



Bid Number/बोली क्रमांक (बिड संख्या): GEM/2024/B/5636194 Dated/दिनांक : 22-11-2024

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण		
Bid End Date/Time/बिड बंद होने की तारीख/समय	02-12-2024 15:00:00	
Bid Opening Date/Time/बिड खुलने की 02-12-2024 15:30:00		
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	90 (Days)	
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Heavy Industries And Public Enterprises	
Department Name/विभाग का नाम	Department Of Heavy Industry	
Organisation Name/संगठन का नाम	Bharat Heavy Electricals Limited (bhel)	
Office Name/कार्यालय का नाम	10210015-pser	
Total Quantity/कुल मात्रा	2	
ltem Category/मद केटेगरी	Supply including supervision of 11KV outdoor Ring Main Unit	
GeMARPTS में खोजी गई स्ट्रिंग / Searched Strings used in GeMARPTS	Supply including supervision of 11KV outdoor Ring Main Unit	
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Category not available on GeM for the text string uploaded by the buyer	
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	modular electrical switches and accessories	
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	No	
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No	
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Certificate (Requested in ATC),Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer	
Do you want to show documents uploaded by bidders to all bidders participated in bid?/	No	
Bid to RA enabled/बिंड से रिवर्स नीलामी सक्रिय किया	Yes	

Bid Details/बिड विवरण		
RA Qualification Rule	H1-Highest Priced Bid Elimination	
Type of Bid/बिंड का प्रकार	Two Packet Bid	
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days	
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No	
Payment Timelines	Payments shall be made to the Seller within 90 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)	
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation	
Arbitration Clause	No	
Mediation Clause	No	

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाईजरी बैंक	State Bank of India
EMD Amount/ईएमडी राशि	40000

ePBG Detail/ईपीबीजी विवरण

Required/आवश्यकता	No
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- (a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने है। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।
- (b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

Beneficiary/लाभार्थी :

BIDDER TO SUBMIT EMD, PBG, ONLY AS DETAILED IN BUYER SPECIFIC ATC . ePBG - 10210015-PSER, Department of Heavy Industry, Bharat Heavy Electricals Limited (BHEL), Ministry of Heavy Industries and Public Enterprises (Bharat Heavy Electricals Ltd)

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
MSE Purchase Preference/एमएसई खरीद वरीयता	

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes

1. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate. The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

OM No.1 4 2021 PPD dated 18.05.2023 for compliance of Concurrent application of Public Procurement Policy

for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

- 2. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 100% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 OM No.1 4 2021 PPD dated 18.05.2023 for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.
- 3. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:
 - i. If number of technically qualified bidders are only 2 or 3.
 - ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
 - iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
 - iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
 - v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

Supply Including Supervision Of 11KV Outdoor Ring Main Unit (2 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

Buyer Specification Document/क्रेता विशिष्टि दस्तावेज़	<u>Download</u>
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Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Deepak Rathore	495555,BHEL Site Office 1X800 MW NTPC SIPAT STPP STAGE-III PO- Ujjwal Nagar, Sipat, Dist - Bilaspur, Chhattisgarh 495555	2	75

Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें

1. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

ANNEXURE-A

BUYER ADDED BID SPECIFIC ADDITIONAL TERMS AND CONDITIONS

JOB: <u>SUPPLY INCLUDING SUPERVISION OF 02 Nos. 11 KV OUTDOOR RING MAIN UNIT AT 1X800 MW SIPAT SUPER THERMAL POWER PROJECT, STAGE-III, CHHATTISGARH.</u>

1.0 PRE-QUALIFIYING CRITERIA

ЈОВ	SUPPLY INCLUDING SUPERVISION OF 02 Nos. 11 KV OUTDOOR RIN G MAIN UNIT AT 1X800 MW SIPAT SUPER THERMAL POWER PROJEC T, STAGE-III, CHHATTISGARH.		
SL NO	CRITERIA		
FINANCIAL			

1.0 (a) BIDDER SHOULD HAVE AVERAGE MINIMUM ANNUAL FINANCIAL TURNO VER OF INR **3 LACS** DURING THREE CONSECUTIVE FINANCIAL YEARS 202 0-21, 2021-22 AND 2022-23 or 2021-22, 2022-23 and 2023-24 AND SHOU LD SUBMIT THEIR AUDITED BALANCE SHEET AND PROFIT & LOSS ACCOUN T FOR LAST THREE FINANCIAL YEARS, IN SUPPORT OF THE SAME.

(b) IN CASE AUDITED BALANCE SHEET AND PROFIT & LOSS ACCOUNT HAS NOT BEEN SUBMITTED FOR ALL THREE YEARS INDICATED ABOVE AT 1(a), THEN APPLICABLE FINANCIAL AUDITED STATEMENTS SUBMITTED BY THE BIDDER AGAINST THE REQUISITE THREE YEARS WILL BE AVERAGED FOR T HREE YEARS.

(c) IF FINANCIAL STATEMENTS ARE NOT REQUIRED TO BE AUDITED STATU TORILY, THEN INSTEAD OF AUDITED FINANCIAL STATEMENTS, FINANCIAL STATEMENTS ARE REQUIRED TO BE CERTIFIED BY CHARTERED ACCOUNT ANT.

TECHNICAL

2.0 THE BIDDER SHOULD HAVE PREVIOUS EXPERIENCE OF SUPPLYING 01 Nos. OUTDOOR RING MAIN UNIT OF 11 KV OR ABOVE VOLTAGE LEVEL TO GOVT./ PSU/ REPUTED ORGANISATIONS IN LAST THREE YEARS AS ON LAST DATE OF BID SUBMISSION.

BIDDER SHALL HAVE TO SUBMIT RELEVANT DOCUMENTS IN SUPPORT OF THE SAME.

NOTE:

А	BIDDER SHOULD HAVE VALID PAN. RELEVANT DOCUMENT IN SUPPORT OF ABOVE SHALL BE SUBMITTED
В	AFTER SATISFACTORY FULFILLMENT OF ALL THE ABOVE CRITERIA, OFFER SHAL L BE CONSIDERED FOR FURTHER EVALUATION AS PER NIT AND ALL OTHER TER MS OF THE TENDER.
С	THE VENDOR SHOULD HAVE ACHIEVED THE CRITERIA SPECIFIED IN THE PRE-Q UALIFICATION CRITERIA, EVEN IF THE CONTRACT HAS NOT BEEN COMPLETED O R CLOSED.
D	BIDDER SHALL SUBMIT ABOVE PRE-QUALIFICATION CRITERIA FORMAT, DULY FI LLED-IN, SPECIFYING RESPECTIVE ANNEXURE NUMBER AGAINST EACH CRITERIA AND FURNISH RELEVANT DOCUMENT IN THE RESPECTIVE ANNEXURES IN THEIR OFFER.
Е	BIDDER MUST NOT BE UNDER BANKRUPTCY CODE PROCEEDINGS (IBC) BY NCL T OR UNDER LIQUIDATION / BIFR, WHICH WILL RENDER HIM INELIGIBLE FOR PA RTICIPATION IN THIS TENDER, AND SHALL SUBMIT UNDERTAKING TO THIS EFFE CT.

2.0 PROJECT INFORMATION

SI. No.	Description	Details	
1	Dual act Title	Sipat STPP STAGE-III (1x800MW)	
	Project Title		
2	Customer	National Thermal Power Corporation (NTPC)	
3	Location	Sipat STPP is located in Bilaspur district of Chh attisgarh, having latitude and longitude of 220 - 05' to 220 - 09' (N) and 820 -16' to 820 - 18' (E) respectively. The site is approximately 20 K m from Bilaspur city and is approachable via B ilaspur - Baloda State Highway which passes t hrough Sipat.	
4	Nearest Railway Station	Jairamnagar (on Nagpur-Raipur-Kolkata main li ne), approximately 3 km from the project site	
5	Nearest Airport	Raipur Airport, approximately 150 km from the project site	
6	Access By Road/Major Cities	The project site is approximately 20 Km from B ilaspur city and is approachable via Bilaspur – Baloda State Highway which passes through Si pat	
7	Address	Project Director, BHEL Site Office 1X800 MW NTPC SIPAT STPP STAGE-III	
		PO- Ujjwal Nagar, Sipat,	
		Dist - Bilaspur, Chhattisgarh 495555	

The bidder is advised to visit and examine the site of WORKS and its surroundings and obtain for himself on his own responsibility all information that may be necessary for preparing the bid and entering into the contract. All costs for and associated with site visits shall be borne by the bidder.

3.0 SCOPE OF WORK

- a. This specification covers supply including testing and inspection before dispatch, packing, forwarding, transportation, insurance during transit, delivery to site/ stores and super vision during commissioning for 02Nos. 11kV Outdoor RMU.
- b. The scope also includes the circuit breakers, Isolators, current and potential transforme rs, supporting structures, operating mechanism, relays, 230 AC to DC Power Pack for prot ection / relay supply, foundation bolts, all the accessories and auxiliary equipment manda tory spares and special tools for satisfactory installation and operation for RMUs.

3.1 DRAWINGS TO BE SUBMITTED FOR APPROVAL

- a. Foundation Drawings.
- b. SLD
- c. GA. GTP & Datasheet.
- d. Termination Block Details.
- e. Control Circuit Wiring Details.
- f. Auxiliary Power Circuit Details along with battery, charger, converter (if any).

3.2 TESTS:

- a. Selection of test sample shall be done as per relevant IS.
- b. The conductors shall be subjected to routine and acceptance test in accordance with t he relevant IS with latest amendments if any.

3.3 REJECTION AND RE-TESTING:

- a. As per relevant IS with latest amendment if any.
- b. BHEL also reserves the right to check length of the conductor at Store/ Site.
- c. The entire cost of testing for acceptance & routine rests and checking of length etc. sha II be borne by the supplier.

3.4 INSPECTION:

- a. The purchaser's representative shall be entitled to have access to the works and all pla ces of manufacturer. The said representative shall have full facilities for un-restricted ins pection of supplier's works, raw materials, manufacture of conductor and conducting nec essary tests. The supplier shall keep the purchaser informed well in advance of the time of starting and process of manufacture of conductor in its various stages. The acceptance of any quantity of materials shall in no way relieve the supplier of his responsibility for m eeting all requirements of the specification and shall not prevent subsequent rejection, if such materials are later found to be defective. The supplier shall give an 07 (seven) days' notice to BHEL for the readiness of material for inspection through BHEL online inspection system. The details shall be shared with the successful bidder.
- b. No material shall be dispatched from its point of manufacture before it has been satisf actorily inspected and tested, unless the inspection is waived off, by the purchaser in writing.
- c. Successful vendor has to submit Quality Assurance Plan (QAP) to BHEL for approval.
- d. Inspection shall be carried out by BHEL/TPIA.
- e. Delivery schedule also includes pre-dispatch inspection.
- f. Manufacturer to obtain Dispatch Clearance/MDCC (Material Dispatch Clearance Certific ate) as applicable from BHEL before dispatch of material to site. No material shall be dispatched to site without dispatch clearance from BHEL.

3.5 PACKAGING AND FORWARDING

The RMUs along with CTs, PTs, etc. as described in this scope should be packed as per releva nt IS.

3.6 TRANSPORTATON

The transportation and freight, insurance from works of the bidder to the site mentioned is als o in the scope of the supplier.

3.7 UNLOADING: Unloading and storage will be in BHEL's scope.

3.8 SUPERVISION SERVICES (Only during first time commissioning)

The Supplier will arrange for supervision during first commissioning of RMUs. The supplier m ust reach site within 7 days of written communications from BHEL for commissioning of RMU s. Total supervision man-day for commissioning will be 01 days per equipment i.e. total 02 d ays. The commissioning timeline may vary for the individual RMUs. This service to be provided within 6 months from the date of receipt of materials at site.

3.9 GUARANTEE/ WARRANTEE

The material shall be warranted for satisfactory operation for a period of 12 months from the d ate of commissioning of both RMU or 18 months from the date of receipt at site whichever is e arlier.

3.10 SPARES TO BE SUPPLIED ALONG WITH THE MAIN EQUIPMEN T

SPARES FOR RMU		
S. No.	Description	Quantity
1	Closing Coil	01 Nos.
2	Tripping Coil	01 Nos.
3	Power Pack	01 Nos.

4.0 TIME SCHEDULE

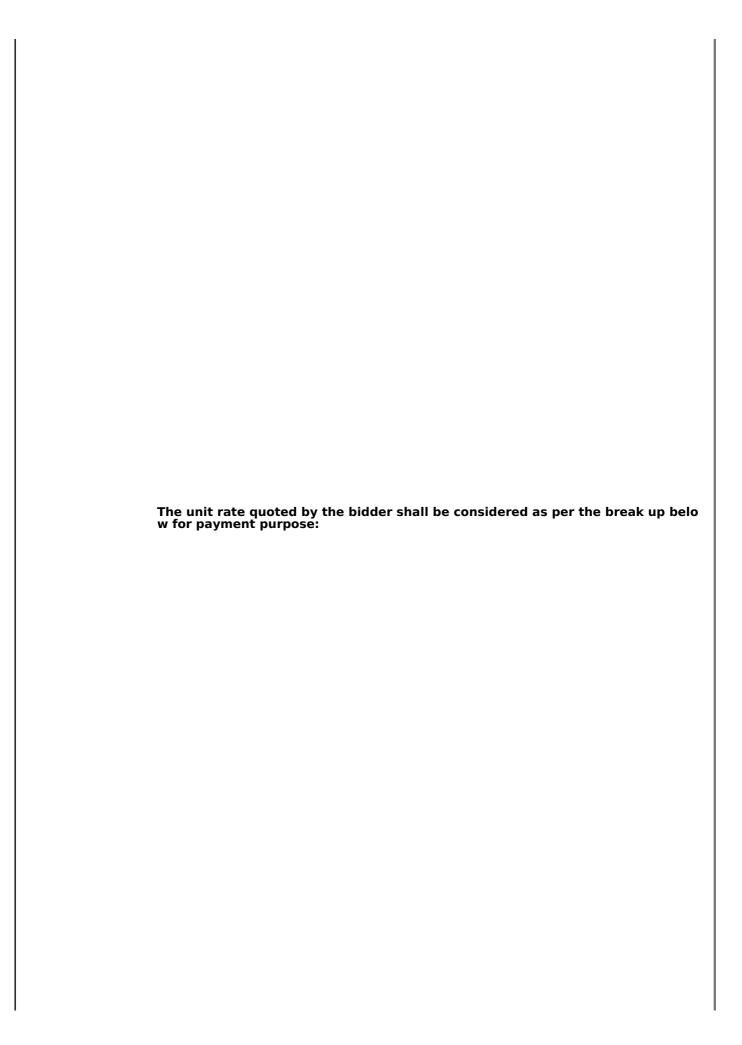
4.:	1	For Supply: Total period for testing and inspection before dispatch, packing and supply at site shall be within 75 days from the date of Purchase Order. In case of any delay beyond mentioned period, LD will be applicable as per clause no 14.
4.:	.	For Supervision. The supplier must reach site within 7 days of written communications for
4.,	ا ک	For Supervision: The supplier must reach site within 7 days of written communications fro

	m BHEL. Total supervision man-day for commissioning will be 01 days per equipment i.e. t otal 02 days. In case of any delay beyond mentioned period, LD will be applicable as per cl ause no 14.
4.2	If the coller/contractor fails to complete the dispatch/ delivery and other called a within
4.3	If the seller/contractor fails to complete the dispatch/ delivery and other schedules within t

he time period stipulated in the order/contract, or within any extension of time granted by the purchaser, it shall be lawful for the purchaser to recover damages for the breach of ord er/ contract without prejudice to any other rights and/ or remedies provided for, in order/ c ontract and hereunder.

4.4	BHEL at its discretion may grant extension of time schedule in case the reasons are beyond the control of the contractor. Contractor shall provide every documentary evidence to prove to the satisfaction of BHEL that the reasons for delay are not in his control.
4.5	Definition of Work Completion: The work under the scope of the contractor will be deemed t

	o have been completed in all respect, only when all the activities, supplies and obligations under the scope of this Tender Specification are completed satisfactorily and so certified by the BHEL site in charge. The decision of BHEL shall be final and binding on the contractor.
5.0	TERMS OF PAYMENT



Ii For supervision: 05% of order value shall be considered for supervison.
A) For Supply: 80% of supply value, on pro-rata basis, shall be released within 90 days 45 days for MSE, 60 days for Medium Enterprises) against receipt and acceptance of medium terial at site and submission of following documents: -
 ii. GST Complaint Invoice (1 Original + 2 copies). iii. Inspection/ test Report duly signed by Supplier's and BHEL's represent ative.
iv. Guarantee Warrantee Certificate for Supplies.v. Store Receipt Voucher issued by BHEL Site.
B) For Supervision: Balance 20 % of supply value and 100% of supervision on pro-rate basis shall be released on successful completion of supervision of the RMUs against su mission of following document: -
i) E&C completion report certified by BHEL site Engineer
ii) Submission of Performance Bank Guarantee (PBG) valid for 30 days beyond warran ee period by supplier from any of consortium Banks of BHEL for 10 % of total PO v ue in prescribed format. The PBG confirmation charges to be borne by the bidder.
Note: PBG clause shall be applicable in case bidder opines to obtain last 20% of Supply value lus 100% of the supervision charges before completion of warranty/guarantee period.
C) RELEASE OF PBG: Security Deposit shall be released after 30 days from successful comple on of Guarantee/Warrantee period, duly certified buy BHEL engineer.

i **For supply:** 95% of order value shall be considered for supply portion.

- **D)** For GST: Applicable GST shall be released upon compliance of following documents:
- i. You declaring such Invoice in your IFF/GSTR-1; and the same should be available to BHE L in FORM GSTR-2B electronically through the common portal.
- ii. Receipt of Goods / services and Tax Invoice by BHEL.
- iii. Confirmation of payment of GST thereon by you on GSTN Portal; and confirmation of payment of such GST to the Government through filing of GSTR-3B of corresponding month/quarter
- iv. Above is subject to receipt of goods / service and tax invoice thereof along with you decl aring invoice in your return and paying GST within timeline prescribed for availing ITC by BHE L.
 - **E)** Paying Authority: Site (Finance), Sipat.
 - F) No Advance shall be paid

6.0 LIST OF STANDARDS APPLICABLE

S. No	List of IS applicabl e	Description
1	IS: 3427	AC Metal enclosed switchgear and control gear for rated vol tages above 1kV and up to and including 52kV.
2	IS: 12729	Common High-Voltage Switchgear and Control gear Standards
3	IS: 1554	Specification for PVC insulated (Heavy Duty) Electrical Cabl es.
4	IS: 11353	Guide for uniform system of marking and identification of co nductors and apparatus terminals.
5	IS: 996	Single phase AC Induction Motor for general purpose.
6	IEC: 694	Polyvinyl chloride insulated unsheathed and sheated cables / cords with rigid and flexible conductor for rated voltages u p to and including 450/750V.
7	IS: 9920	High Voltage Switches.

NOTE: This list of standards applicable is indicative in nature and cannot be taken as a comprehensive list. All the other standards which are applicable as per the statutory rules and regulations are applicable to thi s scope.

7.0 TECHNICAL SPECIFICATION

7.1 TECHNICAL SPECIFICATION OF NON-EXTENSIBLE RING MAIN UNIT (01 BREAKER 11kV AN D 02 LBS 11kV)

TECHNICAL SPECIFICATION OF NON-EXTENSIBLE RING MAIN UNIT (01 BREAKER 11kV AN D 02 LBS 11kV)			
S. No.	Technical Parameters	Values	
1	Standard	IS3427	
2	Rated Voltage	11 kV	
3	11 kV Vacuum Circuit Breaker	01 Nos.	

4	11kV Load Break Switch (LBS)	02 Nos.
5	Mode of Operation	Motorized spring charging with means for manual oper ation during failure of power in addition to electrical o peration.
6	No. of phases	3
7	Rated Frequency	50 Hz
8	Power frequency withstand Voltag	28 kV
9	Rated Short Circuit Current	21 kA for 1sec
10	Degree of Protection	IP55 (Outdoor)
11	Rated Bus-bar Current	Minimum 800A
12	Bus-bar Material & Rating	Copper/ Aluminum (E91E) suitable for minimum 800A with PVC sleeve.
13	Maximum ambient temperature	50°C
14	Energy Meters (Trivector Meter)	As per Chhattisgarh State Power Distribution Compan y Ltd.
15	Indicating Instruments (Ammeter) with selector switch for individual phases	Analog Ammeter of suitable rating.
16	Indicating Instruments (Voltmeter) with selector switch for individual phases	Analog Voltmeter with feed from Three Phase Line PT. Separate Voltage Presence Indication for all breakers and isolators.
17	Current Transformers	Dual Core CT: Meteri ng Core: a. Ratio: 350/5A b. Class: 0.2 c. Burden: 2.5VA Protection Core: a. Ratio: 350/5A b. Class: 5P20 c. Burden: 2.5VA
18	Potential Transformers	Shall be provided for Line Voltage (suitable for 11kV). The same shall be fed to Indicating Instruments and E nergy Meter. The burden shall be calculated accordin gly. Three phase, resin cast, dry type fixed type poten tial transformer.
19	Protection Required with breaker	4 Element (3 Phase + EF) Non Directional Over curren t IDMT via numerical relay.
20	Indicating Lamps	Yes
20a	Breaker: OFF/ON/Auto trip/Trip cir cuit healthy/spring charge indicati on lamps	As per Manufacturer standard in compliance with IS.
20b	R,Y,B Phase Indication lamps	As per Manufacturer standard in compliance with IS.
21	Pad Lock Arrangement	The doors of the RMU shall be provided with padlock a rrangement.
22	Door interlock with breaker	Shall be provided.
23	Terminal Block	Provision of PRV Trip, PRV alarm, Buchholz Trip, Buchholz alarm, OTI alarm, OTI trip, WTI alarm, WTI tri p, MOG alarm. 20% spare TBs.

24	Mechanical Emergency Trip Devic e	Suitable for manual operation in the event of failure of electrical supplies. The device shall be accessible with out opening any access doors and distinctly labelled. It shall be shrouded and protected against inadvertent operation.
25	Annunciators & Hooters	Yes
26	Surge Arrestors	To be provided as per IE standards.
27	Space Heater & Thermostats	Yes
28	Power Pack	230V Single Phase UPS feeder is available from BHEL's end. Further conversion and storage for auxiliary sup ply of the RMU is in the scope of the vendor. The power pack should be capable for minimum 2 trippings even if input to power pack has failed. Separate 230V AC feeder available from BHEL is to be utilized for space heater.
29	Illumination Lamps	One. (The Compartment illumination lamp with door o perated switch shall be provided.)
30	Incoming Cable	1Rx3Cx150 sqmm Armored Al Cable.
31	Outgoing Cables	1Rx3Cx150 sqmm Armored Al Cable.
32	Painting Process	7 tank powder coating, Min Thickness 60 Micron
33	Enclosure Material	Minimum 2mm thick. Base sheet minimum 3mm thick.
34	Earthing Terminals	Earthing Terminals shall be brought out of the enclosu re of the RMU for connection with the earth pits. (Eart h Pits not in the scope of the vendor.)

7.2 OPERATION AND CONTROLS

The breaker shall normally be operated by remote operation. Provisions shall be made for local elect rical operation and mechanical operation also. The following facilities shall be provided in the circuit breaker:

- a. LOCAL/ REMOTE selector switch. The selection of "local" operation shall inhibit the operation of the breaker from any remote source.
- b. ON/ NEUTRAL/ OFF controls switches or ON/ OFF push buttons. The push buttons shall be mo mentary contact type with rear terminal connections.
- c. MECHANICAL EMERGENCY TRIP DEVICE: Suitable for manual operation in the event of failure of electrical supplies. The device shall be accessible without opening any access doors and distinctly labeled. It shall be shrouded and protected against inadvertent operation.
- d. Means shall be provided for manual operation of these circuit breakers during failure of auxil iary power in addition to electrical operation.
- e. Means shall be provided to prevent the mechanism from responding to a close signal when t he trip coil is energized or to reclosing from a sustained close signal either opening due to a tr ip signal or failure to hold in the closed position.

7.3 ENCLOSURE

- a. The enclosure of RMUs shall be provided in a sheet steel enclosure conforming to IS: 342 7.
- b. The panel shall be free standing, dust, moisture, rodents and vermin proof suitable for o utdoor installation. The panel shall have a high degree of protection (IP55) for outdoor inst allation with relevant standard.
- c. All door panels and removable covers shall be gasketed all round with neoprene bonded gasket. Ventilating louvers shall be provided to limit the temperature rise as provided in IS : 12729 and 3427.
- d. The entire equipment shall be enclosed inside this enclosure with only mechanical emerg

ency trip device outside this enclosure.

e. The housing shall be surface treated and painted in accordance with relevant standards.

7.4 PANEL WIRING AND ACCESSORIES

- a. Each panel shall be supplied with complete internal wiring.
- b. Panel wiring shall be suitably bunched and clamped for neat appearance. The conductors u sed for wiring purpose shall be PVC insulated 1100 volt grade semi-flexible heat resistant, fl ame retardant
 - and vermin proof electrolytic copper cable conforming to IS:1554. Each wire shall be continu ous from end to end without any joint in between. All panel wiring shall be capable of withst anding a voltage of 2kV AC 50Hz for one minute.
- c. The size of the conductors for panel wiring shall be not less than 2.5mm².
- d. The wiring used as AC supply for illumination lamp and heater shall be differently colored fr om control wiring so as to distinguish them from each other. The color of all earth wire shall be black.

7.5 TERMINAL BLOCKS

Terminal blocks covered by moulded insulating materials with adequate electrical clearances s hall be provided for terminating the panel wiring and outgoing connections. The termination sh all be made by crimping lugs or bare conductor with insulating sleeves at ends. The arrangeme nt can be horizontal or vertical as per standard practice adopted by the manufacturer. All termi nals must be numbered and wire termination provided with numbered ferrules for identification . All numbering and marking including those in wiring diagram shall follow the guidelines provided in IS: 11353. All circuit breaker auxiliary contracts including spare contacts shall be wired to the terminal blocks. Twenty (20%) percent spare terminals shall be provided.

7.6 CIRCUIT DIAGRAM

A durable copy of the circuit wiring diagram shall be affixed to the inner side of the door of the s witchgear compartment. Labels shall be provided inside the compartment to describe the functions of the various items of equipment.

7.7 MOTOR

The motor for spring charging shall be single phase 230 Volt AC motor. Continuous motor rating shall be at least ten percent above the maximum load demand of the driven equipment. It shall remain within its rated capacity at all operating points that will arise in service. It shall be prote cted by HRC cartridge fuses or MCB. The motor shall comply with IS: 996.

7.8 INTERLOCKS

All doors or shutters which give access to live parts shall be interlocked in such a way that thes e cannot be opened unless the circuit breaker is in the open position. Other interlocks shall be p rovided as deemed necessary for safety.

7.9 TEMPERATURE RISE

The temperature rises and the maximum temperature of any part of the circuit breaker under c ontinuous load condition and exposed in the direct rays of the sun shall not exceed the permissi ble limits as provided in Table V of IEC publication 694 or table 4 of IS: 12729. These limits shall not be exceeded when corrected for the difference between the ambient temperature at site an d the ambient temperature specified in the standard.

7.10 AUXILIARY POWER

Two separate auxiliary power shall be provided by BHEL for each equipment:

- **230V AC UPS Power:** To be utilized for auxiliary power of the equipmen t. Further conversion and storage is in the scope of the vendor.
- **230V AC Power:** To be utilized for Space heater.

7.11 CABLE ENTRY

A removable gland plate shall be provided at the bottom of the cabinet for entry of Purchaser's control, auxiliary power & Power cables in the cabinet.

8.0 MODE OF DISPATCH & ROAD PERMIT:

Mode of dispatch: Road

E-way bill / road permit (if applicable) to be arranged by supplier.

9.0 TAXES AND DUTIES:

9.1 Bidder's quoted/ accepted rates/ price shall be inclusive of all taxes including GST, Charges, Ro yalties, any State or Central Levy and other taxes for materials if any obtained for the work and for execution of the contract.

Any increase of above at any stage during execution of contract, including extension of the contract, shall have to be borne by successful bidder contractor. However, any increase of GST subsequent to due date of offer submission as per NIT & TCN, by statutory authority during contract period (including extension, if the same is not attributable to you), shall be reimbursed by BHEL on production of relevant supporting document to the satisfaction of BHEL.

Benefit of any decrease of taxes including GST, Charges, Royalties, any State or Central Levy and o ther taxes for materials if any obtained for the work and for execution of the contract; subsequent to due date of offer submission as per NIT & TCN, by statutory authority shall be passed on to BHEL.

9.2 Successful bidder shall furnish proof of GST registration with GSTN Portal covering the services under this contract.

Registration should also bear endorsement for the premises from where the billing shall be done by successful bidder on BHEL for this project / work.

- **9.3** Since GST on output will be paid by BHEL as enumerated above, bidder's quoted rates / price s hould be after considering the Input Credit under GST law at bidder's end.
- 9.4 TDS under Income Tax Act shall be deducted as per prevailing IT rules from the bills.
- **9.5** TDS under GST shall be deducted as per prevailing GST rules from the bills.
- **9.6.1** You may collect TCS under section 206C(1H) of Income Tax Act, 1961 if applicable.
- **9.6.2** In case, you collect TCS under section 206C(1H) of Income Tax Act, 1961, following complian ce is required.
- **9.6.2.1** TAN and PAN of vendor should appear in all invoices/claims. Copy of TAN /TCS registration i s to be submitted.
- **9.6.2.2** Amount of TCS and Assessable value on which TCS has been calculated should be specified clearly in the invoice.
- **9.6.2.3** You shall be required to submit certificate of TCS in Form no. 27D within 15 days from the due date for furnishing the statement of tax collected at the source.
- **9.6.3** In case, you do not collect TCS under section 206C(1H) of Income Tax Act, 1961, following de claration is to be submitted along with each invoice: -
- "I/We hereby declare that I/We are not required to collect TCS under section 206C(1H) of Income Ta x Act,

1961, on this bill.

- **9.6.4** In event of failure to comply with the provisions of the Act, or proper certificate not issued, or if tax collected but not remitted to the Government, or for any other reason and thereby causing loss to BHEL, the same shall be recoverable from the vendor with applicable interest.
- **9.6.5** You shall comply with all statutory amendment/notifications in this respect.
- **9.7** Bidder shall note that GST Tax Invoice complying with GST Invoice Rules (Section 31 of GST Act & Rules referred thereunder) wherein the 'Bill To' details shall encompass following. BHEL GSTN 22AAACB4146P1ZP.

Name - BHARAT HEAVY ELECTRICALS LIMITED Address - Ref Consignee address.

Specific details of BHEL GSTN, Name and Address as stated above, have been specified elsewhere in the tender

9.8 Successful bidder to intimate immediately on the day of removal of goods (in case of any supply of goods) to BHEL along with all relevant details and send a scanned copy of Tax Invoice to BHEL through following communication mode for enabling BHEL to meet its GST related compliances. Portal address and Email address – Shall be intimated later.

Specific details of above shall be intimated to successful bidder by BHEL at appropriate juncture.

- **9.9** In case of delay in submission of above-mentioned documents on the date of dispatch, BHEL m ay incur penalty/ interest for not adhering to Invoicing Rules under GST Law. The same will be liable to be recovered from successful bidder, in case such delay is not attributable to BHEL.
- **9.10** In case of raising any Supplementary Tax Invoice (Debit / Credit Note), successful bidder shall issue the same containing all the details as referred to in Section 34 read with Section 31 of GST Act & Rules referred there under.
- **9.11** Successful bidder shall comply with the Time Limit prescribed under the GST Law and rules th ereof for raising of the Tax Invoice. If any supply of goods is applicable, successful bidder shall also ensure prompt delivery of goods after dispatch.
- **9.12** Bidder shall note that in case GST credit is delayed / denied to BHEL due to delayed / non-rec eipt of goods and / or Tax Invoice or expiry of the timeline prescribed in GST Law for availing such I TC, or any other reasons, not attributable to BHEL, GST amount shall be recoverable from successf ul bidder along with interest levied/ leviable on BHEL, as the case may be.
- **9.13** Successful bidder shall upload the invoices raised on BHEL in IFF/GSTR-1 within the prescribed time as given in the GST Act, and the same should be available to BHEL in FORM GSTR-2B electroni cally through the common portal; and confirmation of payment of such GST to the Government through filing of GSTR-3B of corresponding month/quarter.

Bidder shall note that in case of delay in declaring such invoice in your return and GST credit availe

d by BHEL is denied or reversed subsequently as per GST Law, GST amount paid by BHEL towards s uch ITC reversal as per GST law shall be recoverable from the successful bidder along with interest I evied / leviable on BHEL.

- **9.14** Successful bidder to arrange for e-waybill for any movement of goods for the execution of the contract. Successful bidder has to make their own arrangement at their cost for completing the for malities, if required, with Issuing Authorities, for bringing materials, plants & machinery at site for e xecution of the works under this contract, Road Permit / Way Bill, if required, shall be arranged by s uccessful bidder and BHEL will not supply any Road Permit/ Way Bill for this purpose.
- **9.15** Any new taxes & duties, if imposed subsequent to due date of offer submission as per NIT & T CN, by statutory authority during contract period (including extension, if the same is not attributable to you), shall be reimbursed by BHEL on production of relevant supporting document to the satisfac tion of BHEL. However, you shall obtain prior approval from BHEL before depositing new taxes and duties.
- **9.16** Benefits and / or abolition of all existing taxes must be passed on to BHEL against new taxes, if any, proposed to be introduced at a later date.
- **10. EVALUATION CRITERIA**: All Inclusive Total F.O.R Destination Price "(Total Basic Price for supply + Freight + transit Insurance+ Supervision Charges) including GST.

11. DOCUMENTS REQUIRED ALONG WITH DISPATCH OF MATERIAL (Billing Documents):

The following documents are required with dispatch:

- 1. Original Tax Invoice.
- 2. Copy of LR.
- 3. Test Certificate.

12. CONSIGNEE DETAILS:

Project Director, BHEL Site Office 1X800 MW NTPC SIPAT STPP STAGE-III PO- Ujjwal Nagar, Sipat, Dist - Bilaspur, Chhattisgarh 495555

13. INPUT DETAILS FOR INVOICE: Will be intimate later

14.0 <u>Liquidated Damages/Penalty:</u>

Subject to force majeure, If vendor fails to complete the job as per aforesaid supply period, BHEL shall have the right to recover as penalty as below.

- a) Penalty on delay in 'supply' and/or supervision will be applicable to the delays attributed to vendor . Penalty will be considered separately for 'Supply' & supervision:
- i) The rate of penalty for delayed Supply shall be @0.5% per week of delay of total PO value (Supply + supervision) in supply subject to a maximum of 10% of total PO value (Supply + supervision).
- ii) The rate of penalty for delayed supervision shall be @0.5% per week of delay of total PO value (Supply + supervision) in supervision subject to maximum of 10% of total PO value (Supply + supervision).
- iii) Maximum penalty for delay in Supply & supervision together shall be limited to 15% of total P O value (Supply + supervision).

For purpose of penalty for delay in Supervision, the duration will be reckoned from the date of intimation by BHEL to vendor for readiness of site/equipment.

In case of LD recovery, the applicable GST, if any, shall also be recovered from vendor.

15.0 PVC, ORC &Rate revision: Not applicable.

16.0 Quantity Variation: Not applicable

17.0 EARNEST MONEY DEPOSIT (EMD) -

A) EMD of INR **40,000.00** (Indian Rupees Forty thousand Only), shall be submitted by bidder as men tioned below, failing which the bidder's offer is liable for rejection. (except Micro and Small Enterpri ses (MSEs) or Startups as recognized by Department for Promotion of Industry and Internal Trade (DPIIT))

SCAN COPY OF DOCUMENTS IN SUPPORT OF SUBMISSION OF EMD TO BE UPLOADED ALONG WITH TECHNO-COMMERCIAL OFFER IN GEM PORTAL/PLATFORM.

EMD SUBMISSION THROUGH PAY ORDER / DEMAND DRAFT, SAME TO BE SUBMITTED IN SEALED E NVELOPE (SUPERSCRIBING TENDER REFERENCE) TO

SDGM-PURCHASE/ MANAGER-PURCHASE, BHEL BHAWAN, DJ-9/1, SECTOR-2, KARUNAMOYEE, SALT LAKE CITY, KOLKATA-700091, WEST BENGAL

PRIOR TO LATEST DUE DATE OF SUBMISSION OF OFFER.

Modes of deposit:

- a) The EMD may be accepted only in the following forms:
- (i) Electronic Fund Transfer credited in BHEL account (before tender opening).
- (ii) Banker's cheque/ Pay order/ Demand draft, in favour of BHEL (along with offer).
- (iii) Fixed Deposit Receipt (FDR).
- (iv) Insurance Surety Bonds.

B) Forfeiture of EMD:

- i) A bidder's EMD will be forfeited if the bidder withdraws or amends its/his tender or impairs or derog ates from the tender in any respect within the period of validity of the tender or if the successful bidd er fails to furnish the required performance security within the specified period mentioned in the Tender
- (ii) EMD by the tenderer to be withheld in case any action on the bidder is envisaged under the provis ions of extant "Guidelines on Suspension of business dealings with suppliers/ contractors" and forfeite d/ released based on the action as determined under these guidelines.
- **C)** Bid securities of the unsuccessful bidders should be returned to them at the earliest after expiry of the final bid validity period and latest by the 30th day after the award of the contract. However, in ca se of two packet or two stage bidding, bid securities of unsuccessful bidders during first stage i.e. tec hnical evaluation etc. should be returned within 30 days of declaration of result of first stage i.e. tech nical evaluation etc.
- **D)** Bid security should be refunded to the successful bidder on conclusion of the order/receipt of a performance security.
- E) EMD shall not carry any interest."

18.0 Splitting of contract: Not Applicable

19.0 ORDER OF PRECEDENCE:

In case of contradiction / conflict, the order of precedence shall be in the order as per below;

- a) Buyer specific ADDITIONAL TERMS AND CONDITIONS against GeM Bid issued
- b) GeM Bid.
- c) General Terms and Conditions on GeM.

BIDDERS TO REFER THE VARIOUS APPLICABLE FORMA TS UPLOADED IN "BUYER UPLOADED ATC DOCUMENT" BELOW

2. Buyer Added Bid Specific ATC

Buyer uploaded ATC document Click here to view the file.

3. Certificates

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

4. Certificates

Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

5. Generic

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

6. Generic

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

- 1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
- 2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
- 3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
- 4. Creating BoQ bid for single item.
- 5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
- 6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
- 7. Floating / creation of work contracts as Custom Bids in Services.
- 8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for <u>attached categories</u>, trials are allowed as per approved procurement policy of the buyer nodal Ministries)
- 9. Mandating foreign / international certifications even in case of existence of Indian Standards without

- specifying equivalent Indian Certification / standards.
- 10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
- 11. Creating bid for items from irrelevant categories.
- 12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
- 13. Reference of conditions published on any external site or reference to external documents/clauses.
- 14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो।बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---