

NAME OF WORK: Operation and Maintenance of RO Plants (19 Nos) and Annual Maintenance for domestic Type RO Units, Pre filters for Geysers, Pre filters for Water Coolers installed at Various Buildings in BHEL Factory Complex ,Trichy-14.

Enquiry No: 9472300032/ 20.05.2023

BHARAT HEAVY ELECTRICALS LIMITED- TIRUCHIRAPPALLI-620 014

WORKS CONTRACTS MANAGEMENT

NOTICE INVITING e-TENDER (GeM)
PART-I (TECHNO COMMERCIAL BID)

1.	Tender Ref No: GeM Bid No.:	9472300032/ 20.05.2023 GEM/2023/B/3457254
2.	Tender Type	Open Tender-Two Part (e-Tender)
3.	Name of work	Operation and Maintenance of RO Plants (19 Nos) and Annual Maintenance for domestic Type RO Units, Pre filters for Geysers, Pre filters for Water Coolers installed at Various buildings in BHEL Factory Complex ,Trichy-14
4.	Location of work	BHEL Trichy (Tamil Nadu)
5.	Period of contract	15 Months from the date of award of contract.
6.	Earnest Money Deposit (EMD):	₹47,500 /- (Rupees forty-seven thousand five hundred only) EMD is not waived off for the MSE Bidders
7.	Security Deposit	5% of the Contract awarding value
8.	Tender Document details	Technical bid pages from 1 to 50
9.	Mode for submission of offer	No physical submission of Tender. Tender only to be submitted electronically through GeM portal (https://gem.gov.in/) only.
10.	Contact details for queries related to tender	Shri K Prasath Engg / WCM; 0431 257 1573; e-mail: prasath@bhel.in Shri Dineshwar Pahan, Dy Engineer /WCM 0431-257 4564; e-mail: dineshwar@bhel.in
11.	Contact details for queries related to scope of work	Shri B Rajabalan Manager / CIVIL FACTORY MAINTENANCE 0431-2574109, EMAIL: rajabalan@bhel.in Shri T Aaruyir Yogaa , Manager/ Civil Factory Planning and Designs 0431-2574559 EMAIL: tayogaa@bhel.in
12.	Last Date for Receipt of Tender	31.05.2023 / 15:00 Hrs.
13.	Date of Techno Commercial Bid Opening	31.05.2023 / 15:30 Hrs.
14.	MSE benefits if applicable	Not Applicable
15.	Reverse auction	YES
16.	Benefits to startups:	50% of Financial turnover & atleast 50% of similar experience on eligibility criteria

We, the tenderer, have gone through all the pages of tender document and accept the Terms and Conditions.

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Qualifying Criteria:

Sl. No.	Qualifying Criteria	DETAILS
A	<p><u>Status of the company :</u></p> <ul style="list-style-type: none"> • Proprietorship: PAN card on owner name • For partnership firms: PAN card and PARTNERSHIP DEED • For others: PAN card in the name of company / firm / business and CERTIFICATE OF INCORPORATION / MOA and AOA. • GST Certificate (If applicable) <p>MSE Vendor – Proof as per tender condition (If applicable)</p>	Copy to be uploaded in GeM portal
B	<p><u>EMD</u> ₹47,500 /- (Rupees forty seven thousand five hundred only)</p> <p>(NEFT is the preferred mode of payment for EMD) (EMD is not waived off for the MSE Bidders) EMD may be submitted in following ways:</p> <ol style="list-style-type: none"> Electronic fund transfer credited in BHEL account (Before Tender Opening). (Refer Annexure-A2 for making EMD payment through SBI-Ecollect) DD drawn in favour of BHEL - Trichy, payable at Trichy issued by Scheduled Bank / Nationalized bank / Consortium banks. Also refer clause -8 of GENERAL TERMS & CONDITIONS OF TENDER <p>EMD in any other form (One Time EMD, BG for full value of EMD etc.) is not acceptable.</p>	<p>NEFT/RTGS PAYMENT DETAILS: OR DD DETAILS:</p> <p>(Details to be filled and documentary evidence to be uploaded in GeM portal).</p>
C	<p><u>FINANCIAL SOUNDNESS:</u></p> <p>Income tax return acknowledgement (ITR), Balance sheet and Profit & Loss statement certified by Chartered accountant (with Membership No.) should be submitted with Average annual financial turnover of ₹7.00 Lakhs, during any 3 consecutive financial years of FY 2017-18, 2018-19, 2019-20, 2020-21 and 2021-22.</p> <p style="text-align: center;">Or</p> <p>Auditor's certificate (with CA membership no. / UDIN) for consolidated minimum average annual turnover (as given above) should be enclosed.</p>	<p>Details to be filled and documentary evidence to be uploaded in GeM portal</p>

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D	<p><u>EXPERIENCE CRITERIA:</u></p> <p>Experience of having successfully completed similar works during last 7 (seven) years i.e. since 01.05.2016 to 30.04.2023 in any Central / State Govt. / PSU / Private company with either of the following.</p> <p>Three Similar completed works costing not less than the amount equal to of ₹9.45 lakhs each (or) Two similar completed works costing not less than the amount equal to ₹11.85 lakhs each (or) One similar completed works costing not less than the amount equal to of ₹18.95 lakhs.</p> <p>Similar work means: Supply, Installation & commissioning of industrial RO water systems of individual unit capacity not less than 250 Litres per hour. (or) Operation & maintenance (including supply of spares) of Industrial RO water systems of individual unit capacity not less than 250 Litres per hour. (or) Maintenance (including supply of spares) of industrial RO water systems of individual unit capacity not less than 250 Litres per hour.</p> <p>(Experience proof from BHEL shall contain work order copies and experience proof from other than BHEL shall contain work order copies along with Form 26AS/TDS certificate/bank statement for payment from the organisation for the work executed).</p>	Details to be filled and documentary evidence to be uploaded in GeM portal
E	Income Tax Registration (PAN) (Copy of PAN to be uploaded)	Details to be filled and documentary evidence to be uploaded in GeM portal
F	<p>GST Regn. No. (Copy of GST to be uploaded)</p> <p>Declaration to be attached if Vendor is Exempted from paying GST. For such exempted vendor, Vendor cannot claim GST from BHEL, during the execution of the contract (if awarded) even if their status under GST changes to regular taxpayer).</p> <p>% OF GST APPLICABLE TO THE VENDOR FOR THIS WORK (In case of GST exempted vendor they can put NIL)</p>	
G	<p>Acceptance to Scope of work and General Terms and conditions of Contract.</p> <p>(Duly signed and sealed copy of Tender Document to be uploaded)</p>	Copy to be uploaded in GeM portal
H	“No deviation & Declaration certificate” on bidder’s Letter head as per enclosed Annexure-A1 of tender document (Duly signed and sealed copy to be uploaded)	Copy to be uploaded in GeM portal
I	<p>ESI Registration</p> <p>(Copy of ESI Registration to be uploaded)</p>	Copy to be uploaded in GeM portal

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J	EPF Registration (Copy of EPF Registration to be uploaded)	Copy to be uploaded in GeM portal
	STATUTORY REQUIREMENTS:	
1	Labour License (if available) (Copy of Labour license to be uploaded if applicable)	Copy to be uploaded in GeM portal
Note: 1. Vendors not having Labour License shall immediately get registered after award of work to comply with statutory requirements. If vendor fails to get Labour License within 30 days from start of work, EMD/SD shall be forfeited and penal action shall be taken as per extant rules of GeM.		
Note: 1. Bidders are requested to submit only the documents required to meet the pre-qualification criteria as per tender. Documents not relevant to tender pre-qualification criteria / tender shall not be enclosed along with the offer. 2. Digitally signed/ Self-attested copy of all the documents should be uploaded along with Tender, if at any stage, the document(s) submitted by Contractor is / are found incorrect / false / fake, then necessary action will be taken by BHEL against Contractor viz., legal, Contractual, GeM Policy / Procedural Actions in whatsoever manner as deemed fit.		

NOTE:-

1. SPLITTING:

No splitting for this Contract, the entire work will be awarded to L1 vendor only.

2. Part – II: Price Bid:

Price to be quoted in GeM portal only.

Important Instruction to Bidder: (Price Bid)

Quoted value should be inclusive of GST i.e., Quoted Value = Rate + GST amount

* please quote the value with GST amount.

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I. INSTRUCTIONS TO THE TENDERERS

GENERAL INSTRUCTIONS:

1. Tender only to be submitted electronically by logging to GeM portal i.e. <https://gem.gov.in/>. Physical submission of Tender shall not be accepted.
2. **EMD should be submitted as per Part-I (Technical Bid) Qualifying Criteria. Techno-commercial bid will be considered only, if the EMD is valid. EMD in any other form and Tender without EMD will be summarily rejected. EMD indicated in the Tender may or may not, reflect any specified percentage on value of work. Hence vendors are advised to offer their quote cautiously while submitting their bid, without any presumption.**
3. EMD may be submitted in the form of (i) Electronic Fund Transfer credited in BHEL account (before Tender opening) or (ii) Demand Draft (DD) in favor of BHEL Trichy.
4. **In case of offline payments, the hardcopies of EMD documents i.e. DD submitted to WCM office/24 Building 3rd Floor, BHEL, Trichy before Tender opening and the soft-copies to be uploaded at the time of online bid submission, otherwise the Tender will be summarily rejected.**
5. Bidder should arrange for the EMD as specified in the Tender. The original EMD should be posted/couriered/given in person in a sealed cover **super scribing "Name of Work" "Enquiry number & date"** to the Tender Inviting Authority, within the bid submission date and time for the Tender.
6. Any deviation to this Tender terms & conditions and schedules of this Tender will lead to total rejection of the offer submitted.
7. Amount should be quoted as per the Work schedule (Price bid/Part –II). Amount quoted in any other form will not be accepted, and will be rejected.
8. 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 (As per annexure-A3)
9. Words imparting singular number shall be deemed to include plural number and vice-versa where the context so requires.
10. 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.
11. The Tender schedule, and the Tender shall be deemed to form an integral part of the contract to be entered into for this work.
12. Tenderer shall sign the Tender documents for having accepted the conditions and upload in GeM portal.
13. Tender can be cancelled at any stage due to unavoidable circumstances.
14. 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.
15. If there is a discrepancy between words and figures quoted by bidder, the amount in words shall prevail. If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date upto which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the purchaser, the bid is liable to be ignored.
16. **If the contractor back outs after opening of Tender, the contractor is liable for forfeiture of the EMD paid.**
17. BHEL reserves the right to increase or decrease the Tendered quantity.
18. BHEL does not guarantee ordering of any minimum quantity.
19. Income Tax deduction at source as applicable in the IT Act from time to time will be made on the value of the bills in the absence of Income Tax Exemption Certificate from the concerned IT officer.

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20. All the Statutory Obligations such as ESI, PF, Labor Acts, Factories Act, Goods & Services tax (GST), etc. will have to be taken care of by the vendor. BHEL will have no liability on them. Notwithstanding the above, if any demand notice is served by the concerned Statutory Authorities for recovery of any of their dues on BHEL, the same would be paid to the statutory authorities without notice to the vendor and recovered as a due from any pending / future bills.
21. In case contract is not executed by vendor after award and acceptance of contract, BHEL may exercise the right to forfeit EMD, Security Deposit / BG of such contractors and also suitable action will be taken by BHEL on those Contractors as deemed fit.
22. BHEL reserves the right to reject the Tender, if it contains any tampering to the Tender documents submitted by the bidder, at any stage.
23. The labors engaged under this contract cannot be deployed in any other work. Violation of this rule will be viewed seriously.
24. BHEL reserves the right to cancel the Tender or reject the lowest or any Tender in full or in part without assigning any reasons whatsoever.
25. In order to ensure compliance to Minimum Wage payment to all workmen entering the BHEL premises, the entry of manpower shall be regulated based on the awarded value and the prevailing minimum wages.
26. 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). The bidder should declare the same in the Tender. Even during the course of evaluation /finalization of Tender/ at any stage, 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/ reject such Tender/contract.

IMPORTANT POINTS TO BE TAKEN CARE OF WHILE SUBMITTING OFFER:

- 1) **Should a Tenderer find discrepancies or omissions in the Tender documents or should there 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)** Every Endeavour is made to avoid any error which can materially affect the basis of the Tender but the successful Tenderer shall take upon himself to provide for the risk of any error which may be subsequently by discovered and shall make no subsequent claim on account thereof.
- 2) Conditional, unwitnessed, late 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
- 3) Vendors are advised to get themselves acquainted with the site conditions, the scope / work details before submitting the offer.
- 4) The contractor shall quote only the lowest possible rate, inclusive of all taxes including GST that can be offered for the intended quantity.
- 5) If a Tenderer deliberately gives wrong information in his Tender or creates conditions favourable for the acceptance of his Tender, BHEL will REJECT SUCH TENDER AT ANY STAGE.
- 6) Words imparting singular number shall be deemed to include plural number and vice-versa where the context so requires.
- 7) 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. The Tender SCHEDULE 1nd the Tender shall be deemed to form an integral part of the Contract to be entered into for this work.
- 8) Late and Delayed Tenders will be summarily rejected and under no circumstances it will be considered and accepted.
- 9) All corrigenda/ addenda/ amendments/ time extensions/ clarifications, etc. to the Tender will be hosted on GeM portal, BHEL website only (i.e. <http://www.bhel.com>,) and will not be published in any other media. Bidders should regularly visit above website(s) to keep themselves updated.
- 10) BHEL may reject the bid or in case the contract has been awarded, then terminate the contract apart from taking any other suitable action under the contract or applicable legal provisions or BHEL

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guidelines including GeM GTC, without any liability for any compensation to the bidder if, BHEL discovers at any time that any statement made by the bidder in the affidavit cum undertaking is false, fraudulent or Any document submitted by the bidder was fake and forged Or If BHEL determines in the sole discretion that any statement was aimed at deliberately misleading BHEL with a view to ensure award of the subject contract to the bidder.

- 11) The contractor shall follow norms of BHEL security system for movement of men & materials within the complex including biometric system.
- 12) The workmen to be deployed by the contractor shall adhere to the safety / security rules and regulations of the Company and any person who is found to be violating the security / safety rules of the company shall be replaced immediately at the cost of the contractor.
- 13) The contractor shall strictly adhere to various labour laws in force.
- 14) The decision of In-charge for this contract shall be final and binding on the contractor regarding clarification of items of works.
- 15) Lowest prices received against BHEL Tenders need not be the technically acceptable one, and in that case, BHEL reserves the right not to consider the same.
- 16) BHEL would negotiate or re-float the Tender opened if L1 price is not the acceptable price to them inter-alia other reasons. Tenderers shall not increase their quoted rates in case BHEL, negotiates for reduction of rates. Such negotiation shall not amount to cancellation or withdrawal of the original offer.
- 17) In all matters of disputes, the decision of the General Manager, BHEL, Tiruchirappali-14 shall be final and binding on the Contractor.
- 18) Care should be taken to ensure only correct bid for the corresponding enquiry is placed in appropriate cover super scribing the same, failing which the bid will be liable for rejection.
- 19) No bidder shall be allowed to use any electronic gadgets viz., mobile phones, tablets etc during Tender opening/ or at any other meeting with BHEL for the purpose of this Tender, which if found would be liable for rejection of their bid.
- 20) The rate offered shall provide for the complete cost towards labour, supervision, profits & overheads, and all other incidentals inclusive of applicable GST (As per BOQ), GST will be reimbursed on production of valid documentary proof for having paid the GST.
- 21) The works contract to be entered into with the successful Tenderer will be governed by BHEL General Conditions of Contract in force.
- 22) The Tenderer shall carry out health performance test at his cost for all the workmen engaged in the work through a registered medical practitioner and produce certificate on demand.
- 23) The contractor has to make his own arrangements to provide refreshment for the workmen deployed by him.
- 24) If any of the workers employed by the contractor is found to indulge in acts subversive of discipline, the same will be brought to the knowledge of the contractor and he shall arrange for replacement of such personnel.
- 25) Contractor/Authorized representative must be present at site to supervise the activities on day-to-day basis and for giving necessary instructions regarding the work to be carried out.
- 26) Statement of completed works with detailed certified shall be submitted by the contractor in the last week of every month for processing their bill.
- 27) Works shall be carried out as per relevant IS standards and rules adhering to necessary safety precautions.
- 28) The contractor should extend fullest co-operation with the third party agencies engaged, if any by BHEL to adhere the Quality Control Procedures ensuring quality.
- 29) GST will be charged on the forfeited SD amount 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.
- 30) In case of opening day falls on holiday or happened to be declared as a holiday, opening of the Tender shall automatically fall on the same timing of the next working day.
- 31) Expenses incurred by bidder towards preparation of bid incidental to Tender irrespective of whether it is accepted or not, shall be borne by vendor only.
- 32) The offers of the Tenderer / bidders who are on the banned / Hold / Under Interim Suspension list and also the offer of the bidders, who engage the services of the banned Hold / Under Interim Suspension

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firms, shall be rejected. The list of banned Hold / Under Interim Suspension firms is available on BHEL web site (www.bhel.com → Tender Notification → List of Banned Firms).

- 33) **The Parties who have been suspended or black listed or under interim suspension by BHEL Trichy-14 or any other BHEL Unit will not be allowed to participate in the Tender and 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 black listed / barred from business transactions / under business hold, BHEL will not consider them for further participation in the Tender.**
- 34) Similarly, the offers of the bidders who are black listed or under interim suspension or suspended (under hold/ delist) for business dealings by BHEL shall not be considered. Please note that **their name will be removed from the list of debarred firms across BHEL** after expiry of specified suspension period as per the lifting/ restoration of suspension (Ban/Hold/ De-list) of business dealing. **Wherever suspension is lifted, a communication to this effect will be given by the concerned units to the concerned suppliers/ contractors.**
- 35) The contractor should extend full co-operation to the other contractors who may be doing other works in the same areas to enable them to execute their portions of work without any delay or difficulty.
- 36) BHEL, at its discretion, may extend the duration of contract, beyond initial contract duration, on mutual consent.
- 37) Contractor has to 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, experience etc. acceptable to concerned department.
- 38) Contractors are advised that contract labours must be employed without any discrimination on caste or creed or religion or gender basis.
- 39) The contractor shall submit police verification certificate in respect of the persons, engaged for first time by the contractor, for delivering services.
- 40) The contractor by submitting the Tender undertakes that, they had never been found guilty by a court of law in India for any offence in involving fraud, dishonesty and moral turpitude. If at a later date, if it comes to the notice of BHEL about any such occurrences on the subject bidder, BHEL will have every right to reject the offer of such vendors at any point of time.
- 41) The Contractor shall ensure that his workmen movement is restricted to their relevant work areas only & shall vacate the premises after the shift is over.
- 42) If a Tender provides relaxation for vendors, and if a vendor fails to submit supporting documents, they will be treated at par with other vendors or their bid would be liable for rejection, wherever as the case may be.
- 43) In order to avoid unforeseen delay, it is advised that, any correspondence by vendor to BHEL shall be emailed to all the addressees instead of one individual, as mentioned in Tender. The correspondence through email wherever sought by BHEL shall be replied with all the addressees in 'cc' of the mail. Vendor shall furnish valid email id's in the Tender and regularly verify the same.
- 44) The Tenderer/Bidder or any of his authorized personnel or agents will be granted permission by the BHEL to enter upon its premises and lands for the purpose of site visit. However, the bidder shall undertake that he, his personnel, and agents will be responsible against all liability in respect thereof, including death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.
- 45) In general, Bidders shall themselves obtain all necessary information. A Bidder shall be deemed to have full knowledge of the Site, whether he inspects it or not and no extra claims due to any misunderstanding or otherwise shall be allowed. The cost of visiting the Site shall be at the Bidders' own expense.
- 46) 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.

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27. Signing the Tender:

- Authorized signatory should have Power of Autonomy issued by MD or Board of Directors or authorized person for this purpose for quoting Tender and all procedures connected with, till finalization and execution of the Contract.
- The Tender shall be signed by the Authorized Signatory Only. Authorized signatory shall be the person holding 'power of attorney' on behalf of the firm / company / bidder-concerned authorized / empowered to act on behalf for the specific purpose.
- In case the Bidder is a Partnership Firm under Partnership Act, the Tender shall be signed by all the Partners of the firm or by the Managing Partner who have Signature and Seal of the Contractor authorized to do so or by a person holding the Power of Attorney on behalf of the Partnership Firm.
- A copy of the Partnership Deed and / or a copy of the Power of Attorney, Self-attested shall accompany the Proprietor or Partner of the Company.
- BHEL will not be bound by any other Power of Attorney granted or the change in the composition of the firm made, subsequent to the execution of the Contract agreement. They may however recognize such Power of Attorney or change in status after obtaining legal advice and the cost involved in that connection shall be chargeable to the bidder concerned.

If Tenderer expires after the submission of his Tender or after the acceptance of his Tender the BHEL may, at their discretion, cancels such Tender. If a partner of a firm expires after submission of Tender or after the acceptance of the Tender, BHEL may cancel such Tender at their discretion unless the firm retain its character. The works executed in the own name of the Tenderer only will be considered for eligibility criteria.

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BILL OF QUANTITY (BOQ). SCOPE OF WORK & SPECIAL TERMS AND CONDITIONS OF THE CONTRACT:

1. BILL OF QUANTITIES (BOQ):

S.N.	Services Description	UOM	QTY
A	<u>Operation and Maintenance</u> Operation and Maintenance of 19 Nos of industrial RO Plants (13 Nos of 500 LPH Capacity & 6 Nos of 250 LPH Capacity), 100 Nos of Domestic RO Plants installed at Various Locations in BHEL Trichy Factory Complex as per detailed scope of work in Annexure - A	MONTHS	15
B	<u>Supply of Spares</u> Supply of required spares at site of work in BHEL Trichy for 19 Nos of Industrial RO Units. Rate quoted shall include loading, transportation, unloading at site of work, all taxes, duties and any other incidental charges etc., complete. The replacement and re fixing of defective spare parts is part of operation and maintenance contract (item No 1) and no separate payment will be paid. Only cost of spare parts found defective and actually replaced will be paid		
1	Multi Port Valve	EA	2
2	Micron Filter Catridge - 5 Micron, Wound Type, 20 " Long, 2.5 Inch Dia	EA	1,600
3	Filter Housing - 20 " long, 2.5" dia with 3/4 " dia inlet & outlet – PP Housing	EA	2
4	Pressure Switch (Low Pressure / High Pressure)	EA	1
5	Roto Meter - 1/2 " inlet & outlet with 600-1200 LPH rating , Acrylic	EA	1
6	2.5 " dia, Glycerin filled , Panel Mount fitting type , SS Pressure Gauge (0- 25 Kg/SQCM)	EA	1
7	Control Panel With Conductive Meter mountable on RO skid, powder coated	EA	2
8	4" dia , 40" long spiral wound RO membrane - FRP	EA	20
9	PP Membrane housing for 4" dia , 40" long membrane	EA	2
10	Dosing Pump - Electronic Dosing Pump with 6 LPH capacity at 4 KG /SQCM operating Pressure	EA	2
11	Anti Scalant Chemical	KG	150
12	High Pressure Pump - 3 M3 / Hr capacity-Vertical Multistage Centrifugal Pump - Wetted Parts in Stainless Steel SS 304.	EA	2
13	Raw Water Pump - Centrifugal Regenerating Pump - 1 M3 / Hr	EA	2

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	Capacity. Material of Construction - Wetted parts in Stainless Steel SS 304.		
14	Filtering Sand (8-16 mm)	KG	200
15	Coarse Silex (16-20 mm)	KG	200
16	Pressure Vessel - 13 x 54 with top & bottom Strainer	EA	2
17	Pressure Gauge - 0-7 kg/sqcm,50 mm dial, bottom mounted	EA	1
18	Fine Silex	KG	200
19	Activated Carbon IV 900	KG	200
20	UV Lamp - 15 Watts	EA	1
21	Pebbles 1 x 3/4 "	KG	200
22	Pebbles 3/4 " x 1/2"	KG	200
23	Low PH RO Membrane Cleaning Chemical - Polymer Based Acid	KG	25
24	High PH RO Membrane Cleaning Chemical - Polymer Based Alkali	KG	25
C	Supply of Spares - Domestic RO units Supply of required spares at site of work in BHEL Trichy for 100 numbers of Domestic RO Units, pre filter for Geysers & pre filters for Water Coolers. Rate quoted shall include loading, transportation, unloading at site of work, all taxes, duties and any other incidental charges etc., complete. The replacement and re fixing of defective spare parts is part of operation and maintenance contract.		
1	2.5" x 10" Pre Filter Housing with 15 NB Inlet and Outlet Connections for Geyser	NO	2
2	2.5" x 20" Pre Filter Housing with 15 NB Inlet and Outlet Connections for Water Cooler	NO	2
3	1/2 " Inlet PVC Ball Valve for Geyser Filter / Cooler Filter	NO	3
4	1/2" PP Hose with Connectors for Geyser Filter / Cooler Filter	SET	10
5	L Clamp for Filter Mounting	NO	5
6	1/2" Inlet T Joint with 3/8" Reducer Valve in Stainless steel	NO	50
7	2.5" x 10" Pre Filter Housing with 15 NB Inlet and Outlet Connections for RO External Pre Filter with PP Mounting Clamp	NO	15
8	2.5" x 10" ht 10 Micron Cartridge Filter Spun Type for Both RO & Geyser Filter	NO	750
9	Inline Activated Carbon Filter	NO	50
10	Inline Sediment Filter	NO	50
11	Smart protector	NO	2
12	Low Pressure Switch	NO	2
13	Solenoid Valve 24/36 V DC	NO	75
14	SMPS 24/36 V DC	NO	75
15	75 GPD Booster Pump 24/36V DC	NO	75
16	Membrane Housing	NO	25
17	18" x 12" RO Membrane	NO	75
18	Flow Restrictor	NO	50

NAME OF WORK: Operation and Maintenance of RO Plants (19 Nos) and Annual Maintenance for domestic Type RO Units, Pre filters for Geysers, Pre filters for Water Coolers installed at Various Buildings in BHEL Factory Complex ,Trichy-14.

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19	Anti Oxidant Alkaline Filter	NO	2
20	3/8" PP tube for interconnection	M	100
21	1/4" PP tube for interconnection	M	150
22	Pure water PP Tap	NO	50
23	Set of Push Fittings connectors in 3/4" & 1/4"	NO	300
24	Float Switch	NO	100
25	Commercial grade High Purity Citric Acid for membrane cleaning	KG	20

2. SCOPE OF WORK:

1. The scope of work includes the following:
1A) Operation of all the Industrial RO plants in and around factory complex by employing 3 qualified operators on all days of the Year excluding Sundays and BHEL Holidays.
1B) Operation of all the RO plants inside factory complex by employing 1 qualified operator on Sundays and BHEL Holidays excluding National Holidays.
(National Holidays-1.Republic Day 2.Independence Day 3.May Day and 4.Gandhi Jayanthi)
2. Cleaning the unit of the plant regularly, backwashing and dosing of anti scalant chemical time to time (as per manufacturer's recommendations and instructions of Engineer-in-charge). Periodical Cleaning of the Raw water tanks and Treated water collection Tanks. Supply of anti scalant chemical will be paid under separate item.
3. Regular maintenance of pumps such as oiling, greasing, motor shaft, pipes, minor rectification and replacement of minor parts such as nuts and bolts etc, minor parts of pumps,electrical wiring etc., Supply and Replacement of damaged UPVC pipes and specials interconnecting the plant units of small quantities including consumables such as solvent cement,teflon tape etc. The scope also includes breakdown maintenance whenever necessary
4. Replacement of spares listed under Items 2 to 25 if necessary. The replacement and re fixing of defective spare parts is part of operation and maintenance contract and only the cost of spares will be paid under item 2 to 25 at actuals.
5. Maintaining daily log sheets for the opeartion of RO Plants all as per instructions of Engineer -In-Charge.
6. Performing "Cleaning In Place" of the RO Membranes. CIP shall have to be done whenever required as per the instructions of Engineer-In-Charge. The skid for performing CIP shall have to brought by the Contractor and the Polymer based Chemicals required for CIP will be paid under separate item.
7. Day to day maintenance of 100 numbers of Domestic RO Units of Brand: Bluemount Model: Eva installed in and around the factory complex in BHEL, Trichy.
8. Attending to preventive / break down maintenance of the RO Units including replacement of spares. Cost of spares will be paid under separate Item.
9. Day to day Maintenance of pre-filters installed for Geycer Uints in various locations of the factory complex including Replacement of cartridge and housing wherever required. Spreas such as Housing and cartridge will be paid under separate item.
10. Day to day Maintenance of pre-filters installed for Cooler units in various locations of the factory complex including Replacement of cartridge and housing wherever required. Spreas such as Housing and cartridge will be paid under separate item.

NAME OF WORK: Operation and Maintenance of RO Plants (19 Nos) and Annual Maintenance for domestic Type RO Units, Pre filters for Geysers, Pre filters for Water Coolers installed at Various Buildings in BHEL Factory Complex ,Trichy-14.

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Sl.No	Description of the Spare	Technical Specifications	Material of Construction	Dimension	Brand / Make
1	Multi Port Valve	25 mm NB	Polypropelene	25 NB	Solo/UKL/Initiative/any other equivalent approved Brand
2	Micron Filter	Jumbo type , Wound - Thread Tighten, 5 Micron , Height - 20" , 2.5" Dia	Polypropelene	20" Lenth, 2.5" dia	Darly /Gopani / any other equivalent approved Brand
3	Filter Housing	Height - 20" , dia -2.5" , with 3/4 " inlet & outlet	Polypropelene	20" Lenth, 2.5" dia	Org /Gopani / any other equivalent approved Brand
4	Pressure Switch	Low Pressure and High Pressure			Org / Waree/Danfoss / Baumer or any other equivalent approved Brand
5	Roto Meter	1/2" inlet and Outlet (600 LPH & 1200 LPH Rating)	Acrylic	600 lph and 1200 lph	ECE / Aster / any other equivalent approved Brand
6	Pressure Gauge	2.5 " dia -Glycerin filled panel mount type	Stainless Steel	2.5" Dia,	Pratham / Waree / Baumer / any other equivalent approved Brand
7	Control Panel With Conductive Meter	Mounted on RO Skid	Powder Coated MS	NA	Astro 1:3 /Aster / any other equivalent approved Brand
8	Membrane	Spiral wound, 4" Dia, 40" long	FRP	4" Dia, 40" Lenth	Filmtec/hydronautic /any other equivalent approved Brand
9	Membrane Housing	4" Dia, 40" long to house the RO Membrane	FRP	4" Dia, 40" Lenth	UKL/Alfa / Pentair / Matrix /any other equivalent approved Brand
10	Dosing Pump - Electronic Dosing Pump	upto 6 LPH , 4kg/sqcm operating pressure,	Polypropelene	NA	UKL / Neo E-Dose /any other equivalent approved Brand
11	Anti Scalant Chemical	Liquid Polymer Base	NA	NA	GE / Dorf / any other equivalent approved Brand
12	High Pressure Pump	3 M3 / Hr capacity,3 HP, 3 Phase,	SS 304	NA	CNP/Grundfos/FTT
13	Raw Water Pump	Centrifugal Regenerating Pump, 1000 lph @ 2 Bar	Aluminium	NA	CNP/Grundfos/Ebara

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3. SPECIAL TERMS AND CONDITIONS OF THE CONTRACT

1. PAYMENT TERMS:

1.1 Payment will be made on monthly basis after completion of work on pro-rata basis based on actual work executed as per BOQ after acceptance and certification of Area in charge (BHEL Executive). Payment shall be made as follows on submission of bill complete in all respect.

- I. 90 days from issue of CRAC / SDA for Non MSME
- II. 60 days from issue of CRAC / SDA for Medium (UDYAM Certificate to be submitted)
- III. 45 days from issue of CRAC / SDA for MSE (for Micro and Small enterprises only- UDYAM Certificate to be submitted).

If UDYAM Certificate not submitted substantiating the same, payment will be processed in Non-MSME basis.

1.2 The Contractor should 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. The Contractor shall, once in every month, submit to the respective area HOD separately details of their claims for the work done by them up to and including the previous. He should in addition furnish a clear certificate to the effect that the claims submitted by him as aforesaid cover all his claims and that no further claims shall be raised by him in respect of the work done up to and including the period under report. Payment will be at the sole discretion of BHEL.

1.3 Payment will be made to the Contractor on monthly basis against the submission of the following documents:

- a. Invoice : Original + 2 photo copies
- b. Attendance Register : 2 photo copies
- c. Wage register : 2 photo copies
- d. Bank statement : 2 photo copies
- e. ESI Challan : 2 photo copies
- f. PF statement : 2 photo copies.
- g. Copy of payment challan of previous Month / Quarter as proof of deposit of GST along with a certificate from the Contractor that GST collected from BHEL has been remitted to tax authorities
- h. Any other relevant document which is required from time to time as per BHEL requirement.

1.4 If the Contractor is not registered for any statutory obligation and not liable thereto, then a declaration should be submitted along with offer that they are within the threshold limit.

1.5 No advance may be paid for operational or any other expenses.

1.6 Goods and Services tax will be payable extra by BHEL at prevailing rates and corresponding TDS will be made as per Government norms.

1.7 Bills for every month shall be prepared by the Contractor on the basis of actual services provided with at least minimum numbers of manpower as specified by BHEL and submitted to Chief Matron for verification. Payments will be effected on actual basis after certification by the Chief Matron. All the bills of contractors will be cleared by Finance Department subject to production of "Clearance Certificate" by the contractors in respect of compliance of all statutory requirement, issued by the Contract Cell of Human Resources Management.

2. LIQUIDATED DAMAGES (LD)/PENALTY:

2.1 **Recovery/Deduction Conditions for Industrial RO Units (19 No):** If any of the RO plant is not operated for more than 24 hours due to reasons accountable to the vendor, recovery will be made on pro rata basis as per the approved and awarded rate in Sl.No.1 plus 30% overhead charges, from the date of stoppage to the date of putting back in to operation effectively

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Illustration:

LIQUIDATED DAMAGES (LD)/PENALTY:

Say, Awarded rate for Item No 1 for one calendar Month (for all 19 Plants) = Rs M

In case one RO plant is not operated for two days in a calendar month due to the reasons attributable to the vendor

Recovery = $(M/19) (2/30) * 1.30$

2.2 Recovery / Deduction for Domestic RO Plants:

If the plant cannot be used due to non-replacement of spares by the vendor beyond 48 hours, penalty at Rs 100 per day per Domestic RO Unit will be imposed

- 2.3 Start of services should be made by the contractor in accordance with the time schedule specified in the work order.
- 2.4 In case the services are not started on the stipulated date as indicated in the work order, BHEL reserves the right to cancel the work order and/or recover liquidated damage charges to the extent of the charges incurred by BHEL in making alternative arrangements along with penalty of Rs. 10,00/- per day for the delay period.
- 2.5 If the contractor fails to fulfil any of the contractual obligations, seven days' notice will be issued to rectify the defect failing which BHEL shall have the right to levy penalty equivalent to 0.05% of the contract value for every defaulting week subject to a maximum of 10% and without prejudice to any other relief or compensation to which the company is entitled under the other conditions of the contract.
- 2.6 Cancellation of the work order shall be at the risk and responsibility of the contractor and BHEL reserves the right to award the work at the risk and cost of the defaulting contractor.
- 2.7 In the event of any successful Tenderers 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., depmurrage etc., will be fully recovered from the contractor who failed to complete the job in line with the Contract. The decision of BHEL will be the final in this regards.
- 2.8 The penalty will be restricted to 10% of the contract value whereas there will not be any limit for risk purchase recovery.
- 2.9 In case of any change of order value, penalty shall be subject to a maximum of 10% of the revised order value.

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List of Industrial RO Plants installed in and around Factory Complex:

SL. NO.	Location / Building	Capacity	Number of Plants
1	19 Canteen	500 LPH	1
2	58 Canteen	500 LPH	1
3	Building 1	500 LPH	1
4	SSTP Canteen	500 LPH	1
5	SSTP Shop	500 LPH	1
6	24 Building	500 LPH	1
7	107 Bldg	500 LPH	1
8	108 Bldg	500 LPH	1
9	50 Building	500 LPH	1
10	Unit II - Canteen	500 LPH	1
11	Thermo Press - Annex	500 LPH	1
12	Main Hospital	500 LPH	1
13	53 Building	250 LPH	1
14	6 Building	250 LPH	1
15	5 Building	250 LPH	1
16	HRDC Canteen	250 LPH	1
17	WRI	250 LPH	1
18	IC Building	250 LPH	1
19	Building 79	500 LPH	1
		Total	19

RO DISPENSER UNIT INSTALLATION DETAILS:

SL. NO.	LOCATION	NOS.	MACHINE SERIAL NO.
1	Bldg.:50 / Bay:1 /Column No: A21	1	BM30719789
2	Bldg.:50 / Bay:3 /Column No: D16	1	BM30719790
3	Bldg.:50 / Bay:2 /Column No: B12	1	BM30714315
4	Bldg.:50 / Bay:5 /Column No: F2	1	BM30719806
5	Bldg.:50 / Shipping Bay /Column No: C1	1	BM30714293
6	Bldg.:50 / Bay:A /Column No: G22	1	BM30714292
7	Bldg.:50 / Bay:8 /Column No: L18	1	BM30714319
8	Bldg.:50 / Bay:3 /Column No: C11	1	BM30714318
9	Bldg.:50 / Bay:7 /Column No: J18	1	BM30719803
10	M&S / AC Section / Bldg.5	1	BM30714281
11	M&S / Facility	1	BM30719796
12	M&S / MMO / Bldg.50	1	BM30719826
13	M&S / Gas plant booster Area	1	BM30719815
14	M&S / Gas plant / MMO	1	BM30719812
15	LT SHED	1	BM30719825
16	Unit:II LPG Storage Yard	1	BM30714323
17	Unit:II, Bldg.: 108, Bay:176, Column No: F23	1	BM30716605
18	Unit:II, Bldg.: 108, Low Bay, Column No: E1	1	BM30714289
19	Unit:II, Bldg.: 108, Low Bay:178, Column No: C18	1	BM30716604
20	Unit:II, Bldg.: 117, Bay:182, Column No: A7	1	BM30719780
21	Unit:II, Bldg.: 117, Bay:182, Column No: A22	1	BM30714415

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22	Unit:II, Bldg.: 117, Bay:184, Column No: B3	1	BM30719779
23	Unit:II, Bldg.: 117, Bay:184, Column No: C13	1	BM30714416
24	Unit:II, Bldg.: 107, Bay:1, Column No: A18	1	BM30714327
25	Unit:II, Bldg.: 107, Bay:A, Column No: E23	1	BM30719793
26	Unit:II, Bldg.: 107, Bay:4, Column No: D9	1	BM30714288
27	Unit:II, Bldg.: 107, Shipping Bay, Column No: E1	1	BM30719794
28	Unit:II, Bldg.: 107, Compressor House	1	BM30714322
29	Unit:II, Bldg.: 123, Bay:159, Column No: C10	1	BM30719805
30	North Gate Security	1	BM30719787
31	Fire Station / HPBP	1	BM30714306
32	Main Gate Security / Near CSO office	1	BM30719776
33	SECURITY - BTPT - 3 POINT	1	BM30714307
34	Unit:II Main Gate	1	BM30719788
35	Unit:II Fire Station	1	BM30719775
36	Security Ground	1	BM30714280
37	Logistics Office / North Region office / Near AGM Office	1	BM30714300
38	Logistics Packing shed / Ward-81	1	BM30719811
39	LOGISTICS Bldg. 50	1	BM30719802
40	LOGISTICS/SOUTHERN REGION/ GARAGE	1	BM30714313
41	LOGISTICS NORTH YARD	1	BM30714312
42	LOGISTICS / GM OFFICE / Spares Ward-93	1	BM30714301
43	LOGISTICS employees rest room	1	BM30719804
44	Civil North Zone	1	BM30719816
45	Civil / Vengur Main Office	1	BM30714295
46	SOUTH ZONE CIVIL OFFICE	1	BM30714294
47	TOWN SHIP / CIVIL OFFICE UPSTAIR	1	BM30719783
48	TOWN SHIP / CIVIL / NEW CANTEEN	1	BM30719784
49	Equalising Reservoir	1	BM30714314
50	Calibration Centre (Mechanical)	1	BM30714425
51	East Gate / Stores Office / 1st Floor / Near AGM MM Stores	1	BM30719807
52	Ward No:12 & 16 / Near East Gate Store	1	BM30719817
53	Stores / Ward-26	1	BM30719808
54	Ward No:10 / Electrode Stores	1	BM30719818
55	RPS / Office	1	BM30714290
56	RPS / DINING HALL	1	BM30714291
57	INFLAMABLE STORES	1	BM30714286
58	Welfare Office	1	BM30714303
59	Bldg.: 60 /C&I Centre	1	BM30719814
60	WRI / 1st Floor / GM Office	1	BM30714419
61	WRI / Canteen	1	BM30714420
62	CENTRAL LAB / 1ST FLOOR	1	BM30714426
63	Coal Research / New Bldg. / 1st Floor	1	BM30714317
64	Coal Research / FETF Site	1	BM30714316

65	CCDP / Southern Side Rear / Stores	1	BM30714423
66	CCDP / Canteen	1	BM30714424
67	MHD / Pilot Plant / 1st Floor / Near GM Office	1	BM30719792
68	MHD / Canteen	1	BM30719791

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69	Main Hospital (Near ENT)	1	BM30716609
70	Main Hospital (Near CMO Office)	1	BM30714282
71	Main Hospital (Eye Operation Theatre)	1	BM30716608
72	TRICHY TOWN / RSK DISPENSARY	1	BM30719778
73	Act. Apperentics / Hostel -I (Near HRDC)	1	BM30714412
74	Act. Apperentics / Hostel -II (Near HRDC)	1	BM30714411
75	ET Hostel-1	1	BM30714417
76	ET Hostel-2	1	BM30714418
77	OHS MODEL CENTRE/ GROUND FLOOR	1	BM30719813
78	Bldg.:1 / Bay:1A / Column No: J18	1	BM30714285
79	Bldg.:1 / Bay:1B / Column No: D17	1	BM30716602
80	Bldg.:1 / Thermo Press Shop / Column No: A1	1	BM30716603
81	Bldg.:1 / Drum Shop / Column No: K2	1	BM30714284
82	Bldg.:1 / Press Shop / Column No: C1	1	BM30714297
83	Bldg.:1 / Bay:168 ATP /Column No: C11	1	BM30719799
84	Bldg.:1 / Bay:161 ATP /Column No: D1	1	BM30714326
85	Bldg.:77 / ATP	1	BM30719800
86	Bldg.:1 / Bay:169 ATP /Column No: Q20	1	BM30714296
87	Bldg.:5 / High Bay / Column No: L11	1	BM30719782
88	Bldg.:5 / High Bay / Column No: C10	1	BM30719781
89	Valves Stores	1	BM30714409
90	Bldg:63 / Heat Treatment Shop	1	BM30714305
91	Bldg.:7 BOILER FITTINGS TEST STATION	1	BM30714283
92	Bldg.:6 / High Bay-B / Column No: A1	1	BM30719797
93	Bldg.:6 / Bay:4	1	BM30714405
94	HRDC / SPRING SHOP VALVES	1	BM30714275
95	SSTP / PLS Pumphouse	1	BM30714299
96	SSTP / Cold Mill Electrical Maintenance	1	BM30714298
97	SSTP / Oil tank (LPG yard)	1	BM30716599
98	SSTP Consumable Stores	1	BM30716598
99	New Quality Building (SF)	1	BM30714287
100	New Quality Building (FF)	1	BM30714406
	TOTAL	100	

List of Water Heaters & Water Coolers					
			Heater	Cooler	
Sl. No.	Bldg.	Area	Column No.	Column No.	
1	1	bay 1E	A1	A1	
2	1	bay 1E	K1		
3	1	BAY 9	K10	K10	
4	1	BAY1	B13	B13	
5	1	BAY 1A	D19	D19	
6	1	Bay 1B	D17	D17	
7	1	1 A SUB STATION	office		
8	1	Bay 1	B13	B13	
9	1	Bay 2	office	office	

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10	1	Bay 4	E11	E11	
11	1	Bay 6	G 11	G11	
12	1	Bay 7	J 11	J11	
13	1	Bay 9	K10	K11	
14	1	Bay 10	L11	L11	
15	1	Bay 11	N11	N11	
16	50	BAY A MMO	office	office	
17	50	CRANES MAINT	office		
18	50	BAY A ELECTRICAL	office		
19	50	BAY 5 ELECTRICAL	office		
20		LT SHEAD	office	office	
21	5	MMO OFFICE / Annexr	office		
22	5	AC MANIT	office	office	
23	6	MMO OFFICE			
24		FACILITY ENGG	office	office	
25		INSTRUMENTATION CENTRE	office		
26		TRANSPORT POOLING	office	office	
27	GAS PLANT	MMO OFFICE	office	office	
28	GAS PLANT	BOOSTER	booster	office	
29	GAS PLANT	7 METER LEVEL	7 m level		
30	108	Bay1 - 5	B9	B9	
31	108		B18	B18	
32	108		D10		
33	108		E9	E9	
34	108		F7		
35	108		E1		
36	108		B23		
37	108		F23	F23	
38		U - II Security gate	office	office	
39	117	Bay 182 & 184	A19		
40	117		B4	B4	
41	117		C13	C13	
42	123	BAY 158 & 159	A1	A1	
43	UNIT -II	CANTEEN	office	office	
44	UNIT -II	CANTEEN	office		
45	HOT MILL	cupboard area	C27	C27	
46	HOT MILL	maintenance	A25	A25	
47	HOT MILL	tool engg	B19	B19	

48	HOT MILL	SRM	B12		
49	HOT MILL	Electrical	C15		
50	HOT MILL	Repaire shop	C7	C7	

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51	COLD MILL	Electrical	G5	G5	
52	SSTP	CANTEEN	office	office	
53	SSTP	Security gate	office	office	
54	SSTP	Consumable store	office	office	
55	CENTRAL LAB		office		
56	LOGISTICS	Employees cuboard area	office		
57	WARD51		office	office	
58	Ward26	store	office		
59	Ward12		office		
60	North gate		office		
61	Main gate		office		
62	East gate		office		
63	RPS		office		
64	HRDC		office		
65	Three point gate		office		
66	HOSPITAL		office		
67	HOSPITAL		office		
68	HOSPITAL		office		
69	HOSPITAL		office		
70	Civil township		office		
71	Civil township		office		
72	SSTP gate		office		
73	2&4		office		
74	2&4		office		
75	2&4		office		
76	2&4		office		
77	OHS		office		
78	OHS		office		
79	WRI		office		
80	WRI		office		
81	WRI		office		
82	53		office		
83	53		office		
84	53		office		
85	53		office		
86	24		office		
87	24		office		
88	24		office		
89	24		office		
90	24		office		
91	LOGISTICS		office		

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92	LOGISTICS		office		
93	LOGISTICS		office		
94	LOGISTICS		office		
95	LOGISTICS		office		
96	IC Bldg		office		
97	IC Bldg		office		

98	169		Q20		
99	Thermal pressshop		A1	A1	
100	1	Bay 1D	K2	K2	
101	109	Bay 168	C11	C11	
102	77	NARORA	office	office	
103	1	Bay 161	D1	D1	
104	1	Bay 118	K4	K4	
105	77	FBTR	office	office	
106	107	Bay 1	B5	A9	
107	107	Bay 3	C12	C12	
108	107	Bay A	C22	E23	
109	107	Bay 4	D12	D12	
110	107	BAY 5	E7	E7	
111	50	Bay A	office	office	
112	50	Bay A	G22		
113	50	Bay 6	K8	K7	
114	50	Bay 7	J8	J7	
115	50	Bay 5A	H7	H7	
116	50	Bay 7		K18	
117	50	Bay 9		L 7	
118	50	Bay 8		L21	
119	50	Bay 1			
120	50	Bay 2			
121	50	Bay 3			
122	50	Bay 4			
123	50	Bay 5			
124	50	Bay 5			
125	50	Shipping bay			

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II. GENERAL TERMS & CONDITIONS OF CONTRACT

1. Definition:

In these General Conditions of Contract, the following terms shall have, I 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 respective area HOD 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 DGM / WCM 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.

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/WCM. 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 Byelaws:

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 in any of the forms mentioned below.

Modes of Deposit:

The EMD shall be accepted only in the following forms:

- (i) Electronic Fund Transfer credited in BHEL account (before Tender opening) or
- (ii) Demand Draft (DD) in favor of BHEL Trichy (along with offer) or

In addition to above, the EMD in excess of Rs Two lakh may also be accepted in the form of Bank Guarantee(BG) from scheduled bank. The Bank Guarantee in such cases shall be valid for at least six months. This means, for eg., If EMD stipulated for a Tender is ₹ 2.50 lakhs, ₹ 2 lakhs shall be deposited in any of the above (2) modes and the balance ₹ 0.50 lakhs shall be given as bank guarantee". However, if a Tender has an EMD amount equal to or less than 2 lakhs, then BG cannot be accepted for EMD. Vendor should exercise caution while taking modes of EMD for appropriate amount, as per Tender, failing which their offer is liable to be rejected.

Forfeiture of EMD / SD:

EMD by the Tenderer will be forfeited as per Tender documents if

- i) After opening the Tender and within the offer validity period, the Tenderer revokes his Tender or makes any modification in his Tender or increase his earlier quoted rates.
- ii) The Contractor fails to deposit the required Security deposit or commence the work within the period as per LOI/ Contract.
- iii) 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.

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 normally within 15 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, furnish security deposit within seven (7) days of receipt of the notification of acceptance of his Tender, as indicated. **Security deposit shall be @ 10 % of Contract value.**

After issue of LOI / Work Order intimation, if the Contractor fails to commence the work within 15 Days or as indicated in LOI / Work Order, and do not complete the work in total as per the terms & conditions of tender, EMD / SD deposited by the Contractor will be forfeited and suitable action will be taken as per GeM GTC.

SD conversion of EMD:

EMD of the successful Tenderer shall be converted and adjusted towards the required amount of Security deposit (SD):

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Modes of Deposit:

The balance amount to make up the required **Security Deposit of 10%** of the contract value may be accepted in the following forms:

- j) Cash (as permissible under the extant Income Tax Act)
- ii) Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL
- iii) Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL
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.

Collection of Security Deposit:

- LOI will be issued separately through mail, Security Deposit has to be deposited within 7 days of LOI. Else EMD will be forfeited and may also attract the provision as per GeM GTC.
- If the value of work done at any time exceeds the contract value, the amount of Security Deposit shall be correspondingly enhanced and the additional Security Deposit shall be immediately deposited by the Contractor or recovered from payment/s due to the Contractor.
- 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 or from the interest arising therefrom or from any sums which may be due 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 seven 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.

Timely Submission of SD: 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.

REFUND OF SECURITY DEPOSIT:

Security Deposit will be refunded on completion of the work and after the expiry of the maintenance period, if any, provided always that the Contractor shall first have been paid the last and final bill and have rendered a "NO DEMAND CERTIFICATE". In case no maintenance period is applicable, then 100% of security Deposit will be refunded after providing "NO DEMAND CERTIFICATE" by the contractor as per

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format provide by BHEL.

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

At the time of bill passing, the contractor shall submit the copy of the remitted GST challan of previous month / Quarter as proof of GST remitted to tax authorities and also a Certificate Stating that "GST Collected from BHEL has been remitted to tax authorities".

For services / supplies after implementation of New GST Return System i.e. from 01/10/2019, the following conditions will apply and contractor shall fully comply to the below points.

- a) Response to Tenders for Indigenous supplier will be entertained only if the vendor has a valid GST registration Number (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 GSTN portal. The unregistered dealer as well as the composition dealer has to submit an undertaking stating that they will not claim GST during the execution of the contract even if their status under GST changes to regular tax payer. 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. **Wherever E-Invoice is applicable, the tax invoice/ CN / DN submitted by the vendor must contain the QR code generated in E-Invoice Portal & IRN.**
- 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 their GSTR-1 Return/ IFF
 - ii. Receipt of Goods or Services and Tax invoice by BHEL
- e) As the continuous uploading of tax invoices in GSTN portal (in GSTR-1/ IFF) is available for all (i.e. both Small & Large) tax payers, 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 GSTN 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 GSTR-2A/ GSTR-2B).
- 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

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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 will be generated in GSTN portal subsequent to vendor accepting the TDS deduction in the GSTN portal & the vendor can directly download the Certificate from the GSTN Portal.
- l) In case any changes in taxes and duties as per Gov. Notification (including GST), the same shall be applicable from time to time.

GST will be charged on the

1. EMD/SD amount forfeited from the bidder at the applicable rates.

2. Risk purchase 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”.

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:

1. The Contractor shall either himself supervise the execution of the contract or shall appoint a competent agent acceptable to BHEL Officials.
2. 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.
3. The Contractor or his accredited agent shall attend when required without making any claim for doing so to the OFFICER-INCHARGE, to receive instructions.
4. 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. Payment to employees engaged by the contractor:

1. 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.
2. 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.
3. 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 in-charge of contract operating department. If the 7th days falls on Sunday or holiday the payment should be made on the previous working day
4. Contract labours has to sign the filled in wage register in front of the area in-charge of contract operating department and area in-charge should certify the wage register for payment to the Contract labours only after signed by all the contract labours in filled wage register.
5. Contractor shall have/ obtain license under the Contract Labour (Regulation and Abolition) Act-1970.
6. **Contractor should ensure that at least the prevailing minimum wages, contractors shall pay minimum wages stipulated from time to time for employment in Hospitals and Nursing Homes by the Tamil Nadu Government inclusive of bonus after remitting PF & ESI contributions, are paid to his employees only in their respective nationalized bank accounts by means of NEFT/ RTGS/ IMPS.**
Any changes in manpower should be informed to the executive in-charge of Contract execution department before engaging them along with the details.

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While submitting the bills, the contractor should submit a proof of payment made to employees only through nationalized bank, along with PF and ESI contribution challans to Welfare Section every month for effecting payment by BHEL. Otherwise, payment to the bills will not be processed.

In addition, the contractor has to submit wage register as a proof for payment of Minimum wages as per prevailing acts, for getting payment from BHEL.

7. The contractor shall 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. The relevant Bank statement/proof of payment should be produced along with PF and ESI challans every month.

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.

8. 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.
9. **Each contract employees must have his own PF and ESI Codes and comply with the relevant Acts.**
10. **The Contract workers should be fully aware of safety measures and observe all safety precautions during work. The Contractor should also make his own arrangements to provide requisite safety devices to the workers, based on the nature of work. Any accident / incident occurring to his workers in Company's premises should be reported in writing by the Contractor to Safety, Welfare and Line Executive concerned.**
11. Contractor shall maintain proper records of PF, EDLI, Pension, ESI contribution, administrative charges etc., wherever applicable and shall produce proof of deductions as well as remittances. Contractor shall issue wage slips to his employees. Indicative lists as follows, which shall be maintained neatly, completely and legibly for inspection by various statutory authorities and the company officials even at short notice:
- | | | | |
|-----|---|---|---|
| (a) | Form XIII
(Rule 75) | - | Register of Workmen employed by contractor |
| (b) | Form XIV
76) | - | Employment card issued by contractor (rule |
| (c) | Form XVI | - | Muster Roll (Rule 78(1) (a) (i) |
| (d) | Form XVII | - | Register of Wages (Rule 78(1) (a) (i) |
| (e) | Form XVIII | - | Register of wages-cum Muster Roll (in case of
weekly Payment) |
| (f) | Form XIX | - | Wage Slip (Rule 78) (b) |
| (g) | Form XX
(Rule (78) (1) (a) (ii) | - | Register of deduction for damages of loss |
| (h) | Form XXI | - | Register of files (Rule 78) (1) (a) (ii) |
| (i) | Form XXII | - | Register of advance (Rule 78) (1) (a) (ii) |
| (j) | Form XXIII | - | Register of overtime (Rule 78) (1) (a) (iii) |
| (k) | Form XXIV | - | Return to be sent by the contractor to
licensing officer (Rule 82) |
| (l) | any other records/registers required to be maintained by the contractors
under statutory provisions applicable to him. | | |

13. 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.

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14. 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.

15. Laws Governing the Contract:

The Indian Laws shall govern the contract for the time being in force.

16. Cancellation of Contract for Corrupt Acts:

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 shall:

- 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 with 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.

17. 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.

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- 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 behavior in dealing with employees of BHEL. Any misbehavior 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.

18. 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:
- 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:

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. 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.

19. 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.

20. 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.

21. 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.

22. 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.

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23. Force Majeure Clause:

As per GeM GTC

24. BENEFITS TO STARTUPS:

Start-up companies will be exempted from remitting EMD as per government norms. In terms of work Experience & Turnover, such vendors need to meet atleast 50% of Financial turnover & atleast 50% of similar experience on eligibility criteria in the tender.

For availing start-up benefits, relevant certificates issued by Department for Promotion of Industry and Internal Trade shall be submitted along with the tender.

25. Preference to Make in India:

For this procurement, the local content to categorize a supplier as a Class I local supplier/ Class II local Supplier/ Nonlocal supplier and purchase preference to Class I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 dated 04.06.2020 issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT".

26. SUBMISSION OF BILLS BY CONTRACTOR: Bills should be submitted within a week after execution of work during the calendar month. The Contractor shall submit a bill in triplicate detailing the various items of work done during the month supported by the requisitions issued from time to time. The Contractor shall, once in every month, submit to the end user / executing agency, separately details of his claims for the work done by him up to and including the previous month which are not covered by his contract agreement in any of the following respects:

- a) Deviation from the items provided in the contract documents.
- b) Extra items / new items of work.
- c) Items in-respect of which rates have not been settled. He should in addition furnish a clear certificate to the effect that the claims submitted by him as aforesaid cover all his claims and that no further claims shall be raised by him in respect of the work done up to and including the period under report.
- d) Tenderer has to quote rates both in figures and in words for all the items given in the Bill of Quantities provided.
- e) Along with bills, Contractors has to furnish self-attested copy of the following documents for further processing of bills:
- f) Copy of PAN card.
- g) Documentary proof for payment of PF/ESI (for the last month) with respect to the employees engaged by the contractor with payment details relating to individual names to be submitted.
- h) Copy of payment challan of previous Month / Quarter as proof of deposit of GST along with a certificate from the Contractor that tax collected from BHEL has been remitted to tax authorities.
- i) If the Contractor is not registered for any statutory obligation and not liable there to, then a declaration shall be submitted along with offer that they are within the threshold limit.

Any other relevant document which is required from time to time as per BHEL requirement.

27. PAYMENT OF BILLS: All payments to be made to the contractor, under this contract shall be through Electronic Fund Transfer (EFT) only as per payment terms.

- a) Payment will be made after completion of work as per tender conditions on acceptance and certification of bills by respective area Executive in charge.
- b) Statutory deduction like IT etc. will be deducted from contractor payment as required by Law.

EXTENSION OF CONTRACT: One or more extensions of the Contract may be done with mutual agreement between BHEL, Trichy and the approved Contractor. Such agreements shall be based on acceptance of the lowest rates and terms & conditions of the corresponding contract.

27. CRITERIA FOR AWARD OF WORK:

Evaluation of the offer shall be done on "Net Cash outflow to BHEL after taking into account applicable

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Taxes and Duties “and overall (package) L1 basis. The L1 position based on the quoted values (subject to calculations) including applicable Goods & Services tax (GST), will not necessarily mean L1 for a vendor, but the net liability to BHEL, after considering the Goods & Services tax (GST) criteria for all the vendors who had participated in the Tender. In case of exemption from the payment of Goods & Services tax (GST), the vendor has to submit a declaration along with the Tender. For such exempted vendor, Vendor cannot claim GST from BHEL, during the execution of the contract (if awarded) even if their status under GST changes to regular tax payer. **The Evaluation currency for this Tender shall be INR.**

28. Arbitration and conciliation:

The Parties agree that if at any time (whether before, during or after the arbitral or judicial proceedings), any Disputes (which term shall mean and include any dispute, difference, question or disagreement arising in connection with construction, meaning, operation, effect, interpretation or breach of the contract/Tender which the Parties are unable to settle mutually), arise inter-se the Parties, the same may, be referred by either party to Conciliation to be conducted as per GeM GTC

Appendix I

FORMAT FOR SEEKING CONSENT FOR REFERRING THE DISPUTES TO CONCILIATION THROUGH IEC

To,

M/s. (Stakeholder's name)

Sub: Resolution of the Disputes through conciliation by Independent Expert Committee (IEC).

Ref: Contract No/MoU/Agreement/LOI/LOA& date _____.

Sir,

With reference to above referred Contract/MoU/Agreement/LOI/LOA, you have raised certain Disputes/claims. Vide your letter dated____ you have requested BHEL to refer the Disputes/claims to IEC for Conciliation.

We are enclosing herewith Format (3) for giving consent and the terms and conditions of BHEL Conciliation Scheme, 2018 governing conciliation through IEC. You are requested to give your unconditional consent to the said terms and conditions of the Scheme by returning the same duly sealed and signed on each page. On receipt of your consent, matter will be put to the Competent Authority for consideration and decision.

Please note that BHEL has also certain claims against you (if applicable). BHEL reserves its right to agree or not to agree conciliation of the said disputes through BHEL and this letter is being issued without prejudice to BHEL's rights and contentions available under the contract and law.

Yours faithfully,

Representative of BHEL

Appendix II

FORMAT FOR GIVING CONSENT BY CONTRACTOR / VENDOR / CUSTOMER / COLLABORATOR / CONSORTIUM PARTNERS FOR REFERRING THE DISPUTES TO CONCILIATION THROUGH IEC

To,

BHEL

.....

Sub: Resolution of Disputes through Conciliation by Independent Expert Committee (IEC).

Ref: Contract/MoU/Agreement/LOI/LOA No & date____

With reference to above referred contract, our following bills/invoices/claims submitted to BHEL are still unpaid giving rise to Disputes:

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SL. no.	Claim Description	Bill submitted to BHEL (no. and date)	Amount of the bill/claim	Amount received from BHEL	Outstanding Amount

Accordingly, we request you to kindly refer the Disputes in respect of above claims to IEC for Conciliation.

We hereby agree and give our unconditional consent to the terms and conditions of BHEL Conciliation Scheme, 2018 governing conciliation through IEC. We have signed the same on each page and enclosed it for your consideration. Yours faithfully,

(Signature with stamp)

Authorized Representative of Contractor

Name, with designation Date

Appendix III

STATEMENT OF CLAIMS/COUNTER CLAIMS TO BE SUBMITTED TO THE IEC BY BOTH THE PARTIES

1. Chronology of the Disputes
2. Brief of the Contract/MoU/Agreement/LOI/LOA
3. Brief history of the Disputes:
4. Issues:
5. Details of Clam(s)/Counter Claim(s):

SI. No.	Description of claim(s)/ Counter Claim	Amount (in INR) Or currency applicable in the contract	Relevant contract clause

Basis/Ground of claim(s)/counter claim(s) (along with relevant clause of contract).

Note- *The Statement of Claims/Counter Claims may ideally be restricted to maximum limit of 20 pages. Relevant documents may be compiled and submitted along with the statement of Claims/Counter Claims. The statement of Claims/Counter Claims is to be submitted to all IEC members and to the other party by post as well as by email.*

29. 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 Clause.

30. 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.

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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.

31. SIGNING OF CONTRACT:

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 authorized 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 authorized to do so, shall accompany the contract.

32. 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.

33. RISK PURCHASE:

In case of abnormal delays (beyond the maximum late delivery period as per LD clause) or non-fulfilment of any other terms and conditions given in work order, BHEL may cancel the work order in full or part thereof, and may also make a contract of such work/service from elsewhere / alternative source at the risk and cost of the original contractor. BHEL will take all reasonable steps to complete the contract obligations from alternate source at optimum cost. If bidder does not agree to the above Risk Purchase Clause, BHEL reserves the right to reject the offer. In case for compelling reasons BHEL accepts the offer without acceptance of this clause by the bidder and in the eventuality of Risk Purchase, appropriate action will be taken as per BHEL extant rules. This will be without prejudice to any other right of BHEL under the contract. Risk & cost clause, in line with conditions of contract may be invoked in any of the following cases:

1. Contractor's poor progress of the work vis-à-vis execution timeline as stipulated in the contract, backlog attributable to contractor/ supplier including unexecuted portion of work/ supply does not appear to be executable within balance available period (#) considering its performance of execution.
2. Withdrawal from or abandonment of the work by contractor before completion of the work as per contract.
3. Non completion of work / Non-supply by the contractor within scheduled completion/delivery period as per contract or as extended from time to time, for the reason attributable to the contractor.
4. Termination of contract on account of any other reason (s) attributable to contractor.
5. Assignment, transfer, subletting of contract without BHEL's written permission resulting in termination of Contract or part thereof by BHEL.
6. Non-compliance to any contractual condition or any other default attributable to contractor.

Risk and Cost amount against balance work will be calculated 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 to 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.

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Contract quantities are the quantities as per original contract. If, Contract has been amended, quantities as per amended Contract shall be considered as Contract Quantities.

Items for which total quantities to be executed have exceeded the Contract Quantities based on drawings issued to contractor from time to time till issue of Termination letter, then for these items total Quantities as per issued drawings would be deemed to be contract quantities.

Substitute/ extra items whose rates have already been approved would form part of contract quantities for this purpose. Substitute/ extra items which have been executed but rates have not been approved, would also form part of contract quantities for this purpose and rates of such items shall be determined in line with contractual provisions.

However, increase in quantities on account of additional scope in new Tender shall not be considered for this purpose.

GST will be applicable against the Risk and cost amount.

NOTE: In case portion of work is being withdrawn, contract quantities pertaining to portion of work withdrawn shall be considered as 'Balance scope of work/supply' for calculating Risk & Cost amount.

34. Biometric Entry/Exit System for Contract Workmen:

1. The Entry/Exit of the employees engaged by contractor is to be regulated only through Biometric system.
2. The contractor should arrange photo coverage for all his/her employees within the above stipulated time.
3. 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.
4. 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.
5. The contractor should educate his employees in registering the attendance through the system.
6. 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.
7. 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.200/- per card will be deducted from the final bill/security deposit of the contractor.
8. If any contract employee lose his/her entry card, the contractor shall arrange a duplicate entry card for the employee by paying an amount of Rs.200/-.
9. The Contractor is totally responsible for the biometric cards issued to his/her employee.
10. The Contractor has to indemnify BHEL for all the damages and losses caused by his/her employees.

The list of documents required to obtain new ID Cards for contract workmen:

Sl. No.	Document	Description
1	Bio-data form for Contract Workman	Bio-data form for Contract Workman should be submitted duly signed by contractor and contract labour in prescribed format attached in Annexure.
2	E-pehchan Card	The existing wage limit for coverage under the ESI Act effective from 01.01.2017 is Rs.21,000/- per month (Rs.25,000/- per month in the case of Persons with Disability). Contract workmen covered under the Act needs to produce the E-pehchan Card. the contractors establishment must be indicated as current employer in e-pehchan.If the workman draws the wage / salary above the ceiling limit, undertaking letter should be produced by the

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		contractor and workman. copy of payslip / appointment order required.
3	PF / UAN	Universal Account Number of the individual to remit the EPF amount in EPF portal.
4	Passport size Photo – 1 No.	The passport size photograph of the individual should be in colour & legible pixels in the size of 3.5cm X 4.5 cm
5	Copy of Bank Pass Book	Copy of Bank Pass Book of the contract workman which will be used for making payment of wages.
6	Copy of Aadhar	Copy of Aadhar of the contract workman should be submitted with self attestation.
7	Police Verification Report	Police Verification Report of the individual needs to be submit who is newly joining in tiruchirappalli complex as a contract workman.The PVR must be recent one (i.e. not older than 3 months at the time of application submitted).
8	Covid Vaccination Certificate	Covid Vaccination Certificate should be produced
<i>After submission of above documents, Fingerprint of the individual needs to be captured.</i>		

Bio-data form for Contract Workman can be downloaded from
https://trichyintrab.bhel.in/pershome/contractcell/formats/new_biocard.pdf “

35. 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.)

36. Government Law's covering Under This Contract:

1. The Factories Act, 1948:

Section 32: Floors, stairs and means of access shall be properly maintained to ensure safety. Every place of working should have safe access. When any person has to work at a height from which he is likely to fall, provision shall be made, so far as is reasonably practicable, by fencing or otherwise, to ensure the safety of person so working.

2. Tamil Nadu Factories Rules, 1950

Rule 55: Hoists and Lifts & Rule 55A. Lifting machines, chains, ropes and lifting tackles: Shall be maintained in good condition, thoroughly inspected and examined by competent persons and records to be maintained.

Rule 57: Excessive Weights: No person shall, unaided by another person, lift, carry or move by hand or on head, any material, article, tool or appliance exceeding the maximum limit in weight set out in the schedule (50 kg for adult male and 30 kg for adult female).

Rule 61E: Machinery and plant: No machinery, plant or equipment shall be constructed, situated, operated or maintained in any factory in such a manner as to cause risk of bodily injury.

Rule 61F: Methods of Work: No process or work shall be carried on in any factory in such a manner as to cause risk of bodily injury.

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Rule 61G: Stacking and storing of materials etc.: No materials or equipment shall be stacked or stored in such a manner as to cause risk of bodily injury.

Rule 61-K. Examination of eye sight of certain workers: No person shall be employed to operate a crane or to give signals to crane operator unless his eye sight and colour vision have been examined and declared fit by a qualified ophthalmologist.

Rule 61-N and Rule 61- O: Workers to be provided with Personal Protective equipment suitable for the hazards and should be of good quality / have certification by Indian Standard Institute.

Note: For the type of work envisaged, personal protective equipment such as helmet, safety shoes and gloves are essential.

Rule 96: Notification of accidents: Shall be complied with as required in the Factories Act (Section 88 and Section 88A) and Tamil Nadu Factories Rules.

The Contractor shall in respect of Personnel employed by him either directly or through sub-Contractors, comply with or cause to be complied with following statutory provisions and rules and in regard to all matters provided therein.

The Contract Labour (Regulation & Abolition) Act 1970 and the related Rules.

- a. The minimum wages Act 1948 and the related rules
- b. The payment of wages Act 1936 and the related rules.
- c. The Factories Act 1948 and related Tamil Nadu Rules.
- d. The Employees' Provident Fund & Miscellaneous provisions Act 1952.
- e. The Employees State Insurance Act 1948.
- f. Workmen Compensation Act 1923 Payment of Bonus Act 1965
- g. Maternity Benefit Act, 1961
- h. Payment of Gratuity Act, 1972
- i. Inter-State Migrant Workmen (Regulation of Employment & Conditions of Service) Act, 1979
- j. Equal Remuneration Act, 1976
- k. Industrial Employment (Standing Order) Act, 1960 (In case of engaging 100 or more personnel)
- l. The Industrial Disputes Act 1947

3. Information technology act 2000

And any other law or modifications to the above or to the rules made there under from time to time.

37. STATUTORY REQUIREMENTS:

- a. All statutory requirements under Minimum Wages Act, 1948, Factories Act 1948, Workmen Compensation Act 1923, Employees Provident Fund and Miscellaneous Provisions Act, 1952, Payment of Gratuity Act 1972, Employee State Insurance Act 1948, Contract Labour (R&A) Act 1970, Payment of Bonus Act 1965, Income Tax Act, GST Act and all other applicable Acts shall be complied with by the Contractor.
- b. Contractor shall comply with all statutory requirements, rules, regulations, notifications in relation to employment of his employees issued from time to time by the concerned authorities.
- c. Contractor shall indemnify BHEL against all claims and losses under various Labour Laws, statutes or any civil or criminal law in connection with employees deployed by him.
- d. Contractor wherever applicable shall maintain proper records prescribed by the concerned statutory authorities and provide a copy of the same to BHEL.
- e. Contractor shall furnish proper returns to the concerned statutory authorities and provide a copy of the same to BHEL.

38. REMOTE TRANSACTIONS: -

The Contractor shall agree to and comply with all such terms and conditions as BHEL may prescribe from time to time and shall confirm that all transactions effected by or through facilities for conducting remote transactions including the Internet, World Wide Web, electronic data interchange, call centers, teleservice operations (whether voice, video, data or combination thereof) or by means of electronic, computer,

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automated machines network or through other means of telecommunication established by BHEL shall constitute legally binding and valid transactions when done. Any transaction pertaining to the Tender from both the parties of business done round the clock irrespective of the office or business hours of the companies, are valid legally and binding on both the parties. This applies to the extent only in such cases where deadline time for transaction is not specifically declared by either or both the parties to the business. In case Letter of Intent (LOI) is issued through email, the PC generated time and date of mail shall be construed as the official time and date of release of LOI. In as much as this date is within the last date of validity given by the bidder the LOI is said to have been issued within the validity period and shall be binding on both the parties to the business.

39. CHANGE IN CONSTITUTION OF FIRM:

Changes in constitution of firm whenever it is made after submission of application or during currency of the Contract, the existing firm has to duly inform the proposed changes to Contracting department of BHEL at the appropriate time before the changes in the constitution are made. In case the absence of any such information BHEL is not responsible for the consequences arising out of the absence or suppression of information and the issue / dispute arising out of these changes and the firm is responsible for settling the issue or dispute among themselves (Partners etc.) or with the bankers or with any third party. Under the above circumstances when dispute arises and the firm does not inform the change in the constitution of the firm BHEL has the right for suspending or terminating the Contract.

40. Common Terms and Conditions for Works Contract relevant to Safety:

Following points shall be ensured for the safety of contract employees:

I. Identity and Entry:

1. The contractors to give identity card to their employees with full details like employee name, company name, age, blood group, contact person with phone no. etc.
2. The contractor shall not engage in connection with the work any person who has not completed 18 years of age or has completed 60 years of age."
3. HR/ Welfare will issue passes to the trained employees only.
4. Welfare section shall arrange for necessary infrastructure (biometric entry) for enrolment of new contract workers. Biometric entry system will be made available in North Gate and Unit 2 initially.
5. The data of daily entry of contract workers through biometric will be made available online to the contract awarding departments HR/Welfare.

II. Training:

1. Safety, first aid and firefighting training to be given to two responsible persons in each contract and they should take care of their groups on day to day working.
2. This shall be done within a period of 2 weeks after awarding of fresh contract.
3. For ongoing contracts, the contractors have to identify the persons to be trained within a period of 2 weeks.
4. Driving/operation of Crane/jumbo/Fork lift etc. are to be done only by authorized persons.

III. Dress Code:

1. Male employees should enter gates only with Safety shoes, Pants-Shirts, (Dothi, Lungi not permitted).
2. Female employees should enter gates only with Safety shoes. Loose dress must be avoided. (A shirt over saree /chudithar is a must).
3. Normal shoes are acceptable for office area work only.
4. Employees working in canteens can wear sandex.
5. Welfare will finalize and indicate a color coding to be provided in the dresses used by contract employees for uniformity and easy identification of the contract workers. Such colour shall be distinct from the colour of BHEL employees uniform.

IV. Procedures:

1. Smoking, audio-playing (mobile phone, iPod, inbuilt music systems etc. in the vehicles.) are banned within the factory premises.

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2. Moving to unrelated areas must be strictly avoided by the contract employees entering to the other areas only with knowledge of concerned department.
3. Procedure (SOP) given from user departments are to be adopted for all operations and maintenance – e.g. tank cleaning, FT plant maintenance, Sewage maintenance, Oxidation pond maintenance, operation of substation, transformer maintenance etc. User departments agreed to generate procedures incase if not available already (Snake catching, Monkey catching, Honey comb removal etc.).
4. Adequate precautions to be taken while waste removal like paint sludge removal, chromic sludge removal, phenol and tar removal by contract employees.
5. The contractor should clearly inform the hazards involved to the employees MSDS to be displayed.
6. The contract employees involved in tank cleaning, ET plant maintenance, Oxidation pond maintenance should know swimming and strict monitoring should be ensured.
7. Line clearance (LOTO) procedure to be followed during bulb changing, electrical substation maintenance, ay, maintenance, furnace instrumentation etc.
8. Work permits to be obtained for jobs like work at height, excavation, blasting, hot work, pipe line work, roof light maintenance, work at confined space like cellar.
9. Users agreed to initiate the permits for all the works mentioned in the table given below to safety Management for clearance.
10. Specified Speed limit 20 kmph to be followed by all the vehicles entered in factory premises.
11. Procedure given by user departments for spray painting, brush painting and dip painting should be followed. Paint sludge removal, empty tin removals etc. are to be periodically carried out and sent to disposal stores.

Work Permit Instructions: -

1	Work at height	Only experienced and qualified persons shall be allowed to carry out the work at height. Physically fit without any vertigo problem. Wear safety belt and use life line, Net etc.
2	Confined space work, cellars, furnace ducts	Oxygen level to be checked before work, proper breathing apparatus to be used. Only experienced people shall be allowed to carry out the work at cellars/ confined space.

Equipment's:

1. All the equipment used by the contractors are to be in good condition with all safety provisions and to be checked and certified by the department officials.
2. Electrical supply to be taken through the M&S department. Unauthorized connections taken any will be viewed seriously.
3. Welding machines are to be used with proper earth connection. Cables should be in good condition. Insulation to be checked regularly and maintained.
4. Qualified electricians are only to be used for giving connections.
5. Good quality Electrical equipment and tools are to be used with valid certificates. These certificates must be shown on demand.
6. For portable electrical equipment supply to be taken using plugs points.
7. Wires / cables extension box should be in good condition.
8. Proper earthing should be maintained.
9. Mobile Crane, Fork lift, Trailers; JCB etc. should be in good condition with specified capacity and should not cause any untoward incident while in use.
10. Fitness Certificate issued by competent person approved by Govt. authorities, insurance and emission certificate etc. should be in possession and should be shown on demand.

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V. Welfare:

1. The contractors are directed to generate PF number and ensure PF contribution remittance for all contract workmen engaged by them.
2. Bio-Metric Entry for Contract Workmen Contractors have been directed to cover all the contract workmen engaged by them through Bin-Metric Entry System.

VI. Violations:

The following will be treated as serious violations and appropriate actions are to be Initiated by the users:

1. Employing people whose age is below 18 years.
2. Not wearing safety shoes or normal shoes (Contract employees will not be permitted after the security gates).
3. Not wearing FTEs.
4. Working without proper work permit.
5. Possession of mobile phones other than taxi drivers.
6. Using mobile phones while driving.
7. Unauthorized electrical connections.
8. Driving/operation of Crane/jumbo/Fork lift etc. by unauthorized persons.
9. Unauthorized operation/driving of Lorries, mobile cranes etc.
10. Smoking, alcohol, audio-playing etc.
11. Moving to unconnected areas.

Any willful act that creates unsafe conditions.

It will be the responsibility of the Contractor to ensure that the contractor himself, labour engaged for the work, are required to possess valid necessary license for execution of work from statutory authorities, renewal of the same periodically, during the occurrence of the contract and scrupulously adhere to the prevailing safety regulations, safety precautions and measures. BHEL will not be responsible for the lapses, shortcomings arising out of such deviations and the contractor will be responsible for any such eventualities and liabilities if any.

41. Compensation Clause:

"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".

42. PF & ESI Clause:

- I. The Contractor shall be solely responsible to comply with the payment of applicable minimum wages, PF, ESI and other statutory payments in respect of his employees engaged in BHEL for carrying out the required services. In case of any default in making the statutory payment, the Contractor shall be

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responsible to settle the dues along with penalties and damages, if any levied by the appropriate authority under the Act. The contractor has to pay the previous months applicable ESI & PF amount in the respective employee account before 20th of every month.

- II. The Contractor shall indemnify BHEL against all claims and loss if any caused under various labour laws,
Civil or criminal law in connection with the employees deployed by him.
- III. The entry/exit of the employees engaged by the contractor are regulated through Security Department by issuing entry pass. For obtaining the same, the contractor should submit the required application form to the Security Department along with copy of Identity Card of the employee, ESI card / ESI Membership details of employee. ESI is exempted if wages are above Rs.21,000/- per month. Those employees drawing wages above Rs.21,000/- should produce copy of pay slip (or) a salary certificate from the company for availing ESI exemption.
- IV. In the event of Contractor engaging any labourer other than his permanent employee for the purpose of providing the required services to BHEL, the Contractor should obtain clearance from HR-Contract Cell by submitting copy of proof of payment of statutory payments i.e., applicable Minimum Wages notified by State Government from time to time along with PF, ESI, Wage and Attendance Register.

43. Final Bill:

As soon as possible after the completion of the work to the satisfaction of the Engineer-in-charge, the contractor shall forward a certified final account on BHEL form, in duplicate. It shall be accompanied by all abstracts, vouchers etc., in support thereof and shall be prepared in the manner prescribed by the Engineer-in-charge. No claims will be entertained after the receipt of the final bill. The Contractor shall be entitled to be paid the final sum less the value of payments already made on account subject to certification of the final bill by the Engineer-in-charge. Any sums due from the contractor on account of Tools & Plant, Stores or any other items provided by BHEL not yet recovered from the contractor shall be deducted from the final sum aforesaid. No charge shall be allowed to the Contractor on account of the preparation of the final bill.

44. Conflict of interest among Bidders/ Agents.

A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive to the detriment of procuring Entity's interest. **The bidder found to have a conflict of interest shall be disqualified.** A bidder may be considered to have a conflict of interest with one or more parties in this bidding process if:

- a) They have controlling partner(s) in common; or
- b) They receive or have received any direct or indirect subsidy/ financial stake from any of them; or
- c) They have the same legal representative / agent for purpose of this bid; or
- d) They have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; or
- e) Bidder participates in more than one bid in this bidding process. Participation by a bidder in more than one bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/ sub-assembly / assemblies from one bidding manufacturer in more than one bid; or
- f) In case of agent quoting in offshore procurements, on behalf of their principle manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorise only one agent / dealer. There can be only one bid from the following
 - 1. The principle manufacturer directly or through one Indian agent on his behalf; and
 - 2. Indian/foreign agent on behalf of only one principal;
- g) A bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the bid; or
- h) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/ management, only one nit should quote.

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Similar restrictions would apply to closely related sister companies. Bidder must proactively declare such sister/ common business / management units in same similar line of business.

45. INCIDENT MANAGEMENT POLICY ON GEM / GROUNDS FOR ADMINISTRATIVE ACTION:

As per GeM GTC

46. RESOLUTION OF DISPUTES BETWEEN CPSE & GOVERNMENT DEPARTMENTS:

In the event of any Disputes or difference relating to the interpretation and application of the provisions of commercial contract (s) between Central Public Sector Enterprises (CPSEs)/ Port Trusts inter se and also between CPSEs and Government departments/ Organizations (excluding disputes relating to railways, Income Tax, Customs and Excise departments). Such disputes or difference shall be taken up with by either party for its resolution through AMRCD as mentioned in DPE OM No: 05/0003/2019-FTS 10937 Dated 14th December 2022 and the decision of AMRCD on the said dispute will be binding on both the parties.

47. Bidders under suspension of Business at BHEL

The offers of the bidders who are under suspension as also the offers of the bidders, who engage the services of the firms debarred across BHEL, shall be rejected. The list of firms debarred across BHEL is available on BHEL web site www.bhel.com.

1.0 Integrity commitment, performance of the contract and punitive action thereof:

1.1. Commitment by BHEL:

BHEL commits to take all measures necessary to prevent corruption in connection with the tender process and execution of the contract. BHEL will during the tender process treat all Bidder(s) in a transparent and fair manner, and with equity.

1.2. Commitment by Bidder/ Supplier/ Contractor:

1.2.1. The bidder/ supplier/ contractor commit to take all measures to prevent corruption and will not directly or indirectly influence any decision or benefit which he is not legally entitled to nor will act or omit in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India.

1.2.2. The bidder/ supplier/ contractor will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract and shall adhere to relevant guidelines issued from time to time by Govt. of India/ BHEL.

1.2.3. The bidder/ supplier/ contractor will perform/ execute the contract as per the contract terms & conditions and will not default without any reasonable cause, which causes loss of business/ money/ reputation, to BHEL.

If any bidder/ supplier/ contractor during pre-tendering/ tendering/ post tendering/ award/ execution/ post-execution stage indulges in malpractices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India, then, action may be taken against such bidder/ supplier/ contractor as per extant guidelines of the company available on www.bhel.com and/or under applicable legal provisions"

If Tenderer expires after the submission of his Tender or after the acceptance of his Tender the BHEL may, at their discretion, cancels such tender. If a partner of a firm expires after submission of Tender or after the acceptance of the Tender, BHEL may cancel such Tender at their discretion unless the firm retain its character. The works executed in the own name of the Tenderer only will be considered for eligibility criteria.

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ANNEXURE-A1

No deviation and Declaration to be given by vendor in vendor's letter head

Name of work:.....

Enquiry no.....

We, the vendor, do hereby declare that we do not have any deviations to the tender terms and conditions as per

1. Technical Bid-Qualifying Criteria-Price bid
2. Scope of Work & Special/Technical Terms and Conditions
3. General terms & Conditions of Contract

We have gone through all the tender terms and conditions; we have noted down the job content & site conditions. We have quoted our offer for all items by taking care of unit of measurement given in the Bill of quantities against individual items. In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void. We assure that no tampering was done to any part of tender document by us and if otherwise will lead to rejection of our bid. We confirm to have submitted our offer strictly in accordance with tender instructions.

We also 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) 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 quoted amount 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 any advance/ loan / 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. In case we fail to pay the minimum wages to all the persons engaged in the contract which includes Minimum 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.
8. We also confirm to all the Terms & Conditions as per your above referred Enquiry & as per our offer submitted against the same.
9. 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.
10. We will obtain and submit Labour License (As applicable) within 30 days from award of work.
11. 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).

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ANNEXURE-A2

EMD PAYMENT VIDE 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 for every transaction. This may vary according to the MODE selected.

STEP BY STEP PROCEDURE:

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

1. Select State Bank Collect available on the top (pre login page)
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:
 - a. 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.
 - b. 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.
1. In the next page, take print out of receipt.

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ANNEXURE-A3

The tender must be signed digitally / physically by Proprietor/ Managing Partner/ Director of the Firm. If any other person is authorized to sign the tender, this copy of Power of Attorney must accompany the tender.

POWER OF ATTORNEY

(To be typed on company's letter head)

I/We do hereby make, nominate, constitute and appoint Mr, whose signature given below herewith to be true and lawful Attorney of M/s hereinafter called 'Company', for submitting Tender and inter alia, sign, execute all papers and to do necessary lawful acts on behalf of our Company with M/s Bharat Heavy Electricals Ltd, HPBP, TRICHY-620 014, in connection with (Name of work)

.....
vide Tender Enq No: _____, dated _____. And the Company do hereby agree to ratify and confirm all acts, deeds, things or proceedings as may be lawfully done by the said attorney and by or on behalf of the company and in the name of the company, by virtue of the powers conferred herein and the same shall be binding on the company and shall have full force and effect.

Director/CMD/Partner/Proprietor

Signature of Mr.....(Attorney)

Attested by: Director/CMD/Partner/Proprietor

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ANNEXURE-A4

PROFORMA OF BANK GUARANTEE

(in lieu of EARNEST MONEY)

(On non-Judicial stamp paper of appropriate value, should be valid for a period of at least six months from the date of tender opening)

Bank Guarantee No.....

Date.....

To

Bharat Heavy Electricals Limited
High Pressure Boiler Plant, Tiruchirappalli – 620014

Dear Sirs,

In accordance with the terms and conditions of Invitation for Bids/Notice Inviting Tender, Enquiry No..... (Tender Reference) M/s.....(vendor name) having its registered office at (hereinafter referred to as the 'Tenderer'), is submitting its bid for the work of (Name of work) invited by Bharat Heavy Electricals Limited through its Unit, High Pressure Boiler Plant, at Tiruchirappalli – 620014

The Tender Conditions provide that the Tenderer shall pay a sum of Rs (BG Amount in words and Figures) as Earnest Money Deposit in the form therein mentioned. The form of payment of Earnest Money Deposit includes Bank Guarantee executed by a Scheduled Bank.

In lieu of the stipulations contained in the aforesaid Tender Conditions that an irrevocable and unconditional Bank Guarantee against Earnest Money Deposit for an amount of. (BG Amount in words and Figures) is required to be submitted by the Tenderer as a condition precedent for participation in the said Tender and the Tenderer having approached us for giving the said Guarantee, We, the[Name & address of the Bank] having our Registered Office at(hereinafter referred to as the Bank) being the Guarantor under this Guarantee, hereby irrevocably and unconditionally undertake to forthwith and immediately pay to the Employer without any demur, merely on your first demand any sum or sums of(BG Amount in words and Figures) without any reservation, protest, and recourse and without the beneficiary needing to prove or demonstrate reasons for its such demand.

Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs..... (BG Amount in words and Figures)

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

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

We, Bank, further agree that the Employer shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Tender or to extend the time of submission of from time to time or to postpone for any time or from time to time any of the powers exercisable by the Employer against the said -renderer and we shall not be relieved from our liability by reason of any such variation, or extension being granted to

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the said -renderer or for any forbearance, act or omission on the part of the Employer or any indulgence by the Employer to the said Tenderer or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

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

This Guarantee shall be irrevocable and shall remain in force up to and including..... (Six months from the date of tender opening) and shall be extended from time to time for such period as may be desired by the Employer.

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the Tenderer but shall in all respects and for all purposes be binding and operative until payment of all money payable to the Employer in terms hereof. However, unless a demand or claim under this Guarantee is made on us in writing on or before the (Six months from the date of tender opening) we shall be discharged from all liabilities under this Guarantee.

Any claim or dispute arising under the terms of this document shall only be enforced or settled in the Courts at Tiruchirappalli.

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

Notwithstanding anything to the contrary contained hereinabove:

- a) The liability of the Bank under this Guarantee shall not exceed..... (BG Amount in words and Figures)
- b) This Guarantee shall be valid up to.(Six months from the date of tender opening)
- c) Unless the Bank is served a written claim or demand on or before (Six months from the date of tender opening) all rights under this guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under this guarantee irrespective of whether or not the original bank guarantee is returned to the Bank

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

For and on behalf of
(Name of the Bank)

Date.....

Place of issue.....

1. Details of the Invitation to Bid/Notice Inviting Tender
2. Name and Address of the Tenderer
3. Details of the Work
4. Name of the Employer
5. BG Amount in words and Figures
6. Validity Date
7. 7Date of Expiry of Claim Period

Note:

The BG should be on Non-Judicial Stamp paper/e-stamp paper of appropriate value as per Stamp Act prevailing in the State(s) where the BG is submitted or is to be acted upon or the rate prevailing in the State where the BG was executed, whichever is higher. The Stamp Paper/e-stamp paper shall be purchased in the name of Vendor/Contractor/Supplier /Bank issuing the guarantee

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ANNEXURE-A5

Illustration for arriving the rates for individual items of BOQ by BHEL for the total amount quoted by the vendor

Contractor shall only quote the total amount for the work and not the individual rates for every item of BOQ. The amount quoted shall include all taxes except Goods & service tax. Applicable Goods & service tax would be paid extra.

The rates for the individual items of BOQ would be arrived by BHEL as follows: -

In this illustration, assume there are two (2) items in the BOQ and the respective quantity and Percentage allocation is specified as below.

Item	Quantity	Unit	% allocated
(1)	500	Each	60%
(2)	400	Each	40%

If the total amount quoted by a vendor is 1,00,000/- (One lakh) for the entire package,

Then,

Rate per unit for Item (1) would be arrived as = $(₹1,00,000 \times 60\%) / 500 = ₹120.00/-$

In the same manner, the rate per unit, for item (2) would be arrived as follows,

Rate per unit for Item 2= $(1,00,000 \times 40\%) / 400 = ₹100.00/-$

The rates will be rounded off to nearest two decimal places only, so as to match the total amount or closest to the total amount, quoted by the vendor. Rates so arrived by BHEL shall be final and binding on the contractor.

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PART-II (PRICE BID)
(BILL OF QUANTITIES)

(No value/rate shall be quoted here. Quote based on this BOQ should be given only in GeM portal portal)

SL NO	Description of work	UOM	QTY	% Allocation	Total Value Inclusive GST
A	<u>Operation and Maintenance</u> Operation and Maintenance of 19 Nos of industrial RO Plants (13 Nos of 500 LPH Capacity & 6 Nos of 250 LPH Capacity), 100 Nos of Domestic RO Plants installed at Various Locations in BHEL Trichy Factory Complex as per detailed scope of work.	MONTHS	15	35.36%	BIDDER SHOULD QUOTE ONLY LUMP SUM AMOUNT (including GST) FOR FULL TENTATIVE QUANTITY
B	<u>Supply of Spares:</u> Supply of required spares at site of work in BHEL Trichy for 19 Nos of Industrial RO Units. Rate quoted shall include loading, transportation, unloading at site of work, all taxes, duties and any other incidental charges etc., complete. The replacement and re fixing of defective spare parts is part of operation and maintenance contract (item No 1) and no separate payment will be paid. Only cost of spare parts found defective and actually replaced will be paid:				
1	Multi Port Valve	EA	2	0.25%	
2	Micron Filter Catridge - 5 Micron, Wound Type, 20 " Long, 2.5 Inch Dia	EA	1,600	13.38%	
3	Filter Housing - 20 " long, 2.5" dia with 3/4 " dia inlet & outlet – PP Housing	EA	2	0.15%	
4	Pressure Switch (Low Pressure / High Pressure)	EA	1	0.04%	
5	Roto Meter - 1/2 " inlet & outlet with 600-1200 LPH rating , Acrylic	EA	1	0.16%	
6	2.5 " dia, Glycerin filled , Panel Mount fitting type , SS Pressure Gauge (0- 25 Kg/SQCM)	EA	1	0.06%	
7	Control Panel With Conductive Meter mountable on RO skid, powder coated	EA	2	0.59%	
8	4" dia , 40" long spiral wound RO membrane - FRP	EA	20	7.51%	
9	PP Membrane housing for 4" dia , 40" long membrane	EA	2	0.50%	
10	Dosing Pump - Electronic Dosing Pump with 6 LPH capacity at 4 KG /SQCM operating Pressure	EA	2	0.71%	
11	Anti Scalant Chemical	KG	150	1.13%	
12	High Pressure Pump	EA	2	6.51%	
13	Raw Water Pump - Centrifugal Regenerating Pump - 1 M3 / Hr	EA	2	1.84%	

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	Capacity. Material of Construction - Wetted parts in Stainless Steel SS 304.				
14	Filtering Sand (8-16 mm)	KG	200	0.15%	
15	Coarse Silex (16-20 mm)	KG	200	0.15%	
16	Pressure Vessel - 13 x 54 with top & bottom Strainer	EA	2	0.80%	
17	Pressure Gauge - 0-7 kg/sqcm,50 mm dial, bottom mounted	EA	1	0.02%	
18	Fine Silex	KG	200	0.15%	
19	Activated Carbon IV 900	KG	200	0.97%	
20	UV Lamp - 15 Watts	EA	1	0.10%	
21	Pebbles 1 x 3/4 "	KG	200	0.15%	
22	Pebbles 3/4 " x 1/2"	KG	200	0.15%	
23	Low PH RO Membrane Cleaning Chemical - Polymer Based Acid	KG	25	0.19%	
24	High PH RO Membrane Cleaning Chemical - Polymer Based Alkali	KG	25	0.19%	
C	<u>Supply of Spares:</u> Domestic RO units Supply of required spares at site of work in BHEL Trichy for 100 numbers of Domestic RO Units, pre filter for Geysers & pre filters for Water Coolers. Rate quoted shall include loading, transportation, unloading at site of work, all taxes, duties and any other incidental charges etc., complete. The replacement and re fixing of defective spare parts is part of operation and maintenance contract:				
1	2.5" x 10" Pre Filter Housing with 15 NB Inlet and Outlet Connections for Geyser	NO	2	0.04%	
2	2.5" x 20" Pre Filter Housing with 15 NB Inlet and Outlet Connections for Water Cooler	NO	2	0.09%	
3	1/2 " Inlet PVC Ball Valve for Geyser Filter / Cooler Filter	NO	3	0.02%	
4	1/2" PP Hose with Connectors for Geyser Filter / Cooler Filter	SET	10	0.09%	
5	L Clamp for Filter Mounting	NO	5	0.09%	
6	1/2" Inlet T Joint with 3/8" Reducer Valve in Stainless steel	NO	50	0.74%	
7	2.5" x 10" Pre Filter Housing with 15 NB Inlet and Outlet Connections for RO External Pre Filter with PP Mounting Clamp	NO	15	0.29%	
8	2.5" x 10" ht 10 Micron Cartridge Filter Spun Type for Both RO & Geyser Filter	NO	750	6.66%	
9	Inline Activated Carbon Filter	NO	50	0.56%	
10	Inline Sediment Filter	NO	50	0.56%	
11	Smart protector	NO	2	0.05%	
12	Low Pressure Switch	NO	2	0.02%	
13	Solenoid Valve 24/36 V DC	NO	75	1.45%	
14	SMPS 24/36 V DC	NO	75	3.05%	
15	75 GPD Booster Pump 24/36V DC	NO	75	8.75%	

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16	Membrane Housing	NO	25	0.33%	
17	18" x 12" RO Membrane	NO	75	3.34%	
18	Flow Restrictor	NO	50	0.37%	
19	Anti Oxidant Alkaline Filter	NO	2	0.15%	
20	3/8" PP tube for interconnection	M	100	0.10%	
21	1/4" PP tube for interconnection	M	150	0.19%	
22	Pure water PP Tap	NO	50	0.15%	
23	Set of Push Fittings connectors in 3/4" & 1/4"	NO	300	0.67%	
24	Float Switch	NO	100	0.88%	
25	Commercial grade High Purity Citric Acid for membrane cleaning	KG	20	0.15%	

Note: Do not write any amount/ values here.) Quote should be given only online in price bid xl-format).

GRAND TOTAL i.e. Total lumpsum value for the work, for each item based on this BOQ, given for the total contract duration of **15 months**, including all the taxes (inclusive of applicable Goods & Service Tax, should be given only online in xl-format, in **GeM** portal.

Refer **Annexure-A5**, illustration for rates to be arrived by BHEL.

Note:

1. Total lumpsum amount quoted by vendor online, is for all the items in BOQ, for the quantity indicated, for the total contract duration as per tender.
2. The amount should be quoted inclusive of all taxes and duties levied or to be levied both by Central and State Government authorities from time to time, with inclusive of applicable GST. Goods & Service Tax (GST) will be paid extra on production of documentary evidence.
3. The contractor shall quote only the lowest possible amount that can be offered for the intended quantity. Rate for individual items of BOQ will then be arrived by BHEL, as per Annexure-A5 in Technical bid. Quotation should be valid for a period of 120 days from the date of Technical bid opening.
4. In the course of evaluation, if more than one bidder happens to occupy L-1 status, effective L-1 will be decided by soliciting discounts from the respective L-1 bidders. In case more than one bidder happens to occupy the L-1 status even after soliciting discounts, the L-1 bidder shall be decided by a toss/draw of lots, in the presence of the respective L-1 bidder(s) or their representatives. (Ranking will be done accordingly. BHEL's decision in such situations shall be final and binding.
5. The amount quoted shall remain firm and valid during the entire period of contract (including extended period if any) and no extra payment will be reimbursed to the contractor by BHEL.
6. The tenderer by participating in this tender, hereby confirms they had read and accepted all the Terms and Conditions in Tender Schedule, also amount quoted with inclusive of any taxes and duties levied except Goods & Service Tax (GST) etc. has been considered by the tenderer for the total contract period.
7. No other pre conditions along with your offer will be entertained by BHEL.
8. The contractor while quoting shall take care of units specified against every item in bill of quantities.
9. Evaluation of the offer shall be done on "Net Cash outflow to BHEL after taking into account applicable Taxes and Duties" and overall (package) L1 basis. The L1 position based on the quoted values (subject to calculations) including applicable Goods & Services tax (GST), will not necessarily mean L1 for a vendor, but the net liability to BHEL, after considering the Goods & Services tax (GST) criteria for all the vendors who had participated in the tender. In case of exemption from the payment of Goods & Services tax (GST), the vendor has to submit a declaration along with the tender. For such exempted vendor, Vendor cannot claim GST from BHEL, during the execution of the contract (if awarded) even if their status under GST changes to regular taxpayer.

TECHNICAL BID FORM (PART-I)

Ref.: Enquiry No.: 9472300032/ 20.05.2023

GeM Bid No.: GEM/2023/B/3457254

NAME OF WORK: Operation and Maintenance of RO Plants (19 Nos) and Annual Maintenance for domestic Type RO Units, Pre filters for Geysers, Pre filters for Water Coolers installed at Various buildings in BHEL Factory Complex ,Trichy-14

Note: All relevant details should be filled by bidder and the same documents to be uploaded in GeM portal. Ref tender document for details.

Sl. No.	DESCRIPTION	RESPONSE	ATTACHMENT IN ONLINE PORTAL	APPLICABILITY
1	Name of the Enterprise/ Company/ Firm			
2	BHEL VENDOR CODE (IF ANY)			
3	Address of the Firm/ Company			
4	Landline/Mobile number(s)			
5	E-mail Address			
6	CONTACT PHONE			
7	Name, Designation and Contact details of person signing the Tender (In case of authorized signatory, the copy of Power of Attorney (POA) should be uploaded as per Tender document)		ATTACH	IF APPLICABLE
8	Qualifying Criteria:			
A	Proof of Status of Enterprise/ Company/ Firm : - AS APPLICABLE: ●Proprietorship:- PAN/GST registration ●Partnership:- Registered Partnership Deed, PAN Copy of the firm. Also, PAN copy of all partners be furnished), ●Pvt Ltd./Public Ltd./Public sector/Govt Orgn.:- Certificate of Registration/Memorandum of Association & Articles of Association)] (Copy to be uploaded in GeM portal)		MANDATORY	
B	Earnest Money Deposit (EMD) : ₹47,500 /- (Rupees forty seven thousand five hundred only) (Offer without EMD will be Rejected) (EMD is not waived off for the MSE Bidders).		MANDATORY	

TECHNICAL BID FORM (PART-I)

Ref.: Enquiry No.: 9472300032/ 20.05.2023

GeM Bid No.: GEM/2023/B/3457254

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Note: All relevant details should be filled by bidder and the same documents to be uploaded in GeM portal. Ref tender document for details.

Sl. No.	DESCRIPTION	RESPONSE	ATTACHMENT IN ONLINE PORTAL	APPLICABILITY
C.	FINANCIAL SOUNDNESS: Income tax return acknowledgement (ITR), Balance sheet and Profit & Loss statement certified by Chartered accountant (with Membership No.) should be submitted with Average annual financial turnover of ₹7.00 Lakhs , during any 3 consecutive financial years of FY 2017-18, 2018-19, 2019-20, 2020-21 and 2021-22. Or Auditor's certificate (with CA membership no. / UDIN) for consolidated minimum average annual turnover (as given above) should be enclosed.		MANDATORY	
D	PROOF OF EXPERIENCE: Similar work experience certificates shall be submitted as per Tender document maximum 3 works. (Copy to be uploaded in GeM portal)		MANDATORY	
E	Income Tax Registration (PAN NUMBER) (Copy to be uploaded in GeM portal)		MANDATORY	
F	GST Regn. No. (Copies to be uploaded in GeM portal) % OF GST APPLICABLE TO THE VENDOR FOR THIS WORK (In case of GST exempted vendor they can put NIL)	_____ %	MANDATORY	TO BE FILLED
G	Acceptance to Scope of work and General Terms and conditions of Contract. (Digitally/ Physically Signed copy of Tender document to be uploaded in GeM portal)		MANDATORY	
H	No deviation & Declaration certificate (Copy to be uploaded in GeM portal as per Annexure-A1 on bidder letter head only)		MANDATORY	
9	ESI Registration if available (Copy of ESI Registration to be uploaded)		ATTACH	IF AVAILABLE
10	PF Registration No. (if any)		ATTACH	IF AVAILABLE
11	Labour License Registration No. (If any)		ATTACH	IF AVAILABLE
12	NEFT BANK FORMAT (If applicable)		ATTACH	IF APPLICABLE
13	In case of bid submitted by partnership firm, PAN of all partners to be uploaded. (Copy to be uploaded in GeM portal)		ATTACH	IF APPLICABLE

TECHNICAL BID FORM (PART-I)

Ref.: Enquiry No.: 9472300032/ 20.05.2023

GeM Bid No.: GEM/2023/B/3457254

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Note: All relevant details should be filled by bidder and the same documents to be uploaded in GeM portal. Ref tender document for details.

Sl. No.	DESCRIPTION	RESPONSE	ATTACHMENT IN ONLINE PORTAL	APPLICABILITY
14	DISCLAIMER CLAUSE: Neither the Organization (Bharat Heavy Electricals Ltd.) nor the service provider (M/s. GeM.) is responsible for any failure of submission of bids due to failure of internet or other connectivity problems or reasons thereof. (To be agreed by bidder)		Bidder to Agreed	
15	Offer should be submitted as TWO part bids (Techno-commercial bid + Price bid) in the GeM portal. Sufficient notice would be given by BHEL for corrigendum / extensions and it will be published in following websites, https://gem.gov.in/ , http://bhel.com , http://eprocure.gov.in After the scrutiny of techno-commercial bids, the price bids of only techno-commercially qualified offers will be opened with prior intimation. (To be agreed by bidder)		Bidder to Agreed	
16	Declaration for website downloaded and non-tampering of tender document: I/We hereby declare that I/We have downloaded the Tender Document from the website https://eprocurebhel.co.in and I/We have not tampered the tender document. In case at any stage, if it is found that the information given above is false or incorrect, BHEL shall have the absolute right to take any action as deemed fit without any prior intimation. (To be agreed by bidder)		Bidder to Agreed	
17	I / We 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. (To be agreed by bidder)		Bidder to Agreed	