded notwithstanding any dispute or disputes raised by the Contractor/ Supplier in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment thereunder and the contractors/supplier shall have no claim against us for making such payment.

We thebank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract and that it shall continue to be enforceable till all the dues of the Employer under or by virtue of the said Contract have been fully paid and its claims satisfied or discharged.

We BANK further agree with the Employer that the Employer 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 Contract or to extend time of performance by the said Contractor/Supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by the Employer against the said Contractor/Supplier and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor/Supplier or for any forbearance, act or omission on the part of the Employer or any indulgence by the Employer to the said Contractor/Supplier 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.

The Bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee that the Employer may have in relation to the Contractor's liabilities.

This Guarantee shall remain in force upto and including.....⁶ and shall be extended from time to time for such period as may be desired by Employer.

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the Contractor/Supplier but shall in all respects and for all purposes be binding and operative until payment of all money payable to the Employer in terms thereof.

Unless a demand or claim under this guarantee is made on us in writing on or before the⁷we shall be discharged from all liabilities under this guarantee thereafter.

We, BANK lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Employer in writing.

Notwithstanding anything to the contrary contained hereinabove:

- a) The liability of the Bank under this Guarantee shall not exceed.....⁸
- b) This Guarantee shall be valid up to⁹
- c) Unless the Bank is served a written claim or demand on or before _____¹⁰ all rights under this guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under this guarantee irrespective of whether or not the original bank guarantee is returned to the Bank.

We, _____ Bank, have power to issue this Guarantee under law and the undersigned as a duly authorized person has full powers to sign this Guarantee on behalf of the Bank.

For and on behalf of
(Name of the Bank)

Dated.....

Place of Issue.....

¹ NAME AND ADDRESS OF EMPLOYER I.e Bharat Heavy Electricals Limited

² NAME AND ADDRESS OF THE VENDOR /CONTRACTOR / SUPPLIER.

³ DETAILS ABOUT THE NOTICE OF AWARD/CONTRACT REFERENCE

⁴ PROJECT/SUPPLY DETAILS

⁵ BG AMOUNT IN FIGURES AND WORDS

⁶ VALIDITY DATE

⁷ DATE OF EXPIRY OF CLAIM PERIOD

⁸ BG AMOUNT IN FIGURES AND WORDS.

⁹ VALIDITY DATE

¹⁰ DATE OF EXPIRY OF CLAIM PERIOD

Note:

1. Units are advised that expiry of claim period may be kept 2/3 months after validity date.
2. In Case of Bank Guarantees submitted by Foreign Vendors-
 - a. **From Nationalized/Public Sector / Private Sector/ Foreign Banks (BG issued by Branches in India)** can be accepted subject to the condition that the Bank Guarantee should be enforceable in the town/city or at nearest branch where the Unit is located i.e. Demand can be presented at the Branch located in the town/city or at nearest branch where the Unit is located.
 - b. **From Foreign Banks (wherein Foreign Vendors intend to provide BG from local branch of the Vendor country's Bank)**
 - b.1 In such cases, in the Tender Enquiry/ Contract itself, it may be clearly specified that Bank Guarantee issued by **any of the Consortium Banks only** will be accepted by BHEL. As such, Foreign Vendor needs to make necessary arrangements for issuance of Counter- Guarantee by Foreign Bank in favour of the Indian Bank (BHEL's Consortium Bank). It is advisable that all charges for issuance of Bank Guarantee/ counter- Guarantee should be borne by the Foreign Vendor. The tender stipulation should clearly specify these requirements.
 - b.2 **In case, Foreign Vendors intend to provide BG from Overseas Branch of our Consortium Bank** (e.g. if a BG is to be issued by SBI Frankfurt), the same is acceptable. However, the procedure at **sl.no. b.1** will required to be followed.
 - b.3 The BG issued may preferably be subject to Uniform Rules for Demand Guarantees (URDG) 758 (as amended from time to time). In case, of Foreign Vendors, the BG Format provided to them should clearly specify the same.
 - b.4 The BG should clearly specify that the demand or other document can be presented in electronic form.