

Bid Document

Bid Details	
Bid End Date/Time	21-12-2021 15:00:00
Bid Opening Date/Time	21-12-2021 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	80 (Days)
Ministry/State Name	Ministry Of Heavy Industries And Public Enterprises
Department Name	Department Of Heavy Industry
Organisation Name	Bharat Heavy Electricals Limited (bhel)
Office Name	10140027-hppb Trichy
Item Category	Custom Bid for Services - ANNUAL MAINTENANCE CONTRACT FOR OPERATION AND MAINTENANCE OF BHEL 110 OR 11 KV SUBSTATION FOR ONE YEAR()
Contract Period	1 Year(s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
SHG Exemption for Years of Experience and Turnover	No
Bid to RA enabled	No
Time allowed for Technical Clarifications during technical evaluation	20 Days
Evaluation Method	Total value wise evaluation

EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	2.00
EMD Amount	60970

ePBG Detail

Required	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.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

Sr.Engineer
10140027-HPBP Trichy, Department of Heavy Industry, Bharat Heavy Electricals Limited (BHEL), Ministry of Heavy Industries and Public Enterprises
(Suraj Kumar)

Splitting

Bid splitting not applied.

MSE Purchase Preference

MSE Purchase Preference	Yes
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1. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs 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 the Purchase preference 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 service. If L-1 is not an MSE and MSE Service Provider (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, then 100% order quantity will be awarded to such MSE bidder subject to acceptance of L1 bid price.

2. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

Additional Qualification/Data Required

Scope of Work:[1639211000.pdf](#)

GEM Availability Report (GAR):[1639211017.pdf](#)

Service Level Agreement (SLA):[1639211037.pdf](#)

Payment Terms:[1639211043.pdf](#)

Custom Bid For Services - ANNUAL MAINTENANCE CONTRACT FOR OPERATION AND MAINTENANCE OF BHEL 110 OR 11 KV SUBSTATION FOR ONE YEAR (1)

Technical Specifications

Specification	Values
Core	
Description /Nomenclature of Service Proposed for procurement using custom bid functionality	ANNUAL MAINTENANCE CONTRACT FOR OPERATION AND MAINTENANCE OF BHEL 110 OR 11 KV SUBSTATION FOR ONE YEAR
Regulatory/ Statutory Compliance of Service	YES
Compliance of Service to SOW, STC, SLA etc	YES

Specification	Values
Addon(s)	

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity of Procurement (to be chosen 1 in all circumstances)	Additional Requirement
1	Suresh Shanmugam	620014,HIGH PRESSURE BOILER PLANT, BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPPALLI - 620014. TAMILNADU. INDIA.	1	N/A

Buyer Added Bid Specific Terms and Conditions

1. Generic

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- a. Copy of PAN Card.
- b. Copy of GSTIN.
- c. Copy of Cancelled Cheque.
- d. Copy of EFT Mandate duly certified by Bank.

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. 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 specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. 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 governed by the [General Terms and Conditions](#), conditons stipulated in Bid and [Service Level Agreement](#) specific to this Service as provided in the Marketplace. However in case if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement, then it will over ride the conditions in the General Terms and Conditions.

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.

---Thank You---

BHARAT HEAVY ELECTRICALS LIMITED
High Pressure Boiler Plant, Tiruchirappalli- 620014
Maintenance & Services Dept. (FB)
NOTICE INVITING e-TENDER

1.	Tender Ref No:	9252100064 / 11.12.2021	
2.	Tender Type	Open Tender -Two part (e-Tender-Thru GeM portal)	
3.	Name of works	ANNUAL MAINTENANCE CONTRACT FOR OPERATION AND MAINTENANCE OF BHEL 110 / 11 KV SUBSTATION FOR ONE YEAR.	
4.	Location of work	BHEL-Trichy Premises.	
5.	Period of contract	12 MONTHS from the date of award of contract.	
6.	Earnest Money Deposit Amount	Rs. 60970/-	
7.	Contents of Tender Document.	Part-I - TECHNO COMMERCIAL BID	Pages
		NIT & INSTRUCTIONS TO THE TENDERER	1-2
		A.PRE-QUALIFICATION CRITERIA	3
		B. SCOPE OF WORK	4-10
		Annexure-I	11
		Contract Special terms and conditions	12-13
		ANNEXURE - A (No Deviation Certificate)	14
		ANNEXURE - B (Declaration)	15
		Part- II - Price Bid	16
		Annexure for terms under Section c- Technical Terms and conditions, Section D- OTHER TERMS & CONDITIONS OF CONTRACT, Section E- EMD/SD PAYMENT INSTRUCTION THRU E-COLLECT), Section F- TERMS & CONDITIONS TO EMPLOYEES ENGAGED BY THE CONTRACTOR.	
8.	Submission of offer	No physical submission of tender. Tender only to be submitted electronically by logging to GeM portal i.e. https://gem.gov.in/	
9.	Due date for submission of offer	21.12.2021/ 15:00 Hrs.	
10.	Due date for opening of Techno - Commercial Bid	21.12.2021/ 15:30 Hrs.	

SPECIAL TERMS TO THE TENDERER

1.EMD CRITERIA:

- Bidders registered as MSE (UDYAM) are exempted from paying EMD subject to submission of valid Registration document along with Tender. These bidders can avail EMD Waiver benefits only if they submit self-attested copy of UDYAM certificate.
- **Tenders without EMD/ MSE(UDYAM) proof will be summarily rejected and the Technical bid & Price bid shall not be considered for further evaluation.**
- Mode of Payment of EMD: EMD cover shall contain EMD as mentioned in above table. Mode of Payment of EMD: (a) e-Collect mode (as directed in Commercial T & C) or (b) Banker's cheque/ Pay Order/ DD in favour of BHEL or (c) Fixed Deposit Receipt (FDR) issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies act (FDR should be in the name of the Contractor, a/c BHEL). EMD shall not carry any interest.
- FDR- The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of EMD, the FDR will be released in favour of bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter.
- Bidder has to upload scanned copy / Banker's cheque /proof of the DD /FDR/ along with bid and has to ensure delivery of hardcopy to the Buyer within 10 days of Bid End date / Bid Opening date.

2. CONTRACT PERIOD AND PLACE OF WORK:

Duration of the contract: **12 months** from the date of award of contract.

Delivery Schedule:

- a) Personnel posted by the vendor have to work for a minimum time of 8 Hours as per the shifts mentioned under- Scope of work clause- 4.0.MAN POWER DETAILS (QUALIFICATION & EXPERIENCE)
- b) Contractor shall supervise the work carried out by their personnel.
- c) Contractor shall maintain appropriate records of their personnel deployed to carry out the job(s).
- d) The work shall be carried out at **BHEL-Trichy Premises.**

3.LIQUIDATED DAMAGES (LD)/PENALTY:

If the contractor fails to complete the service/work as per terms & conditions of the order within the delivery schedule as per scope of work, LD will be levied as follows.

PENALTY CALUSE ON ACCOUNT OF NON-FULFILLMENT OF O&M WORK

If the contractor fails to complete the service/work as per terms and conditions of the work order, the following penalties will be levied:

1. Failure to provide manpower for substation operation on 3 shifts/day (24 x 7) basis. Penalty - Rs. 1000 per head per shift.
2. Failure to clean the vegetation inside the 110 KV switch yard Penalty - Rs.50/Sq.m of area of vegetation growth
3. Failure of non-completion of the regular maintenance work as per the schedule given by BHEL in charge. Penalty -Rs. 1000/week delay from the scheduled date.

The deductions on account of penalty towards Sl.no.1&2 points will be effected in the monthly bill and for Sl.no.3 deductions will be evaluated once in 3 months.

The maximum LD applicable for the contract shall be limited to 10% of the contract value. In case of any amendments / revision, LD shall be linked to the amended / revised PO value. BHEL may also terminate the contract and forfeit security deposit, if the penalty is beyond 10% of the contract value

4. PAYMENT TERMS:

Payment Cycle : **Monthly**

100% payment will be made after completion of work on monthly prorata basis on submission of error free invoice in triplicate duly certified by Area In-charge. Bills will be paid on issue of consignee receipt cum- acceptance certificate (CRAC) and on-line submission of bills within 45 days from CRAC .

Payment Process

1. Payment shall be made only after submission of invoices, attendance sheet, logbook, service feedback, non-submission of the same may lead to delay/ deduction in payment.

Name of works: ANNUAL MAINTENANCE CONTRACT FOR OPERATION AND MAINTENANCE OF BHEL 110 / 11 KV SUBSTATION FOR ONE YEAR.
Enquiry No.: 9252100064 / 11.12.2021

2. All the penalties/ ne/ interest (if applicable) shall be settled before making the payments. contractor shall not have any objection on the same. Payment shall be made through bank transfer only, in no circumstance cash/ cheque payment shall be made

- Along with bills, Contractors has to furnish copy of the following documents for further processing of bills:
- The Contractor shall submit the bill within a week after at the end of each month in triplicate copies detailing the various items of work done during the month supported by the requisitions issued from time to time
- Any other relevant document which is required from time to time as per BHEL requirement.
- The proof of execution of work should be submitted along with each bill (printed form with covering letter and proof for execution of work).
- If the Contractor is not registered for any statutory obligation and not liable thereto, then a declaration shall be submitted along with offer that they are within the threshold limit.
- No advance may be paid for operational or any other expenses.
- Offer Price shall be inclusive of Goods and Services tax and corresponding TDS will be made as per Government norms.
- The cost of services quoted by the bidder shall cover all aspects of service delivery and include all the components of salary/ wages (minimum wage, insurance, PF, ESI etc.) and taxes, as applicable.
- The payment shall be made as per the financial quotes submitted by the bidder and accepted by the BHEL.

5.Award of work: The work will be awarded on **Total Package Wise L1 basis**.

6.Kindly refer to applicable tender terms under Section c- Technical Terms and conditions, Section D- OTHER TERMS & CONDITIONS OF CONTRACT, Section E- EMD/SD PAYMENT INSTRUCTION THRU E-COLLECT), Section F- TERMS & CONDITIONS TO EMPLOYEES ENGAGED BY THE CONTRACTOR.

PART-I (TECHNO COMMERCIAL BID)

A.PRE-QUALIFICATION CRITERIA

Sl. No	Description	Vendor to confirm
1	Only those bidders who are having valid EA/ESA Electrical license issued by Electrical Licensing Board and valid in Tamilnadu shall quote. Documentary evidence in support of the same shall be enclosed with the offer.	
2	The bidder should have minimum One-year experience in Operation & maintenance in Electrical HT substations and the copy of work order for the same shall be submitted along with the offer. Experience proof from other than BHEL-Trichy complex shall contain above mentioned proof as mentioned in slno.2 along with form 26AS/TDS certificate / bank statement for payment from the organization. Otherwise the offer shall be rejected.	
3	BHEL Vendor Code (If any)	
4	Contact Details : Landline /Mobile number:.	
5	E-mail Address for communication w.r.t tender / award of work.	
6	PAN Number (Copy to be Enclosed)	
7	GST registration Number (Copy to be Enclosed) <ul style="list-style-type: none"> Offer will be entertained only if the bidder has a valid GST registration no. If any specific exemption is available, a declaration with due supporting documents need to be furnished for considering the offer. Otherwise the offer shall be rejected. 	
8	Applicable GST in Percentage(%)	
9	SAC Code	
10	Acceptance for Scope of Work as per the tender.	
11	Acceptance for TECHNICAL TERMS & CONDITIONS & OTHER TERMS & CONDITIONS OF CONTRACT, TERMS & CONDITIONS TO EMPLOYEES ENGAGED BY THE CONTRACTOR.	
12	EMD/ MSE(UDYAM) NO (Copy to be Enclosed) , Declaration & No Deviation Certificate	
13	PF Registration (Copy to be Enclosed) To be obtained before start of work if already not registered	
14	ESI Registration (Copy to be Enclosed) To be obtained before start of work if already not registered	
15	Labour License (Copy to be Enclosed) To be obtained after award of work and before start of work	
16	BHEL may verify the information provided by vendor. In case the information provided by vendor is found to be false / incorrect, the offer shall be rejected. Bidder to confirm.	

NOTE:

- If vendor fails to get PF / ESI /Labour License (As applicable) before start of work, SD shall be forfeited and penal action shall be taken as per Extant rules of BHEL.
- Bidders are requested to upload only relevant documents to meet the pre-qualification criteria of tender only. Additional documents (Company Profile etc.,) not relevant to tender pre-qualification criteria / tender need not be uploaded along with the offer

B. SCOPE OF WORK:

Sl.No	SCOPE OF WORK	Qty	UNIT
10	<p>Operation and Maintenance of 110 KV SS</p> <p>ANNUAL MAINTENANCE CONTRACT FOR OPERATION AND MAINTENANCE OF BHEL 110 / 11 KV SUBSTATION FOR ONE YEAR.</p> <p>SCOPE OF WORK:</p> <p>Carrying out day to day Operation and Maintenance works in 110 KV switch yard, 110/11kV Transformers, 11KV VCB panels, 11KV/415V station transformers, Electrical control panel room, 2x2000KVA Diesel Generator set HT switch gear & NGR panel and other auxiliary equipment installed in the Substation by deploying suitable O&M staff with necessary safety equipment & tools. The O&M should be performed for 24 Hrs. (3 shifts/day), 365 days (inclusive of Sundays & Holidays) for a period 1 year.</p> <p>The list of equipment's available at 110/11kV Substation are mentioned in Annexure -1.</p> <p>A) DETAILED TECHNICAL SPECIFICATION:</p> <p>1.0 OPERATION ACTIVITIES IN 110 KV SWITCH YARD:</p> <p>1.1. Observing and recording the voltage, current, KVA demand, temperature, OLTC system, Tap position of the Four 110/11kV 10/12.5 MVA Transformers and maintaining the correct supply voltage at the Transformers out going as required.</p> <p>1.2. Inspection of all the switch yard equipment as indicated in the single line diagram and noting down any abnormalities of the system and inform to BHEL Substation in-charge for appropriate direction.</p> <p>1.3. Checking all the earth pits, continuity from earth pit to the connecting point and watering periodically for its healthiness.</p> <p>1.4. Cleaning of the 110kV switch yard of area free from vegetation</p> <p>1.5. Checking the Transformer for its normal working condition and inspect the Transformer for any oil leakage, conservator oil level, changing of silica gel etc.</p> <p>1.6. Checking the SF6 breakers daily for the gas pressure position and ensure its safe operation.</p> <p>1.7. Inspect the total substation Bus bar & conductor junction clamps and its connection for healthiness & effectiveness.</p> <p>1.8. Checking the Nitrogen fire protection system daily for the gas pressure position and ensure its safe operation of four transformers.</p> <p>2.0. OPERATION ACTIVITIES IN 110 KV CONTROL & RELAY PANEL ROOM:</p> <p>2.1. Cleaning of all the 11 KV HT SWG panel, control relay panels, battery charger, ACDB, DCDB, 110 KV yard control box, control panels, CT, PT & BAY control junction boxes and RTCC panels once in 3 months.</p> <p>2.2. Checking the DC Battery & Battery Charger for its proper Functioning.</p> <p>2.3. During breakdown/ fault condition, observe the flag indication of the protective relays, lamp indications, annunciators connected with 110 KV and 11 KV panels (Viz.</p>	12	MONTHS

	<p>Distance protection, Restricted Earth Fault, Earth fault, Differential protection, Over Load etc.) and take corrective steps to resume the power as early as possible as directed by Substation in-charge.</p> <p>2.4. Take immediate action to rectify the fault by taking corrective action and details of fault shall be recorded (like IR values and other relevant readings). Before restoring power supply clearance shall be obtained from the Substation in-charge.</p> <p>2.5. Recording all the activities conducted in the Substation log book.</p> <p>3.0. MAINTENANCE ACTIVITIES OF SUB STATION & DG CONTROL ROOM:</p> <p>3.1. During maintenance work, the following works to be carried out at 110 KV Substation yard / 11 KV panels.</p> <p>a) Required line clearance to be obtained for switching OFF 110 KV breakers /isolator /11 KV VCB.</p> <p>b) Draw out breaker, opening of switches to ensure safety during working.</p> <p>3.2. Resume power ('ON') after removing of Earth Rod, inspect the line / panels free from materials / tools and return the LC.</p> <p>3.3. Preventive maintenance to be carried out for all the equipment as mentioned in Annexure-I once in a year and respective preventive maintenance check list has to be filled-in and recorded.</p> <p>3.4. In case of major breakdown or emergency cut OFF power supply to the faulty section, the same to be informed to BHEL Engineer in-charge.</p> <p>3.5. Keeping in touch with TANGEDCO staff for any instructions regarding Operation during power failure/ tripping well in advance and inform BHEL Substation in-charge.</p> <p>3.6. All the electrical complaints should be attended, corrected and recorded immediately.</p> <p>3.7. Maintenance of AC & DC distribution boards and panels of the equipment wherever required.</p> <p>3.8. Proper Safety procedure should be followed by using safety shoes, safety hand gloves etc. as per the instructions while executing the service works in 110 KV yard, 11 KV panel room, DG control room and Battery room, etc.</p> <p>3.9. The contractor may specifically note that the scope of work as detailed above are only indicative of the probable nature of work and the entire scope of work is not limited to the information furnished above.</p> <p>3.10. Required spares will be issued by BHEL at free of cost.</p> <p>4.0. MAN POWER DETAILS (QUALIFICATION & EXPERIENCE):</p> <p>4.1. The contractor shall depute the following manpower:</p> <p>(a). Shift Engineer - 3 persons. (on A, B, C Shift)</p> <p>(b). Shift Technician-3 persons. (on A, B, C Shift)</p> <p>(c). Technicians in General Shift -2 persons. (on G-shift)</p> <p>(d). Shift Timing: "A" shift : 06:00 hrs. to 14:00 hrs. "B" shift : 14:00 hrs. to 22:00 hrs. "C" shift : 22:00 hrs. to 06:00 hrs. "G" shift : 08:00 hrs. to 16:30 hrs.</p>		
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	<p>Note :</p> <p>(i) The Shift Engineer & Shift technician shall attend the duty on 3 shift (24*7) basis on all days in a year.</p> <p>(ii) The Maintenance Technician shall attend the duty on all working days.</p> <p>(iii) No workman will be allowed to work more than 8 hours in any day and more than 6 days in a week. The contractor shall plan for relievers accordingly to fulfil the requirement. It is the responsibility of the contractor to ensure round the clock operation of the plant by engaging at least one shift engineer and one shift technician available at 110kV substation at any point of time. The contractor shall plan for suitable relievers for the persons engaged to meet the 110kV substation O&M activities.</p> <p>Note: The Shift engineer and Technicians shall extend their support for operation of 2x2000 KVA DG sets (on 24hr basis) as and when required.</p> <p>4.2.A qualified and experienced reliever should be available throughout the year to replace Shift engineer/technician during leave/absent period for smooth and continuous operation & maintenance of the substation.</p> <p>4.3. The contractor shall furnish all the contact details of their staff working in the operation and maintenance team, with a copy of their certificates.</p> <p>4.4. HPBP, TRICHY shall have the right to disallow any O&M staff, if found unfit to perform. HPBP, TRICHY instructions issued in writing shall be binding on the contractor who shall replace the person.</p> <p>4.5. The contractor shall provide separately identifiable uniforms for the O&M staff. Necessary PPE like safety hand gloves, safety shoes, safety helmet earthing rods, etc. shall be arranged by the contractor for the O&M staff.</p> <p>4.6. The qualification and experience details shall be as follows:</p> <p>(a).Shift Engineer: Diploma in electrical Engineering with 5yr experience OR, ITI in Electrical trade with minimum of 7 years# experience in EHT substation operation and maintenance with valid C license issued by electrical licensing Board.</p> <p>(b).Technician: Diploma in electrical Engineering with 2 years# experience OR ITI in Elect. Trade with minimum 5 years# experience in EHT Substation operation and maintenance with valid #B#or#C#license or higher issued by Tamilnadu Electrical Licensing Board.</p> <p>5.0. PAYMENT TERMS: Payment can be collected month wise with submission of proper supporting documents and maintenance records. (For detailed refer to payment clause 4.0 of special terms to tenderer)</p> <p>B) MAINTENANCE SCHEDULE:</p> <p>1.0. DAILY MAINTENANCE:</p> <p>1.1. Noting the peak hour readings as per schedule.</p> <p>1.2. Note down the HT/LT/DG/Control room 110 & 11kV switch gear panels meter readings of substation for analyzing and reporting.</p> <p>1.3. Monitoring and recording the transformer parameters such as:</p> <p>a) Winding temperature.</p> <p>b) Oil temperature.</p> <p>c)Oil level in Main tank & condenser bushings</p> <p>d)Checking the breathers of transformer & OLTC.</p>		
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	<p>e) Checking of oil leakage, if any, and take immediate action to stop leakage. (If transformer is required to be sent outside for any modifications / repair / overhauling, the same has to be informed in advance and the cost will be borne by BHEL).</p> <p>f) OLTC oil level checking. OSR relay status and noting down operation counter details.</p> <p>g) OLTC On-line oil filtration unit operations & indications has to be checked - 4 no's.</p> <p>1.4. Cleaning of HT Switch gears panels, control panels and LT panels externally as per the schedule.</p> <p>1.5. Check auxiliary supply and control voltages.</p> <p>1.6. Check the condition of indication lamps provided on HT and LT panels.</p> <p>1.7. Check the proper working condition of RTCC panels for each Transformer.</p> <p>1.8. Check the batteries and battery chargers for proper functioning.</p> <p>1.9. Isolation & Re-energization of feeders as per the demand of operation.</p> <p>1.10. Test & reset the annunciator in all panels, take corrective action whenever necessary.</p> <p>1.11. Required Housekeeping work to maintain aesthetic look as per instruction of Substation in-charge.</p> <p>1.12. Recording on-line data logging system available in BHEL M&S Webpage.</p> <p>1.13. Regular check-up and monitoring of nitrogen purging system and OLTC online oil filtering units available in 4nos of Transformer.</p> <p>1.14. Checking and up keeping lighting systems in switch yard, control room and around control room.</p> <p>1.15 Carrying out minor civil works, plumbing, painting and gardening</p> <p>1.16. Operation coordination with 5 & 7.5MW solar power plants.</p> <p>1.17. Correspondence with BHEL / TANGEDCO officials related with Power Supply operations and interruptions etc#,</p> <p>2.0. Weekly Maintenance:</p> <p>2.1. Carry out preventive maintenance as per the check-lists available in Equipment manuals/ BHEL checklists available with Substation in charge.</p> <p>2.2. Prepare list of spares & materials required for maintenance work and submit it to BHEL in advance.</p> <p>2.3. Maintain/ record the proper storage of material / spares for easy & immediate identification of spares at the time of critical need with the provision of tags, list of materials with the location details.</p> <p>2.4. Carry out battery maintenance as per schedule.</p> <p>2.5. Measurement of voltage of each cell and should be recorded.</p> <p>2.6. Operation of online filtration unit of OLTC of transformer as per Substation in-charge instructions.</p> <p>3.0. Monthly Maintenance:</p> <p>3.1. Checking the discharge devices and fuses.</p> <p>3.2. Carry out preventive maintenance of battery charger in both Float and Boost mode.</p> <p>3.3. Checking of oil leakage and general body inspection of Transformers.</p>		
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	<p>3.4. Manual actuation of cooling fans in Transformers and ensure correctness of running.</p> <p>3.5. Checking the condition of silica-gel in breather.</p> <p>3.6. Checking the oil level in oil seal of breather.</p> <p>3.7. Check the Control room lights, yard lights and water pump at cellar room.</p> <p>3.8. Inspection/Removal & cleaning of stagnated water, sludge in the cable cellars, outdoor cable trenches, Burnt oil pit, Storm water pit & drains as per BHEL engineer instruction then and there</p> <p>3.9. Contractor should submit all log, PM check list and test and calibration reports to Substation in-charge.</p> <p>3.10. Checking the bellow expansion in the marshalling box WTI and OTI.</p> <p>3.11. Checking of exhaust fan in the battery room.</p> <p>4.0. Quarterly Maintenance:</p> <p>4.1. Checking the overall condition of radiators, transformer main tank, Bushings and cleaning the same periodically.</p> <p>4.2. At the time of any total shut down of 110KV SS, checking of all making & breaking points of AB switches, line healthiness, ACSR clamps and connector healthiness, PT & CT terminations, transformer terminations, insulation bushes condition, oil leakage points, etc., Tap changer operations in local & remote.</p> <p>4.3. Rectification & corrective action of loose connections.</p> <p>4.4. Checking the indication lamps and contactors in the nitrogen purging systems.</p> <p>5.0. Yearly /Half Yearly Maintenance:</p> <p>5.1. Prepare the schedule for carrying out preventive maintenance program on the equipment & submit report after completion of maintenance activity.</p> <p>5.2. Check the earth pit values (substations & lightning protection) and do the preventive maintenance.</p> <p>5.3. Testing of all protective equipment in the control panels like over current, earth fault, Buchholz relay, REF relay, etc., and report to be submitted.</p> <p>5.4. Earth resistance testing for earth pits using own instruments and submits report for the same.</p> <p>5.5. Checking of battery cable connections.</p> <p>5.6. Cleaning of all bushings & its inspection thereof, checking of horn gap distance & its tightness.</p> <p>5.7. External cleaning of Transformer radiators.</p> <p>5.8. Checking of all Cooling fans.</p> <p>5.9. Maintenance of OLTC driving mechanism, Oil replacement, operational check & maintaining circuit along with the OEM.</p> <p>5.10. Maintenance of OLTC diverter switch.</p> <p>5.11. Checking of transformer trouble & operating devices.</p> <p>5.12. Checking of marshalling box.</p> <p>5.13. Checking of transformer neutral earthing, body earthing & earth pit resistance measurement</p> <p>5.14. BDV, PPM & Resistivity test of transformer oil.</p> <p>5.15. Tan delta & capacitance measurement of bushing & main windings.</p> <p>5.16. Measurement of winding resistance at all tap positions.</p> <p>5.17. Testing of transformer oil for DGA.</p>		
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	<p>5.18. Based on the recommendation of OLTC OEM and BHEL engineer, OLTC overhauling should be carried out.</p> <p>5.19. Transformer OLTC oil sample has to be taken once in 6, Months advice to test BDV and DGA to assure healthy condition of OLTC oil.</p> <p>5.20. Thermal imaging of all overhead ACSR line joints and</p> <hr/> <p>termination, XLPE cable and submit the hard copy of image with date time to assure healthiness cable and ACSR terminations.</p> <p>5.21. All the meters (voltmeters, ammeters, energy meters, multi function meters, etc.) shall be calibrated with NABL lab certified kits once in year and reports shall be submitted.</p> <p>Contract specific- General Conditions:</p> <p>1.The contractor should engage qualified & experienced operating & maintenance personnel. The total staff proposed for this contract should be mentioned separately for O&M in their offer</p> <p>2.Spares and other consumable items required for maintenance will be supplied by BHEL at free of cost.</p> <p>3.Required Transportation for O&M staff to be arranged by the contractor on their own.</p> <p>4.The contractor shall arrange the following equipment's for annual testing & calibration works along with valid NABL approved lab test reports:</p> <ul style="list-style-type: none"> a) Automatic 3 phase relay testing unit to test numerical relays. b) HV capacitance & tan delta test kit to test power transformer c)Micro ohm meter for contact resistance measurement. d)Transformer winding resistance meter. e) Transformer turns ratio meter. f) Primary current injection test kit up to 2000A for CT test. g)3 Pole/1 Pole time interval meters for breaker timing test. h) Digital/ motorized insulation resistance tester up to 10 KV. i)Battery operated digital / soil resistivity test kit. j)3 Phase Energy Meter Test kit for Energy meter testing. k) Single Phase Automatic / Manual relay test kit for testing numeric / static / Electromagnetic relays. l)Transformer oil test kit. m) Thermal imaging camera. 		
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Annexure-I
List of equipment at 110/11kV Substation

Sl. No	Equipment description	Quantity	UoM
1	96 kV Lightning Arrestor	18	Nos
2	110 kV motorised Isolators with earth switch	4	Nos
3	110 kV motorised Isolators without earth switch	4	Nos
4	110 kV Line current transformer with ratio 500 / 1 A	6	Nos
5	110 kV Transformer bay current transformer 100 / 1 A	12	Nos
6	Potential transformer for bus (110kV/ $\sqrt{3}$) / (110V/ $\sqrt{3}$)	6	Nos
7	110 kV 2000A SF ₆ circuit breaker 3 phase	2	Nos
8	110 kV 1250A SF ₆ circuit breaker 3 phase	3	No
9	110 kV 800A SF ₆ circuit breaker 3 phase	1	No
10	110 / 11 kV, 10 / 12.5 MVA capacity power transformers DYn11 with OLTC	4	Nos
11	11 kV switch board (including bus raiser panels & trunking panels)	31	Nos
12	Maintenance free 110V DC 200Ah battery	1	Set
13	Battery charger	1	No
14	ACDB panel	1	No
15	DCDB panel	1	No
16	Maintenance of UPS along with batteries	1	No
17	Nitrogen firefighting system and control panels	4	Nos
18	2x2000 kVA DG HT VCB panel	6	Nos
19	2x2000 kVA DG NGR control panel	2	Nos
20	Pumps and motor for fuel handling system	1	Set
21	Earth pits	96	Nos
22	Analog Relays and meters in 11 KV SWG, 110 KV C&R, CT, PT, Isolators control and other panels	1	Lot
23	100 kVA Station transformer	1	No
24	Spare items for maintenance (CT, PT, LA, OLTC, etc.,)	1	Lot
25	Water pumps for cable cellar/ burnt oil pits	3	Nos

Contract Special terms and conditions

- 1) Trouble shooting in HT panels and rectification, if defective works to be carried out as instructed by Substation-in-charge.
- 2) Recording attendance of staffs in 3 shifts and coordinating with Substation maintenance & TNEB officials to carry out day-to-day works and take monthly meter reading.
- 3) Constant vigilance of 110/ 11 KV distribution system, incoming and outgoing voltages, and Tap positions of HT Transformer shall be maintained and recorded suitably in daily log sheet and submitted to the Substation-in-charge.
- 4) The log book will be maintained and staff working in the rotational shifts shall maintain & recorded data's and submit to the Substation-in-charge.
- 5) Maintaining good housekeeping in substation, up-keeping the panel boards and surrounding areas, cleaning transformer yard and, batteries etc. as instructed by Substation -in-charge.
- 6) The contractor shall arrange for proper supervision and organization from his side for carrying out the works to the extent of fullest satisfaction of Substation-in-charge.
- 7) The periodical maintenance chart for various operational and control equipment, transformers to be prepared by the contractors and it should be approved by the Substationin-charge before taking over SS O&M.
- 8) A repair request form regarding electrical maintenance will be provided to the contractor. They should enter the data like date of receiving complaint, date of completion of job, materials / spares used for that work etc. and submit to the Substation-in-charge.
- 9) Adequate precaution shall be taken to prevent danger from electrical equipment. No materials on any of the sites of work shall be so stacked or placed as to cause danger or inconvenience to any person/equipment.
- 10) All necessary personal safety equipment as considered adequate by the Engineer should be kept available for the use of the person employed on the site and maintained in a condition suitable for immediate use and the contractor should take adequate steps to ensure proper use of equipment by those concerned. Inspection of all equipment and noting down any abnormalities of the equipment's and reporting to the shift in charge of substation.
- 11) Studying the logbook and note down the operation carried out in the previous shift and complete the pending works.
- 12) The contractor has to submit the organization chart of their set up for the works and any change thereafter in the organization set up should be intimated to Substation-in-charge.
- 13) The contractor shall carry out health performance test at its cost for all the workmen engaged in the work through a registered medical practitioner and produce certificate on demand.
- 14) It shall be the responsibility of the contractor to see the workmen do not utilize the departmental canteen facilities. Contractor has to make his own arrangement to provide refreshment of the workmen.

- 15) Contractor's materials such as tools, testing equipment etc., shall have to be brought inside the factory/switch yard with proper documents/voucher and make necessary entry in the security gate. They should maintain proper record for tool equipment, materials etc., brought inside the factory complex.
- 16) The contractor should extend fullest cooperation with the third party agencies engaged, if any by BHEL to adhere the statutory regulations.
- 17) Water and electricity will be provided by this organization at free of cost at site.
- 18) The contractor shall be responsible for the equipment and materials handed over to him and in case of any mishandling or missing of the same shall be repaired or replaced by his own risk and cost.
- 19) Effective periodical supervision, apart from the regular work done by the Shift Engineer/technician during round the clock maintenance of the substation should be made by the higher level competent person of the contracting organization.
- 20) Any damage done to the existing installation, equipment or building particularly due to the negligence of the contractor shall be the entire responsibility of the contractor to repair, rectify and replace the same at free of cost.
- 21) Timely submission of the invoice with all necessary supporting documents for the work done or the duration of the work has completed to be ensured.
- 22) All the instruments brought by the contractor for maintenance work should have valid calibration certificate from NABL accredited labs.
- 23) The working staff should have the knowledge & Experience in operating the firefighting unit and first aid treatment.
- 24) The Contractor should apply Occupational Health & Safety regulations, Codes and practices in the work place.
- 25) Induction into workplace - location of work area and storage area, Timetable, Uniform, House-Keeping rules, Emergency procedures, Evacuation procedures should be provided by the contractor.
- 26) Annual test reports for relays and meters and other equipment shall be submitted in duplicate within a month after the completion of testing.
- 27) Maintenance/ store/ incident/ accident records shall be maintained as per the instruction of Substation-in-charge.
- 28) All the O&M staff shall be provided with First aid and firefighting training by certified agents.
- 29) All other terms & Conditions shall be accepted by the vendor as per the Tender Documents

PART-I (No Deviation Certificate)

ANNEXURE-A

Note: The following Declaration to be typed on the contractor's Letter Head, duly signed & stamped and to be attached along with your Technical bid of the tender.

Name of works: ANNUAL MAINTENANCE CONTRACT FOR OPERATION AND MAINTENANCE OF BHEL 110 / 11 KV SUBSTATION FOR ONE YEAR.
Enquiry No.: 9252100064 / 11.12.2021

I/We M/s.
have read and clearly understood all the Terms and conditions in Tender Schedule of and accordingly accept the same without any deviation what so ever.

- I/ We unconditionally agree to all the tender conditions and no new conditions are imposed by us in the technical / price bid. I understand in the event of imposing any condition in the technical / price bid, such condition would be ignored by BHEL and only the prices will be considered for the purpose of evaluation”*
- I/ We confirm that none of our group concern or affiliates etc., appears on the list of banned firms / companies by BHEL (list available on www.bhel.com) nor any of the Director / Partner / proprietor of bidder / such group concern or affiliate etc. are involved with such company.*
- I/ We also declare that, we have not been suspended or black listed or issued with Show Cause Notice by BHEL- Trichy or any other BHEL Unit or any PSU/ Government organization.*
- I/ We confirm that other than us, none of our group concerns or affiliates etc. are participating in the tender either directly or indirectly through any other agency under same proprietor / common director(s) / common partner(s).*
- I/ We confirm that if any of the above statement / information furnished by us in this tender is found to be false/ fake at any stage of tender evaluation or during execution of contract, BHEL will have the right to initiate appropriate action including legal proceeds / termination of contract, recovery of damages, penalties etc. as deemed fit.*
- Make in India declaration - “I / We hereby declare that I / We are a “Local Supplier” meeting the requirement of minimum local content (50%) defined in the above government notification for the goods against above mentioned enquiry Number. Details of location at which local value addition will be made is BHEL-Trichy.” (In line with Government public procurement order Number P-45021/2/2017-B. E-II dated 15.06.2017, and further modified order dt. 28.05.2018,29.05.2019 & 04.06.2020.)*

(Contractor Signature with Seal)

PART-I (Declaration)

ANNEXURE-B

Note: The following Declaration to be typed on the contractor's Letter Head, duly signed & stamped and to be attached along with your Technical bid of the tender.

Name of works: ANNUAL MAINTENANCE CONTRACT FOR OPERATION AND MAINTENANCE OF BHEL 110 / 11 KV SUBSTATION FOR ONE YEAR.

Enquiry No.: 9252100064 / 11.12.2021

DECLARATION

I / We M/s. do hereby confirm the following points with ref to the above works, if ordered on us.

1. We do hereby confirm that we will pay (i) at least the minimum wages (minimum basic wages + minimum DA) to all the persons engaged (Un Skilled / Semi Skilled / Skilled /Supervisor category) by us in the above contract as per the Tamilnadu Government Minimum Wages Act - 1948 & also as per any revisions made by the State Govt. from time to time and (ii) Additional Wages as per HR / BHEL circular ref: BHE: HR: W: EW dt 08.04.2014 and (iii) Bonus as per the Bonus Act-1965 along with Wage.
2. ESI, PF & Bonus (both Employer and Employee contributions) amounts are to be remitted for total wages to be paid as mentioned in (i) & (ii) of point 1 and challans to be produced along with invoices for all the respective persons engaged in the above contract.
3. The rates quoted in this tender will remain firm throughout the entire Contract period and no extra payment against service charges will be claimed from BHEL under any circumstances from our end.
4. We, the contractor, will disburse the salary/wages to all the persons engaged in the contract ONLY through nationalized banking channel in their respective accounts & the relevant Bank statement / proof for Bank payment will also be produced along with PF and ESI challans to the Welfare Section every month for processing our invoices for payment.
5. We will pay the previous month salary in full to our employees before 7th of every month and will not adjust with any advance/ loan /training cost / accommodation cost / repayment due by the employee to us.
6. All the payments to the persons engaged in the contract will be paid only through nationalized bank. No other mode of payment (hand payment / account transfer as advance payment or any other) is acceptable as salary.
7. We will pay the following additional wages (As per BHEL circular HR-Welfare circular dt 08.04.2014) per month over and above minimum wages declared by Tamil Nadu Government to labors : a) Unskilled: Rs.3,200/- , b) Semi-skilled: Rs. 3,700/- and c) Skilled : Rs. 4,100/-
8. In case we fail to pay the minimum wages to all the persons engaged in the contract which includes Minimum wages and Additional wages with ESI and PF (both Employee and Employer contributions) for every month including Bonus, BHEL has the right to recover from the outstanding payments to us either under this Contract or in any other Contract(s) or from Security Deposit or from both. In case this amount is insufficient for such recoveries, we shall make good the balance amount by actual payment. In addition, BHEL, Trichy may recover the said amounts through other running contracts from BHEL's sister units.
9. We also confirm to all the Terms & Conditions as per your above referred Enquiry & as per our offer submitted against the same.
10. We also declare that, we have not been suspended or black listed or issued with Show Cause Notice by BHEL Trichy-14 or any other BHEL Unit or any PSU/ Government organization
11. confirm that none of its group concern or affiliates etc., appears on the list of banned firms / companies by BHEL (list available on www.bhel.com) nor any of the Director / Partner / proprietor of bidder / such group concern or affiliate etc. are involved with such company.
12. Confirm that other than the bidder, none of its group concerns or affiliates etc. are participating in the tender either directly or indirectly through any other agency under same proprietor / common director(s) / common partner(s).
13. We will obtain and submit Labour License (As applicable), PF and ESI Registration within 30 days from award of work.

(Contractor Signature with Seal)

PART-II (PRICE BID)

Sl. No	QTY	SCOPE OF WORK	TOTAL Value (Total one-year value of ANNUAL MAINTENANCE CONTRACT FOR OPERATION AND MAINTENANCE OF BHEL 110 / 11 KV SUBSTATION FOR ONE YEAR. for all tabulated below)	
			In Figures	In Words
10	FOR 1 YEAR (PERIOD- 12 MONTHS)	Operation and Maintenance of 110 KV SS	Vendor to quote lumpsum value only in GeM portal.	This value shall be calculated automatically in GeM portal.

NOTE:

- 1) The bidder should quote the **LUMP SUM VALUE** and not the individual rates for every item.
- 2) GST and all other taxes & duties are to be included in the quoted rate.
- 3) Detailed scope of work and other terms and conditions are specified in the Part-I - TECHNO COMMERCIAL BID.
- 4) L1 offer will be decided based on **TOTAL cumulative L1** value and order will be placed on single contractor.

C. TECHNICAL TERMS & CONDITIONS:

1. TERMS & CONDITIONS FOR GEM TENDER BIDDING:

- a. The Bidder shall sign & stamp each and every page of tender documents, and affix seal for having accepted the conditions along with documentary evidences for Pre-Qualification Criteria (PQC) and upload in GeM portal. Any bid without proper documentary evidence for PQC shall not be considered for further evaluation.
- b. All entries in the tender documents should be in one ink or typed. Tenders should be FREE FROM CORRECTION AND ERASURES, Corrections if any, must be attested. Offers should be in ENGLISH and accompanied by detailed Point to point confirmation of the scope of work.
- c. Offer should be valid for a period of 80 (Eighty) days from Technical Bid opening date.
- d. Any deviation to this tender terms & conditions, and schedules of this tender will lead to total rejection of the offer submitted.
- e. Tenderer who have been suspended or black listed or issued with "Show Cause Notice" by BHEL, Tiruchirappalli -620014 or any other unit or GOI will not be allowed to participate in the tender, and bidder should declare the same in the tender. Even during the course of evaluation/ finalization of tender if it is found that some of the parties are black listed/ barred from business transaction/ under business hold, BHEL will not consider them for further participation in the tender.
- f. Should a tenderer find discrepancies or omissions in the tender documents, or should there be any doubt as to their meaning, he should at once address the authority inviting the tender, for clarification well before the due date, so as to submit his tender in time. No extension of time shall be given for submission of the tender on any account. Conditional tenders, tenders containing prima-facie absurd rates and amounts, tenders which are incomplete or otherwise considered defective and tenders not in accordance with the tender conditions herein contained and the tenders not in original ARE LIABLE TO BE REJECTED
- g. Bid price should be quoted as per the Price Bid format mentioned in GEM tender document. Rates quoted in any other form will not be accepted, and will be rejected.
- h. The tender must be signed digitally / physically by Partner/ Director of the Firm or by the person holding the Power of Attorney on behalf of the Firm concerned. In the latter case, a copy of Power of Attorney, duly attested by a Notary Public must accompany the tender.
- i. If a tenderer deliberately gives wrong information in his tender or creates conditions favourable for the acceptance of his tender, the BHEL RESERVES THE RIGHT TO reject such tender at any stage.
- j. Words imparting singular number shall be deemed to include plural number and vice-versa where the context so requires.
- k. Canvassing in any form in connection with tenders is strictly prohibited and the tenders submitted by the Contractors who resort to canvassing will be liable for rejection.
- l. Should a Tenderer's or a Contractor's or in the case of a firm or company of contractors/any of its shareholder's or shareholder's relative is employed in BHEL, the authority inviting the tenders shall be informed in writing of this fact at the time of submission of the tender, failing which the tender may be disqualified, or if such fact subsequently comes to light, the contract may be cancelled.
- m. The tender schedule, and the tender shall be deemed to form an integral part of the contract to be entered into for this work.

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- n. Tender can be cancelled at any stage due to unavoidable circumstances.
- o. Kindly ensure that the total size of the scanned documents to be uploaded remains minimum. If required, documents may be scanned at lower resolutions say at 150 dpi. However, it shall be sole responsibility of bidder that the uploaded documents remain legible.
- p. Bidder are advised not to wait till the last minutes or last few seconds w.r.t tender closing time to submit their offer to avoid complications related with internet connectivity / network problem/ power failure etc.
- q. It is advised that all the documents to be submitted are kept scanned or converted to PDF format in a separate folder on your computer before starting online submission.
- r. The bidder has to upload the scanned copy of all the mentioned original documents (in colour) during online bid-submission.

2. PARTICIPATION.

- a) The Parties who have been suspended or black listed or issued with “Show Cause Notice “by BHEL Trichy-14 or any other BHEL Unit will not be allowed to participate in the Tender.
- b) Other than the bidder None of its group concerns or affiliates etc. are participating in the tender either directly or indirectly through any other agency under same proprietor / common director(s) / common partner(s).
 - i. The bidder should declare the same in the Tender. Even during the course of evaluation / finalization of Tender if it is found that some of the parties are not fulfilling the above clauses, BHEL will not consider them for further participation in the Tender.

3.EVALUATION CRITERIA:

- a) The Part I - Technical & un-priced commercial bid and EMD Cover alone would be opened on the Tender opening date.
Technical Bids of tenderers will be evaluated based on the Pre-Qualification/Technical Eligibility Criteria on the basis of supporting documents and track record of the bidder. Clarifications if any required by BHEL for Technical evaluation would be sought from Bidders before opening of Part II - price bid.
- b) Price Bids of only those tenderers who are found to meet the Pre-Qualification/Technical Eligibility Criteria will be opened as per GEM portal provision. Status of technical qualification and price bid opening will be intimated to bidders suitably.

4.CRITERIA FOR AWARD OF WORK:

- a) The evaluation of offer for award of work shall be on the basis of “Total Cost to BHEL/ Net Cash outflow to BHEL after taking into account applicable Taxes and Duties”.
- b) The work will be awarded as per Special term to Tenderer clause – Award of work.
- c) In the course of evaluation if more than one bidder happens to occupy L-1 status,, effective L-1 will be decided by RA as per GEM provision. Ranking will be done accordingly. BHEL’s decision in such situations shall be final and binding
- d) The quantity mentioned in BOQ/ Price bid is tentative. BHEL reserves the right to increase or decrease the quantity during award of work or issue work order in phase manner as per requirement of BHEL with mutual acceptance.
- e) The Evaluation currency for this tender shall be INR.

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- f) The Price that is offered should be comprehensive and no separate charges will be made towards expenses like travel, boarding & lodging.

5.RATE FINALIZATION

- a) Lowest prices received against BHEL Tenders need not be acceptable to BHEL and in that case BHEL would not be considered the same for award of Contract. BHEL would negotiate or re-float the Tender opened if L1 price is not the lowest acceptable price to them inter-alia other reasons.
- b) Tenderers are requested to give their best prices at the first instant itself.
- c) In the event of the final L1 prices are not reasonable / acceptable to BHEL, BHEL also may resort to short closure of this open Tender.

6. TERMS & CONDITIONS FOR EXECUTION OF THE CONTRACT INSIDE FACTORY PREMISES OF BHEL-TRICHY /Vendor WORKS:

a) SAFETY:

- i. Safety precautions have to be ensured by the Contractor Depending on the work. Necessary work permit system and personal protective equipment's (PPE) such as electrical resistance rubber gloves, helmet, spectacle goggles, safety shoes, safety belt, etc. as applicable to Mechanical works should be adhered while carrying out the work.
- ii. PPES for appropriate trade job has to be ensured by the contractor at the job site at all times.
- iii. The work nature may demand working at heights and/or at depth areas. Hence all staff members must be of sound Physical and Mental Health who can complete the job without harming himself and others.
- iv. In case any employee found incompetent to carry out the work as stated above/ misbehaving others/ consumed alcohol, he shall be sent out of the factory and the contractor has to arrange alternate manpower immediately. Else the day shall be marked absent.
- b) Before quoting the bidders may inspect the site of work and its environments and be well acquainted with the actual working and other relevant conditions, position of materials and labour. Tenderers are also requested to go through General Instructions, Technical Terms & conditions, General Terms & conditions of Contract, Scope of work, drawings and specifications and all other documents which form part of the agreement to be entered into.
- c) The contractor should bring their manpower to BHEL premises at his/her own cost, risk and execute the work allotted to him inside BHEL premises.
- d) Attendance register should be maintained by the contractor and should be duly signed by contractor's manpower.
- e) All safety equipment's are to be arranged for the workmen and safety rules & regulations are to be followed as per BHEL's Safety Rules and Regulations.
- f) BHEL will no way be responsible for any loss of life or any injury caused to any of the contractors or their crew while executing the above work at BHEL premises.
- g) The contractor or his/her crew should handle the machinery and other equipment's entrusted to them by BHEL with utmost care and return them safely after execution of stipulated work. The cost of damage, repair due to improper handling of machinery and equipment will be recovered from the contractor.
- h) Contractor shall supervise the work carried out by his/her employees.
- i) Contractor shall ensure that the employees deployed in the premises of BHEL are physically and mentally fit and do not have any criminal record. Such employees should possess requisite skill, proficiency, qualification, experience etc.
- j) Contractor shall maintain appropriate records of his/her employees deployed to carry out the job(s).

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- k) Contractor will be responsible for the good conduct of his/her employees. In case of any misconduct/misbehaviour by any employee, the contractor will replace such employee(s) immediately.
- l) Contractor will ensure that the job is executed through his/her employees on and under no circumstances, the contractor will not deploy any casual employee to carry out the job nor shall subcontract the job.
- m) The liability for any compensation on account of injury sustained by an employee of the contractor will be exclusively that of the contractor.
- n) Contractor shall observe provisions of the Factories Act, 1948 in respect of working hours, holidays, rest intervals, leave and overtime to his/her employee. No work shall be done on second/third shift, overtime, Sundays or on other declared holidays without written permission.
- o) The contractor should maintain a 'Work Diary containing the details of work executed by him from time to time on Shift/Daily basis and obtain the signature from official concerned nominated for this/her purpose for having executed the work correctly and satisfactorily.
- p) The proof of execution of work should be submitted along with each bill (printed form with covering letter and proof for execution of work).
- q) **Bills should be submitted immediately (within one week) on completion of the billing cycle as mentioned in payment terms with all supporting documents**
- r) In the event of termination of contract for any reason whatsoever, the contractor shall withdraw all his/her employees from the establishment of BHEL. In case, contractor decides to terminate services of his/her employees, he should settle all terminal dues including retrenchment compensation.
- s) BHEL reserves the right to cancel/short close and terminate the contract at any point of time after giving intimation to the vendor.
- t) BHEL will have nothing to do or be concerned with the employment of employees working for the contractor. The relationship between BHEL and the contractor will be that of independent entities and nothing herein contained will amount to joint venture, partnership or on employer-employee relationship. Supervision of work shall be done by the contractor / his authorized Supervisor exclusive for this work only.

7.IMPORTANT NOTE: BHEL reserves the right to short close this work with one-month advance notice due to administrative reasons. BHEL's decision in this regard is final. Under such circumstances payment will be made for on pro rata basis for the service rendered out up to the period.

8. Labour licence shall be applicable as per Govt prevailing norms.

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D.OTHER TERMS & CONDITIONS OF CONTRACT

1. Definition:

In these General Conditions of Contract, the following terms shall have meaning hereby assigned to them, except where the context otherwise requires:

- a) The "Contract" means, the documents forming the tender and acceptance thereof, together with all the documents referred to therein including general and special conditions to contract. All these documents as applicable taken together shall be deemed to form one contract and shall be complementary to one another.
- b) The "Work" means, the work described in the tender documents in individual work orders as may be issued from time to time to the contractor by the Officer-In charge within the power conferred upon him including all notified or additional items of works and obligations to be carried out as required for the performance of contract.
- c) The "contractor" means, the individual Firm or Company whether incorporated or not, undertaking the work and shall include the legal personal representatives of such individuals or the persons composing the firm or Company or the successors of the firm or company and the permitted assigns of such individual or firm or Company.
- d) " The Officer-In charge" means, the Officer deputed by the BHEL to supervise the work or part of the work.
- e) "Approved" and "Directed" means, the approval or direction of the respective area HOD or person deputed by him for the particular purposes.
- f) "BHARAT HEAVY ELECTRICALS LIMITED" (hereinafter referred to as BHEL) shall mean the Board of Directors, Chairman, Executive Director, General Manager or, other Administrative Officer of the said Company including **AGM / M&S** authorised to invite tenders and enter into contract for works on behalf of the Company.
- g) The "Contract sum" means, the sum accepted or the sum calculated in accordance with the prices accepted in tender and / or the contract rates as payable to the contractor for the execution of the work during the currency of the contract.
- h) A "week" means, Seven Days, without regard to the number of hours worked or not worked in any day in that week.
- i) A "day" means, the day of 24 hours (TWENTY-FOUR) irrespective of the number of hours worked or not worked in that day.
- j) A "working day" means, any day other than that prescribed by the NEGOTIABLE INSTRUMENTS ACT as being a Holiday, and consists of the number of hours of labour as commonly recognised by good employers in the trade in the district where the work is carried out or as laid down in the BHEL regulations.

2.Heading to the Contract Conditions:

The heading to these conditions shall not affect the interpretations thereof.

3.Deviations:

The contractor shall not carry out any work not covered by schedule except in pursuance of the written instructions of the respective area HOD/M&S. No such work shall be valid unless the same has been specifically confirmed and accepted by BHEL in writing and incorporated in the Contract.

4.Work to be carried Out:

The Contract shall include all labour which may be required for the execution of the work. The Contractor will be deemed to have satisfied himself as to the nature of the site, local facilities of access and all matters affecting the execution of the work. No extra charges consequent on any misunderstanding in these respects or otherwise will be allowed.

5.Assignment of Transfer of Contract: The Contractor shall not, assign or transfer the contract or any part thereof, or any share, or interest thereon to any other persons.

6.Sub-Contract: *The Contractor shall not sublet any portion of the contract.*

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7. Compliance to Regulations and Bye-Laws:

The Contractor shall confirm to the provisions of any statute relating to the work and regulations and Bye-laws of any local authority. The Contractor shall be bound to give all notices required by statutory regulations or by-laws as aforesaid and to pay all fees and taxes payable to any authority in respect thereof.

8. Earnest Money Deposit (EMD) & Security Deposit (SD):

Earnest Money Deposit (EMD): Tender must be accompanied by Earnest Money for the amount mentioned in tender notice, pledged to BHEL, Trichy.

Modes of Deposit: Payment of EMD should be done in the methods given in "Instructions to the Tenderer".

Forfeiture of EMD: EMD by the tenderer will be forfeited as per tender documents if

- i) After opening the Tender, the Tenderer revokes his Tender within the validity period or increase his earlier quoted rates.
- ii) If only, a part of the work included in the tender has been awarded to the tenderer and the tenderer refuses to take up the work the amount of Earnest Money to be forfeited will be based on the value of the contract so awarded.
- iii) The Tenderer does not commence the work within the period as per LOI / Contract. In case the LOI / Contract is silent in this regard then within 15 days after award of Contract.

General Terms related to EMD:

Earnest Money Deposit (EMD) will not carry any interest.

Earnest Money Deposit (EMD) of the successful tenderer will be retained as part of Security deposit. The Earnest Money Deposit (EMD) will be refunded to the unsuccessful tenderers within 30 days of acceptance of the award of work by successful tenderer / expiry of offer validity period

Security Deposit (SD):

The contractor whose tender has been accepted shall, within 15 days of receipt of the notification of acceptance of his tender, should deposit Security deposit @ 5 % of Contract value.

Modes of Deposit: The balance amount to make up the required Security Deposit of 5% of the contract value may be accepted in the following forms:

- a) Cash (as permissible under the extant Income Tax Act)
- b) Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL
- c) Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL
- d) Fixed Deposit Receipt issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL)
- e) Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (held in the name of Contractor furnishing the security and duly endorsed/ hypothecated/ pledged, as applicable, in favour of BHEL)

General Terms related to SD:

The security Deposit will not carry any interest.

Security Deposit shall be released to the contractor upon fulfilment of Contractual obligations as per terms of contract.

BHEL, shall not be responsible for any loss of securities due to liquidation or any other reason whatsoever or any depreciation in the value of the Securities while in their charge or for any loss of interest thereon.

NOTE: Acceptance of Security Deposit against Sl. No. (iii),(iv) and (v) above will be subject to hypothecation or endorsement on the documents (Signature of the Branch Manager must be present) in favor of BHEL. However, BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith.

All compensation or other sums of money payable by the contractor to BHEL under the terms of this contract or under any other contract with BHEL, may be deducted from the Security Deposit or realized by the sale of the securities of from the interest arising there from or from any sums which may be due

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or may become due to the contractor payable by BHEL, on any account whatsoever against this contract of any other contract with BHEL and in the event of his Security Deposit being reduced by reason of such deductions or sale as aforesaid, the Contractor shall within **15** days thereafter make good in cash or in securities endorsed as aforesaid, any sum or sums by which the security Deposit has been so reduced. In case of an Award of a Contract and if the Contractor fails to perform or does not comply with the Performance Evaluation Criteria, the Security Deposit will not be refunded / Bank Guarantee encashed. The Bank Guarantee shall be kept valid until the due date for refund of Security Deposit.

Security Deposit has to be deposited within 15 days of LOI/WO. Else may attract the provision of "Suspension of Business dealings with Suppliers/Contractors".

EMD&SD is forfeited in case of any failure in execution of the contract or due to any shortcomings observed in the documentation furnished earlier for getting qualified or in case the Contractor is banned. GST will be charged on the SD amount forfeited from the bidder at the applicable rates. GST tax Invoice will be issued to the vendor on receipt/recovery of GST amount from the vendor.

Security Deposit shall not be refunded except in accordance with the terms of Security Bond or Agreement. BHEL shall not be responsible for any loss of securities, due to liquidation for any other reasons, what-so-ever or any depreciation in the value of the securities while in their charge or for any loss of interest there on.

Bidder agrees to submit performance security required for execution of the contract within the time period mentioned. In case of delay in submission of performance security, enhanced performance security which would include interest (SBI rate + 6%) for the delayed period, shall be submitted by the bidder. Further, if performance security is not submitted till such time the first bill becomes due, the amount of performance security due shall be recovered as per terms defined in NIT / contract, from the bills along with due interest

9. GOODS & SERVICE TAX (GST) REGISTRATION & COMPLIANCE

- a) Response to Tenders for Indigenous supplier will be entertained only if the vendor has a valid GST registration No (GSTIN) which should be clearly mentioned in the offer. If the dealer is exempted from GST registration, a declaration with due supporting documents need to be furnished for considering the offer. Dealers under composition scheme should declare that he is a composition dealer supported by the screen shot taken from GST portal. The dealer has to submit necessary documents if there is any change in status under GST.
- b) Supplier shall mention their GSTIN in all their invoices (incl. credit Notes, Debit Notes) and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No. which is linked/uploaded in GSTN network shall be clearly indicated), Billed to party (with GSTIN) & Shipped to party details, item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, Place of Supply etc.
- c) All invoices shall bear the HSN Code for each item separately (Harmonized System of Nomenclature)/ SAC code (Services Accounting Code).
- d) Invoices will be processed only upon completion of statutory requirement and further subject to following:
 - i. Vendor declaring such invoice in Form GST ANX-1
 - ii. Receipt of Goods or Services and Tax invoice by BHEL
- e) As the continuous uploading of tax invoices in GSTN portal (in GST ANX-1) is available for all (i.e. both Small & Large) tax payers under proposed new GST Return System, all invoices raised on BHEL may be uploaded immediately in GST portal on dispatch of material /rendering of services. The supplier shall ensure availability of Invoice in GST portal before submission of invoice to BHEL. Invoices will be admitted by BHEL only if the invoices are available in GSTN portal (in BHEL's GST ANX-2).

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- f) In case of discrepancy in the data uploaded by the supplier in the GSTN portal or in case of any shortages or rejection in the supply, then BHEL will not be able to avail the tax credit and will notify the supplier of the same. Supplier has to rectify the data discrepancy in the GSTN portal or issue credit note or debit note (details also to be uploaded in GSTN portal) for the shortages or rejections in the supplies or additional claims, within the calendar month informed by BHEL.
- g) In cases where invoice details have been uploaded by the vendor but failed to remit the GST amount to GST Department (Form PMT-08 or Form GST RET-01 to be submitted) within stipulated time, then GST paid on the invoices pertaining to the month for which GST return not filed by the vendor will be recovered from the vendor along with the applicable interest (currently 24% p.a) and all subsequent bills of the vendor will not be processed till filing of the GST return by the vendor
- h) In case GST credit is denied to BHEL due to non-receipt or delayed receipt of goods and/ or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount claimed in the invoice shall be disallowed to the vendor.
- i) Where any GST liability arising on BHEL under Reverse Charge (RCM), the vendor has to submit the invoices to BHEL well within the timeline prescribed in GST Law, to enable BHEL to discharge the GST liability. If there is a delay in submission of invoice by the vendor resulting in delayed payment of GST by BHEL along with Interest, then such Interest payable or paid shall be recovered from the vendor.
- j) Under GST regime, BHEL has to discharge GST liability on LD recovered from suppliers/contracts. Hence applicable GST shall also be recoverable from suppliers/contractors on LD amount. For this Tax Invoice will be issued by BHEL indicating the respective supply invoice number.
- k) GST TDS will be deducted as per Section 51 of CGST Act 2017 and in line with Notification 50/2018 – Central Tax dated 13.09.2018. GST TDS certificate which will be generated in GST portal subsequent to vendor accepting the TDS deduction in the GST portal, will be issued to the vendor.
 - l) GST and Income Tax levied by the Central Government authorities should be paid by the contractor. The GST will be reimbursed by BHEL as per Government Norms against the payment of the same.

10.Orders under the Contract:

All orders, notices etc. to be given under the contract shall be in writing, typescript or printed and if sent by registered post to the address given in the tender of the Contract, shall be deemed to have been served on the date, when in the ordinary course they would have been delivered to him. The Contractor shall carry out without delay all orders given to him.

11.Contractor's Supervision:

- a) The Contractor shall either himself supervise the execution of the contract or shall appoint a competent agent acceptable to BHEL Officials.
- b) Orders given to the Contractor's agent shall be considered to have the same force as if they have been given to the Contractor himself.
- c) The Contractor or his accredited agent shall attend when required without making any claim for doing so to the OFFICER-INCHARGE, to receive instructions.
- d) The respective area HOD shall have full powers and without assigning any reason, requires the Contractor to immediately cease to employ in connection with this contract, any agent, servant or employee where continued employment is, in his opinion undesirable. The Contractor shall not be allowed any compensation on this account.

12.Precautions against Risk:

The Contractor shall be responsible for providing at his own expense for all precautions to prevent loss or damage from any and all risks and to minimize the amount of any such loss or damage and for the necessary steps to be taken for the said purpose.

13.Laws Governing the Contract:

The contract shall be governed by the Indian Laws for the time being in force.

14.Cancellation of Contract for Corrupt Acts:

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BHEL, whose decision shall be final and conclusive, shall without prejudice to any other right or remedy which shall have accrued, shall accrue thereafter to BHEL cancel the contract in any of the following cases and the Contractor shall be liable to make payment to BHEL for any loss or damage resulting from any such cancellation to the same extent as provided in the case of cancellation for default.

If the Contractor:

- a) Offer or give or agree to give to any person in BHEL service any gift or consideration of any kind, as an inducement or reward for doing or for bearing to do or for having done or for having borne to do any act, in relation to the obtaining or execution of this or any other contract for BHEL service,
OR
- b) enter into a contract or understanding with any person in BHEL in connection with which commission has been paid or agreed to be paid by him or with his knowledge, unless the particulars of any such commission and the terms of payment thereof have previously been disclosed in writing to BHEL,
OR
- c) To obtain a contract with BHEL as a result of ring tendering or by non-bonafide methods of competitive tendering, without first disclosing the fact in writing to BHEL.

15. Cancellation of Contract for Insolvency Assignment of Transfer or Subletting of Contract:

BHEL, without prejudice to any other right or remedy, which shall have accrued or shall accrue thereafter to BHEL, shall cancel the contract in any of the following cases:

If the Contractor,

- a) Being an individual or if a firm any partner thereof shall at any time be adjudged bankrupt or have a receiving order for administration of his estate, made against him or shall take any proceedings for liquidation or composition under any bankruptcy Act or assignment of his effects of composition or arrangement for the benefit of his creditors or purport to do so, or if any application made under any Bankruptcy Act for the time being in force for the sequestration of his estate or if a trust deed be granted by him on behalf of his creditors.
OR
- b) Being a Company, shall pass a resolution or Court shall make an order for the liquidation of its assets, or a receiver or Manager on behalf of the debenture holders shall be appointed or circumstances shall arise which entitle the Court or debenture holders to appoint a receiver or Manager.
OR
- c) Assigns, Transfers, Sublets or attempts to assign, transfer or sublet any portion of the work.
- d) Whenever BHEL exercises the authority to cancel the contract under these conditions, BHEL may have the work done by any means at the Contractor's risks and expenses provided always that in the event of the cost of the work so done (as certified by the respective area HOD) being less than the contract cost, the advantage shall accrue to BHEL and if the cost exceeds the money due to Contractor under the contract, the Contractor shall either pay the excess amount ordered by the respective area HOD or the same shall be recovered from the Contractor by other means.
- e) In case BHEL carries out the work under the provisions of this condition, the cost to be taken into account in determining the excess cost to be charged to the Contractor under this condition shall consist of the cost of the materials, hire charges of tools and plants and / or labour provided by BHEL with an addition of such percentage to cover superintendence and establishment charges as may be decided by the respective area HOD whose decision shall be final and conclusive.
- f) Labour engaged by the contractor should be disciplined & exhibit good behaviour in dealing with employees of BHEL. Any misbehaviour or undesirable conduct of any person engaged by the contractor is reported, contractor shall change that person immediately or else it may even lead to termination of the contract & in such case security deposit will be forfeited as penalty.

16. Cancellation of Contract in Part or Full for Contractor's Default:

If the contractor:

- a) makes default in carrying out the work as directed and continues in that state after a reasonable notice from the respective area HOD or his authorized representative.

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- b) fails to comply with any of the terms & conditions of the contract or failure to comply orders after reasonable notice in writing with orders properly issued thereunder.
- c) BHEL, may without prejudice to any other right or remedy which shall have accrued or shall accrue thereafter to BHEL CANCEL the contract as whole or in part thereof or only such work order or items of work in default from the contract. Whenever BHEL exercises the authority to cancel the contract as a whole or part under this condition, BHEL may complete the work at the contractor's risk and cost (as certified by the respective area HOD which is final and conclusive) being less than the contract cost, the advantage shall accrue to BHEL.
- d) If the cost exceeds the money due to the Contractor under this contract, the Contractor shall either pay the excess amount ordered by the respective area HOD or the same shall be recovered from the Contractor by other means. In case BHEL carries out the work or any part thereof under the provisions of the conditions the cost to be taken into account in determining the excess cost to be charged to the Contractor under this condition shall consist of the cost of the materials, hire charges of tools and plant and/or labour provided by BHEL with an addition of such percentage to cover the superintendence and establishment charges as may be decided by the respective area HOD whose decision shall be final and conclusive.

17.Termination of Contract on Death of Contractor: Without prejudice to any of the rights or remedies under this contract, if the Contractor dies, or if the firm is dissolved or the company is liquidated, BHEL shall have the option of terminating the contract without compensation to the Contractor.

18.Special Power to Termination: If at any time after the award of contract, BHEL shall for any reason whatsoever not require whole or any part of the work to be carried out, the respective area HOD shall give notice in writing of the fact to the Contractor who shall have no claim to any payment of compensation or otherwise howsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive in consequence of the foreclosing of the work.

19.Recovery from Contractor: Whenever under the contract, any sum of money, shall be recoverable from or payable by the Contractor, the same may be deducted from or any sum then due or which at any time thereafter may become due to Contractor under the contract or under any other contract with BHEL or from his Security Deposit unless the contractor pays the claim on demand.

20.Post- Technical Audit of Work and Bills: BHEL reserves the right to carry out the post-payment Audit and technical examination of the work and final bill including all supporting vouchers, abstracts etc., and enforce recovery of any sum becoming due as a result thereof in the manner provided in the presiding sub- paragraphs. However, no such recovery shall be enforced after three years of passing the final bill.

21.Refund of Security Deposit: The Security Deposit may be refunded to the Contractor after completion of the contract provided, after the Contractor shall first have been paid the last and final bill and have rendered a "NO DEMAND CERTIFICATE".

22.Force Majeure Clause: If, at any time during the continuance of this Contract the performance in whole or in part by either party of any obligations under this Contract shall be prevented or delayed by reason of any War, Hostile acts of the public enemy Civil Commotion, Epidemics, or Acts of God (Floods, Storm/Cyclone, Hurricane, Earthquake etc.) then provided notice of happening of any such event is given by either party to other within 7 days from the date of occurrence thereof neither of the parties shall by reason of such event be entitled to terminate this Contract or claim for damages against the other in respect of such non-performance or delay for such period. Performance under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist. If the performance in whole or part of any obligation under this Contract is prevented or delayed by reason of any such event, claims for extension of time may be granted for periods considered reasonable by the respective area HOD at his discretion subject to prompt notification by the contractor.

23.Arbitration:

Except as provided elsewhere in this Contract, in case amicable settlement is not reached between the Parties, in respect of any dispute or difference; arising out of the formation, breach, termination, validity

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or execution of the Contract; or, the respective rights and liabilities of the Parties; or, in relation to interpretation of any provision of the Contract; or, in any manner touching upon the Contract, then, either Party may, by a notice in writing to the other Party refer such dispute or difference to the sole arbitration of an arbitrator appointed by Head of the BHEL Tiruchirappalli. The Arbitrator shall pass a reasoned award and the award of the Arbitrator shall be final and binding upon the Parties.

Subject as aforesaid, the provisions of Arbitration and Conciliation Act 1996 (India) or statutory modifications or re-enactments thereof and the rules made there under and for the time being in force shall apply to the arbitration proceedings under this clause. The seat of arbitration shall be Tiruchirappalli (the place from which the contract is issued)

The cost of arbitration shall be borne as per the award of the Arbitrator. Subject to the arbitration in terms of Clause above, the Courts at Tiruchirappalli (the place where the Principal Civil Court having ordinary original civil jurisdiction to decide questions forming subject matter of the arbitration is located) shall have exclusive jurisdiction over any matter arising out of or in connection with this Contract.

Notwithstanding the existence or any dispute or differences and/or reference for the arbitration, the Contractor shall proceed with and continue without hindrance the performance of its obligations under this Contract with due diligence and expedition in a professional manner except where the contract has been terminated by either party in terms of this contract.

In case of contract with Public Sector Enterprises (PSE) or a Government Department, the following shall be applicable:

In the event of any dispute or difference relating to the interpretation and application of the provisions of the Contract, such dispute or difference shall be referred by either Party for arbitration to the sole arbitrator in the Department of Public Enterprises to be nominated by the Secretary to the Government of India incharge of the Department of Public Enterprises. The Arbitration and Conciliation Act, 1996 shall not be applicable to arbitration under this clause. The award of the arbitrator shall be binding upon the Parties to the dispute, provided, however, any Party aggrieved by such award may make further reference for setting aside or revision of the award to the Law Secretary, Department of Legal Affairs, Ministry of Law and Justice, Government of India. Upon such reference the dispute shall be decided by the Law Secretary or the Special Secretary or Additional Secretary when so authorized by the Law Secretary, whose decision shall bind the Parties hereto finally and conclusively. The Parties to the dispute will share equally the cost of arbitration as intimated by the Arbitrator.

24. JURISDICTION:

In case of any suit or other legal proceedings arising under or relating to this Contract, the courts at Trichy, Tamil Nadu only shall have the Jurisdiction and is only after exhausting the, Arbitration, **as mentioned in tender.**

25. SECRECY OF CONFIDENTIAL INFORMATION:

The Contractor undertakes and agrees that he/it will not disclose or reveal in part or full the proprietary/confidential information, which terms shall mean and include patents, trademarks, service marks, registered designs, copyright, design rights, know-how, confidential information, trade and business names and any other similar protected information of BHEL received during negotiation or currency of the contract to any third party or governmental authorities without written permission from BHEL. In the event of termination or expiry of the contract, the contractor shall return all proprietary/confidential information to BHEL. This clause shall survive termination or expiry of the contract.

BHEL reserves the right to initiate appropriate action including legal proceeds / termination of contract, recovery of damages, penalties etc., if the contractor is found guilty / wrong usage of the documents given by BHEL for any unauthorised activity.

26. SIGNING OF CONTRACT:

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Each contract document shall be signed by the Contractor with his usual signature. Contract by partnership or Hindu Joint Family firm, may be signed in the FIRM'S name by the Managing Partner or all /one of the Partners on behalf of the firm or the Karta or Manager for HUF as the case may be. Contract by a Company shall be signed with the name of the Company from a person authorised in this behalf and a Resolution or power of attorney or other satisfactory proof, showing that the person signing the Contract documents on behalf of the Company is duly authorised to do so, shall accompany the contract.

27.FRAUD PREVENTION POLICY: The Bidder along with its associate / collaborators / sub – vendors / consultants / service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about fraud or suspected fraud as soon as it comes to their notice”. Fraud Prevention policy and List of Nodal Officers shall be hosted on BHEL website, vendor portals of Units / Regions intranet.

28.SUSPENSION OF BUSINESS DEALINGS WITH SUPPLIERS / CONTRACTORS:

Penal action can be initiated on the suppliers / Contractors in line with extant ‘Guidelines for Suspension of Business Dealings with Suppliers/ Contractors. The abridged version of extant ‘Guidelines for suspension of business dealings with suppliers/ contractors’ has been uploaded on <http://www.bhel.com> on “supplier registration page”.

29.RISK PURCHASE:

In the event of any successful Tenderer’s failure to fulfil any of the tender / Contract obligations as per Contract / Agreement, BHEL may entrust the job to alternate vendor and get it completed to meet the BHEL requirement and additional expenditure, if any, including consequential cost viz., demurrage etc., will be fully recovered from the Contractor who failed to complete the job in line with the Contract.

The decision of BHEL with regard to the actual losses / consequential expenditure incurred by BHEL shall be final and binding on the Contractor.

The value under Risk purchase clause shall be calculates as follows:

$$\text{Risk \& Cost Amount} = [(A-B) + (A \times H/100)]$$

Where,

A= Value of Balance scope of Work/ Supply (*) as per rates of new contract

B= Value of Balance scope of Work/ Supply (*) as per rates of old contract being paid to the contractor/ supplier at the time of termination of contract i.e. inclusive of PVC & ORC, if any.

H = Overhead Factor shall be taken as 5

In case (A-B) is less than 0 (zero), value of (A-B) shall be taken as 0 (zero).

*(Balance scope of work/ supply)

Difference of Contract Quantities and Executed Quantities as on the date of issue of Letter for ‘Termination of Contract’, shall be taken as balance scope of Work/ Supply for calculating risk & cost amount.

In case vendor fails to fulfil any of the tender / Contract obligations as per Contract / Agreement, contract shall be cancelled and SD shall be forfeited.

30.NOTICES OF ACCIDENTS

In the event of an accident the Contractor shall be required to fill injury report and submit to the Engineer In charge immediately and ensure compliance of ESI / Workmen's Compensation of accident as per the Act. The Contractor shall get the Contract personnel engaged by him insured under workmen's compensation policy from any Insurance company in India before actually starting the work. The Insurance Coverage should be for the entire period of Contract. The Contractor shall comply with the provisions of the Workmen's Compensation Act 1923. (This should be read in connection with the provisions of ESI Act.)

31.SUSPENSION OF CONTRACT: In the event of non-completion of contract/ un-satisfactory performance reported by the area Executive, resulting in cascading of events leading to impact in a negative way on financial/ safety/ procedures of various sections/ departments, the contract shall be terminated immediately with intimation and action shall be taken against the contractor as per the extant ‘Guidelines for Suspension of business dealings with Suppliers/ Contractors’.

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32.The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines.

33.DAMAGE & LOSS TO PRIVATE PROPERTY & INJURY TO WORKMEN

The Contractor shall at his own expense reinstate and make good to the satisfaction of the respective area HOD and pay compensation for any injury, loss or damage occurred to any property or rights whatever including property and rights of BHEL (or agents) servants or employee of BHEL, the injury loss or damage arising out of or in any way in connection with the execution or purported execution of the contract and further the contractor shall indemnify BHEL against all claims enforceable against BHEL (or any agent, servant or employee of BHEL) or which would be so enforceable against BHEL, in respect of any such injury (including injury resulting in death) loss or damage to any person whomsoever or property including all claims which may arise under the Employees Compensation Act or otherwise.

“BHEL shall recover the amount of compensation paid to victim(s) by BHEL towards loss of life / permanent disability due to an accident which is attributable to the negligence of contractor, agency or firm or any of its employees as detailed below.

- a) Victim: Any person who suffers permanent disablement or dies in an accident as defined below.
- b) Accident: Any death or permanent disability resulting solely and directly from any unintended and unforeseen injurious occurrence caused during the manufacturing/operation and works incidental thereto at BHEL factories/offices and precincts thereof, project execution, erection and commissioning, services, repairs and maintenance, trouble shooting, serving, overhaul, renovation and retrofitting, trial operation, performance guarantee testing undertaken by the company or during any works/during working at BHEL Units/Officers/townships and premises/Project sites
- c) Compensation in respect of each of the victims:
 - i. In the event of death or permanent disability resulting from Loss of both limbs: Rs 10,00,000/- (Rs Ten lakh)
 - ii. In the event of others permanent disability: Rs.7,00,000/- (Rs. Seven Lakh)
- d) Permanent Disablement: A disablement that is classified as a permanent total disablement under the proviso to section 2 (I) of the Employee’s Compensation Act,1923”

34.Preference to Make in India:

““For this procurement, Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017, 28.05.2018, 29.05.2019 & 04.06.2020 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of this NIT but before finalization of contract/ PO/ WO against this NIT.

In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and/ or local content in respect of this procurement, same shall be applicable.”

35.PROVISION FOR MICRO & SMALL ENTERPRISES (MSE) SUPPLIERS

MSE suppliers can avail the intended benefits only if they submit along with the offer, self-attested copies of UDYAM Certificate. **Non Submission of such documents along with the offer or during technical evaluation will lead to consideration of their bids at par with other bidders and no benefits shall be applicable for this enquiry though the bidder is MSE.**

- In case L1 is MSE bidder, 100% of the work will be awarded on the L1 bidder.
- If L1 is non-MSE: (since the work is not splittable) 100 % work will be awarded to MSEs quoting within the price band of L1+15% after acceptance of L1 rate by MSE bidder

36. INDEMNITY:

The Contractor shall have to indemnify BHEL against all claims for injury or damage to any person or property caused by his negligence or negligence of his employees whilst in BHEL premises / sites.

37. PLANT AND EQUIPMENT:- The Contractor shall at his own expense, supply all tools plant and equipment (Herein after referred to as T&P) required for the execution of the contract.

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PART-I E. (EMD/SD PAYMENT INSTRUCTION THRU E-COLLECT)

ANNEXURE-E

PAYMENT WIDE E-COLLECT

This explains how to make Payments to BHEL- Tiruchirappalli and through SBI-Ecollect. Vendors (EMD and SD Payments payable by others) can utilise this facility. Payments can be made using Internet Banking, Debit Cards/Credit Cards etc. SBI Charges a minimum amount (Service Charge) for every transaction. This may vary according to the MODE selected.

STEP BY STEP PROCEDURE:

Login to <https://www.onlinesbi.com>

1. Select SB Collect available on the top (pre login page) OR
Go to <https://www.onlinesbi.sbi/sbicollect/icollecthome.htm>
2. Accept the terms and conditions and click "PROCEED"
3. Select State "TAMILNADU "and Institution type "INDUSTRY ".
4. Select "BHEL TRICHY under "INDUSTRY".
5. In the next page, Select APPROPRIATE category, fill details correctly & click "SUBMIT".
6. If all details entered are correctly populated, click "CONFIRM "to proceed.
7. Make payment as per your convenience. (Options available are payment of fees through SBI Net Banking, State Bank ATM cum Debit Cards / Other Bank Debit / Credit Cards and through SBI Branches).
8. SAVE & Keep the copy of receipt for future reference.

HOW TO TAKE RECEIPT FOR A PAYMENT MADE, EVEN ON A LATER DATE:

(PLEASE CHECK THE STATUS BEFORE MAKING PAYMENT SECOND TIME)

1. Login to www.onlinesbi.com
 2. Select State Bank Collect available on the top (pre login page)
 3. Accept the terms and conditions and click "PROCEED"
 4. Select "PAYMENT HISTORY "option available on the left side of screen.
 5. Using two options as mentioned below, you can get the receipt:
 6. Type the same Date of Birth, Mobile Number which you have entered at the time of making payment through SB collect. Select the date range and submit.
 - 7.
 8. If you know the payment reference number, then enter the Reference number (DU...) along with anyone information (Date of Birth / Mobile number, which you have entered at the time of making payment). Select the date range and submit.
6. In the next page, take print out of receipt.

F. TERMS & CONDITIONS TO EMPLOYEES ENGAGED BY THE CONTRACTOR

1. Terms & Conditions to Employees by the Contractor:

- a) The contractor should follow and comply with Minimum wages, ESI, PF, Bonus (@ 8.33 %), Group Insurance and other statutory regulations as stipulated in Factories Act and other applicable State/Central Governments' rules and regulations.
- b) Contractor shall be solely responsible for non-payment, delayed payment of minimum contributions under EPF & MP Act, ESI Act, Bonus, etc.
- c) In case, the contractor fails to make payment of wages to his/her employees or remittance of contribution to the concerned authorities, the security deposit, other dues/running bills under the contract can be utilized by BHEL to discharge the liability of the contractor.
- d) Necessary gate entry pass will be issued by BHEL Security department for Contract Workmen based on your application duly forwarded by the Contract Executing Department and approved by HR/Welfare/Contract Cell on fulfilment of the Statutory Obligation by the Contractor.
- e) Biometric Entry/Exit System for Contract Workmen:
 - i. The Entry/Exit of the employees engaged by contractor is to be regulated only through Biometric system.
 - ii. The Contractor initially will be issued with a temporary gang pass for his/her employees for a period of ten days.
 - iii. The contractor should arrange photo coverage for all his/her employees within the above stipulated time.
 - iv. The contractor has to submit FORM-I for all his/her contract employees. All the particulars required in FORM-I are to be provided by the contractor without fail.
 - v. Every employee of the Contractor shall be provided with Employment Card as per Form XIV (as per Rule 76 of the Contract Labour (Central) Rules, 1971 and the contractor shall instruct its employees to carry the Employment Card as well as Entry Card without fail, while entering/exiting factory.
 - vi. The contractor should educate his employees in registering the attendance through the system.
 - vii. Whenever a contract employee migrates or leaves service of the contractor, the contractor has to surrender the biometric card of the particular employee to Contract Cell with immediate effect, without fail.
 - viii. On completion of the work, the contractor has to surrender all the biometric entry cards issued to its employees immediately to the contract cell. Otherwise, an amount of Rs.100/- per card will be deducted from the final bill/security deposit of the contractor.
 - ix. If any contract employee loses his/her entry card, the contractor shall arrange a duplicate entry card for the employee by paying an amount of Rs.100/-.
 - x. The Contractor is totally responsible for the biometric cards issued to his/her employee.
 - xi. The Contractor has to indemnify BHEL for all the damages and losses caused by his/her employees.
 - xii. Successful bidders have to submit filled forms forwarded by BHEL HR, i.e. Form-III & Form-VII (shall be given with WO copy) & submit to ALC, Pondicherry for License before commencement of work.

2. Payment to employees engaged by the contractor:

- a) The Contractor shall remain liable for the payment of all wages and other payments in connection with the employees engaged by him and with regard to the work.

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- b) The Contractor shall comply with the applicable provisions of Payment of Wages Act-1936, Minimum Wages Act-1948, Employees' Liability Act-1938, Employees' Compensation Act-1923, Payment of Bonus, EPF and Miscellaneous Provisions Act-1952, Employees' State Insurance Act-1948 and other relevant Acts and rules framed, thereunder from time to time.
- c) Contractor shall be responsible for making payment of wages within 7days from the last day of wage period and shall obtain the signature at the end of entries in the wage register from area incharge of contract operating department.
- d) Contractor should ensure that at least the prevailing minimum wages, as per the rules of Government of Tamil Nadu, which are applicable are paid to his employees only in their respective nationalized bank accounts by means of NEFT/ RTGS/ IMPS.
- e) The contractor should remit the salary/wages of their workmen only through nationalized Bank, directly to the salary/savings account of the employee concerned. monthly clearance will be given in respect of those contractors, only if the salary/wages to the workmen concerned has been remitted in the nationalized bank account of the workmen. The relevant Bank statement/proof for Bank payment should be produced along with PF and ESI challans every month.
- f) No other mode of payment (hand payment / account transfer other than salary or any other) is acceptable as salary.
- g) The contractor should pay the previous month salary in full to our employees before 7th of every month and will not adjust with any advance/ loan /training cost / accommodation cost / repayment due by the employee to us.
- h) If the Contractor employs more than twenty employees, he has to obtain License to this effect from the Factory Inspectorate and renew the same periodically.
- i) The Contractor should follow and comply with Minimum Wages, ESI, PF, Bonus, Group Insurance and other statutory regulations as stipulated in Factories Act and other applicable State / Central Governments' rules & regulations.
- j) Each contract employees must have his own PF and ESI Codes and comply with the relevant Acts.
- k) As per BHEL HR-Welfare circular dt 08.04.2014, the following additional wages per month has to be paid by the Contractor over and above minimum wages declared by TamilNadu Government to contract workmen as:
 - Unskilled : Rs. 3,200/-
 - Semi-skilled : Rs. 3,700/-
 - Skilled : Rs. 4,100/-

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