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भारत हेवी इलेक्ट्रिकल्स लिमिटेड Bharat Heavy Electricals Limited

(A Government of India Enterprise)
Tiruchirappalli – 620 014

WORKS CONTRACTS MANAGEMENT

NOTICE INVITING e-TENDER

Dear Sir/ Ma'am,

Ref : **Tender No. 9472100023 dt.25.02.2021**

Subject : Two-part **e-Tender** inviting techno-commercial and price bids for **SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23**

Kindly submit your competitive offer for the above subject work as per the tender terms and conditions given in the tender document through eprocurebhel.co.in portal <https://eprocurebhel.co.in> only.

1.	Scope of work	Scope of work and technical terms and conditions as per Techno-Commercial Part-I bid.
2.	Location of work	BHEL Trichy
3.	Period of contract	24 months from date of Award of work at BHEL, Trichy.
4.	Last date/ time for receipt of tender	10.00 Hrs on dt. 09.03.2021
5.	Date/ time of opening of Techno-commercial bids	15.00 Hrs on dt. 09.03.2021 Change in opening date, if any, will be intimated later.
6.	Date of price bid opening	The date/ time of price bid opening will be intimated to the techno-commercial qualified tenderer separately.
7.	Total EMD amount	₹ 1,09,000 (One Lakh nine thousand rupees only)
8.	Contact details for queries related to tender	Sathese M, Dy.Manager/ WCM; 0431 257 5438; e-mail: msathese@bhel.in Balamurugan M, Manager/ WCM; 0431 257 6757; e-mail: mbn@bhel.in
9.	Working Area Contact details	R.Arul Prabhu, DGM/NDTL. e-mail : arul@bhel.in / Ph: 0431 257 5590

Authorized Digital Signature



SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

This two-part e-tender consists of the following:

Part – I (A) :: Pre-qualification Bid

1. Earnest Money Deposit (EMD)

Part – I (B) :: Techno-Commercial Bid

2. Qualifying criteria for the contract
3. Scope of work and technical terms & conditions
4. General terms & conditions of the contract
5. Annexures (I, II, III)

Part – II :: Price Bid (Vendor to quote the price in eprocurebhel.co.in portal as per reference price bid format enclosed as Annexure-IV)

Special Instructions to the bidders:

- EMD should be submitted as per Part-I(A)/Prequalification Bid/EMD (including EMD waiver, if any). Techno-commercial bid will be considered only, if the Part-I(A)/Prequalification Bid/EMD is valid. EMD in any other form and tender without EMD will be summarily rejected.
- In case of offline payments, the hardcopies of Earnest Money Deposit (EMD) document/ DD submitted to WCM/BHEL and the soft-copies uploaded at the time of online bid submission should be the same, otherwise the tender will be summarily rejected.
- Bidder should arrange for the EMD as specified in the tender. The original should be posted/couriered/given in person in a sealed cover super scribing 'Tender number/date/Part-I(A)/EMD' to the Tender Inviting Authority, within the bid submission date and time for the tender.
- Any deviation to this tender terms & conditions, and schedules of this tender will lead to total rejection of the offer submitted.
- Tenderer who have been suspended or black listed or issued with "Show Cause Notice" by BHEL, Tiruchirappalli -620014 or any other unit or GOI will not be allowed to participate in the tender, and bidder should declare the same in the tender. Even during the course of evaluation/ finalization of tender if it is found that some of the parties are black listed/ barred from business transaction/ under business hold, BHEL will not consider them for further participation in the tender.
- Should a tenderer find discrepancies or omissions in the tender documents, or should there be any doubt as to their meaning, he should at once address the authority inviting the tender, for clarification well before the due date, so as to submit his tender in time. No extension of time shall be given for submission of the tender on any account.
- Rates should be quoted as per the Work / Rate schedule (Price bid/Part –II). Rates quoted in any other form will not be accepted, and will be rejected.
- The tender must be signed separately and legibly 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.
- If a tenderer deliberately gives wrong information in his tender or creates conditions favourable for the acceptance of his tender, the BHEL will reject such tender at any stage.
- Words imparting singular number shall be deemed to include plural number and vice-versa where the context so requires.
- 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.
- 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.



Tender No.: 9472100023

February 25, 2021

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

- The tender schedule, and the tender shall be deemed to form an integral part of the contract to be entered into for this work.
- Tenderer shall sign the tender documents for having accepted the conditions and upload in eprocurebhel.co.in portal.
- Tender can be cancelled at any stage due to unavoidable circumstances.
- 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.
- Bidder are advised not to wait till the last minutes or last few seconds w.r.t tender closing time to submit their offer to avoid complications related with internet connectivity / network problem/ power failure etc.
- Bidders are advised take due care while quoting the technical and price bids forms in the eprocurebhel.co.in system. Bidders, those who tampers with tendering procedure affecting ordering process **or** misusing the technical information of the tender document **or** withdrawing their offer after price bid opening, will be penalized as per BHEL guidelines on suspension of business dealings with suppliers/ contractors. Abridged version of the guideline is available in www.bhel.com.
- It is advised that all the documents to be submitted are kept scanned or converted to PDF format in a separate folder on your computer before starting online submission.
- The bidder has to upload the scanned copy of all the mentioned original documents (in colour) during online bid-submission.
- In case you are not in a position to submit the offer, please send letter suitably specifying the reasons thereof.

Thanking you,

For **Bharat Heavy Electricals Limited**

M Sathese

Dy. Manager / Works Contracts Management,

3rd floor, 24 Building,

B.H.E.L., Tiruchirappalli – 620 014, Tamilnadu.

Phone: 0431-2575438,

Email: msathese@bhel.in

PART – I (A)

PRE-QUALIFICATION / EMD

1 EARNEST MONEY DEPOSIT (EMD)**1.1 EMD AMOUNT:** Refer page 1 of this tender document

1.1.1 EMD given by all unsuccessful tenderers will be refunded after award of contract.

1.1.2 EMD shall not carry any interest.

1.1.3 EMD of successful tenderer will be retained as part of Security Deposit.

1.2 EMD WAIVER DOCUMENTS (Documents shall be notarized/ attested by gazetted officer)

1.2.1 EMD is waived off for MSE (Micro and Small Enterprises only) vendor by submitting UAM along with CA Certificate (as per Annexure-II of this tender document) issued for latest financial year ending on 31st March 2019 (FY 2018-19) or later. (or) Udyam Registration certificate (notarized/ attested by gazetted officer) or Medium Enterprises, graduated from its original category (Micro/Small) within the period of 3 years from the date of graduation by additionally submitting CA Certificate FY 2018-19. (or)

1.2.2 EM-II with deemed validity of five years from the date of issue of EM-II as on date of technical bid opening. (or)

1.2.3 EM-II along with latest CA certificate (as per Annexure-II of this tender document) issued for latest financial year ending on 31st March 2019 or later where deemed validity of five years is expired. (or)

1.2.4 Valid NSIC registration certificate as on date of technical bid opening. (or)

1.2.5 Valid Registration to any other body as specified by ministry of MSME, GOI (**Like UDYAM**).

1.3 MODES OF DEPOSIT OF EMD AMOUNT:

The EMD may be accepted only in the following forms:

1.3.1 Electronic Fund Transfer credited in BHEL account (before tender opening) - Online Payment procedure for EMD and SD amount attached (Annexure – I) for vendors' reference.

1.3.2 Demand draft, in favour of BHEL, Trichy-14 payable at Trichy (along with offer).

1.3.3 Fixed Deposit Receipt (FDR) issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL)

1.3.4 In addition to above, the EMD amount in excess of ₹2 lakhs (TWO LAKHS) will also be accepted in form of Bank Guarantee from scheduled bank, provided the Bank Guarantee is valid for at least six months from the due date of tender submission. For instance, if EMD amount is ₹2,50,000/-, BG can be submitted for ₹50,000/- and rest ₹2,00,000/- to be submitted through other modes mentioned above.

1.4 FORFEITURE OF EMD:

EMD by the tenderer will be forfeited along with applicable GST as per tender documents if:

1.4.1 After opening the tender and within the offer validity period, the tenderer revokes his tender or makes any modification in his tender which is not acceptable to BHEL.

1.4.2 The Contractor fails to deposit the required Security deposit or commence the work within 15 days of LOI/ WO/ Contract.

1.4.3 EMD by the tenderer shall be withheld in case any action on the tenderer is envisaged under the provisions of extant "Guidelines on Suspension of business dealings with suppliers/ contractors" and forfeited/ released based on the action as determined under these guidelines. Abridged version of the guideline is available in www.bhel.com.

PART – I (B)
TECHNO-COMMERCIAL BID
2 QUALIFYING CRITERIA FOR THE CONTRACT

S. No	CATEGORY	DETAILS
2.1	EARNEST MONEY DEPOSIT (EMD) EMD AMOUNT: Refer page 1 of this tender document	Refer Part-I (A)
2.2	<u>STATUS OF THE COMPANY</u> o Proprietorship: PAN card on owner name o For partnership firms: PAN card <u>and</u> PARTNERSHIP DEED o For others: PAN card in the name of company / firm / business <u>and</u> CERTIFICATE OF INCORPORATION / MOA <u>and</u> AOA.	Copy to be uploaded in eprocurebhel.co.in portal mandatory document.
2.3	GST Registration Certificate (If applicable)	Copy to be uploaded in eprocurebhel.co.in portal
2.4	PROOF OF EXPERIENCE: Experience of execution of minimum two SGs Pre Service Inspection stage of Eddy current testing (ID Bobbin coil) for 'U' tubes for NPCIL 700 MWe nuclear steam generator after 31st March 2014. (Experience proof from BHEL shall contain work order copies and experience proof from other than BHEL shall contain work order / agreement copies along with Form 26AS / TDS certificate / bank statement for payment from the organisation for the work executed to be enclosed.)	copy to be uploaded in eprocurebhel.co.in portal as mandatory document.
2.5	FINANCIAL SOUNDNESS: Average Annual financial turnover for any of the three consecutive years during the last five financial years, should be at least ₹ 16.5 Lakhs Documents to Prove Financial Soundness of the Firm (in any of the following manner given below) for any three consecutive Financial years out of five years i.e. 2014-15, 2015-16, 2016-17, 2017-18 & 2018-19 (Assessment Year 2015-16, 2016-17, 2017-18, 2018-19 & 2019-20). a.) Self-attested copy of Income Tax Submission Acknowledgment (for Assessment Years) AND b.) Self-attested copy of Audited Profit & Loss account and Balance Sheet indicating CA membership number to be submitted along with offer (for Financial Years)	copy of the same to be uploaded in eprocurebhel.co.in portal as mandatory document.
2.6	No Deviation Declaration	To be agreed in e-procurebhel.co.in portal

Note:

- At any stage, BHEL may ask for original documents and contractor has to submit the same.
- If at any stage, the document(s) submitted by contractor is/are found incorrect/ false/ manipulated, the necessary action will be taken by BHEL against contractor and business dealing with BHEL may be suspended.

3. SCOPE OF WORK AND TECHNICAL TERMS & CONDITIONS

BILL OF QUANTITY

SN	Description	Qty. (Nos) Tentative	% allocation on quoted lump sum value
10	Raw material Straight/U-Tubes by ECT Bobbin Probe	9000	49.54
20	PST ECT by Bobbin Probe	7500	41.29
30	ECT by Encircling probe	500	3.67
40	ID Inspection by UT by IRIS Probe	500	5.50
			100.000%

i. **Illustration of rate allocation (sample only):** Assume that there are two items in BOQ. The respective quantity and percentage allocation is specified as given below:

Item	Quantity	% Allocation
10	12,130	97.51 %
20	302	2.49 %

Suppose if the amount quoted by the bidder is ₹10,00,000 /- for the entire package for the quantity given in the above table, the amount allocated for item 10 would be 97.51 % x ₹10,00,000 = ₹9,75,100 /- and the rate for the item 10 would be ₹9,75,100 / 12,130 (Qty.) = ₹80.38 /-.

Similarly, the rate for item 20 would be 2.49 % x ₹10,00,000 = ₹24,900/- and the rate for the item 20 would be ₹24,900 / 302 (Qty.) = ₹82.45 /-.

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 bidder. **Rates so arrived by BHEL will be final and binding on the contractor.**

SCOPE OF WORK

1. General:

ECT of Raw Material tubes-Incoloy 800/Post manufacturing cum Pre-Service Eddy Current Testing (ECT) is to be done on Incoloy – 800 'U'- tubes in 700 MW Steam Generator which is being manufactured by BHEL, Trichy for NPCIL's Atomic Power Projects.

References:

For ID ECT: NPCIL specification for Bobbin type ECT as per PP-P-1963 Revision 02, dated January 2013 and titled as 'Procedure for Eddy Current Testing of Steam Generators' issued by NPCIL shall be followed for this proposed work of eddy current testing of straight/U tubes in the 700MW SG

The generation of working procedural document and technique sheets, if any in line with PP-P-1963 and further obtaining their due approval from NPCIL shall be undertaken by the contractor after obtaining the order and this activity shall be completed much ahead of the stage of commencement of physical work execution. If there are any periodic changes and revisions made to PP-P-1963 by NPCIL during the contract execution period, such changes shall be accommodated by the contractor without any price or time implication and all the relevant contractor made procedures and technique sheets shall have to undergo applicable revisions immediately. Contractor's ECT-Level III shall have to perform all the works related to generation of working procedures and technique sheets and obtaining approval from NPCIL.

For OD ECT: For Encircling type ECT, procedure shall be as per NB 2554 of ASME Sec III NB, ASTM E571 and relevant article of ASME Sec V except that in the reference standard, 2 nos. through hole 0.8 mm & 1.3 mm in diameter shall be used in lieu of 1.5mm diameter hole stated therein. A fill factor of minimum 80% shall be ensured. The above requirement shall comply with NPCIL specification PC-M-962 Rev 01.

For UT IRIS: Inspection of ID by IRIS UT probes need to be performed with a written procedure and the same has to be submitted to BHEL/NPCIL for review and acceptance before the test.

Vendor shall submit procedure (covering calibration methods/report formats) for carrying out ECT from OD side & UT IRIS meeting above specification/code requirements prior to start of test.

Dimensions:

For loose straight/ U Tubes at raw material Stage:

Each tube has an OD $19+0.12/-0.03$ mm, thickness $1.1\text{mm}+/-10\%$, and approximate developed length of 25000 mm (on an average), including the straight as well as curved/ bend portions. The eddy current testing shall be carried out in loose condition of 'U' tubes arranged over a wooden platform. A fill factor of minimum 80% shall be ensured.

For U Tubes at PSI Stage:

Each tube has an OD $19+0.12/-0.03$ mm, thickness $1.1\text{mm}+/-10\%$, and approximate developed length of 25000 mm (on an average), including the straight as well as curved/ bend portions. The eddy current testing shall be carried out in the assembled condition of 'U' tubes inside the SG. Assembled condition means, both ends of the tubes are welded to tube sheet and then further mechanically expanded with the tube sheet. Because of this, minimum to maximum dimensions at ECT probe entry point would be - Inner diameter: Minimum 16.50mm to maximum 17.20mm (at weld end), Minimum 16.50mm to maximum 17.20mm in straight portion and minimum 15.50mm to maximum 18.25mm in bend portion. A fill factor of minimum 80% shall be ensured.

There are 72 variants of bends starting from shortest radius of 91mm to longest radius of 1014mm. The radial difference between consecutive radii = 13mm. These dimensions shall be considered for deciding about the required ECT probes, their dimensions and the dimensions for the cables / connecting wire, etc in order to get reliable signal responses for real and simulated flaws on OD side, ID side and for the full thickness of the tube in its full length including bend portion.

Testing conditions:

- a. **For loose straight/ U Tubes at raw material Stage:** For ID ECT. Tubes shall be arranged over wooden platform without any other contact. For OD ECT, Vendor shall be in a position to bring and provide the suitable fixtures for the test. Vendor shall provide shop floor area requirements for keeping /positioning the above test set up prior to the start of test.
- b. **For U tubes at PSI stage:** The SG will be in horizontal position during the test after completion of all manufacturing and testing activities, and the test personnel have to operate from the dished end side in which the personnel entry is to be made through man-hole nozzles in order to access the tubes for carrying out eddy current testing. There is also a constraint to access due to a partition plate which separates the hemispherical space into two halves (which practically leaves one manhole for each side of the tubes). As per the option and convenience of the contractor, the partition plate inside the dished end separating hemisphere in to two halves may be kept in horizontal or vertical position for inserting (entering or pushing) and with drawing or pulling of bobbin type probes and connectors.

Engagement of Qualified personnel and Customer approval and indicative manpower requirements:

The presence of ECT Level III of contractor is mandatory for customer dealing and work supervision of Level II persons engaged in physical testing along with obtaining stages and reports signed off by NPCIL customer. Vendor shall engage a well experienced ASNT ECT Level-III personnel (preferably with an experience of minimum 2 years - in handling NPCIL projects), who will be responsible for preparation and customer approval of procedure, witnessing the test, evaluating / characterizing and convincing the customer inspector whenever necessary, preparation of the reports and customer clearance of the same. The test shall be done by ECT level II qualified personnel with work experience in NPCIL projects. This ECT test will be 100% witnessed by NPCIL and will be treated complete, only when NPCIL approves the test results and signs of all reports and the relevant stages of operations in the operation process sheet.

Indicative manpower details required:

Sl.No	Activity	Resource Type required	Indicative No. of. persons required for round the clock work	Remarks
1	Data acquisition/scanning	Level-II	6	Scanning of tubes
2	Data Interpretation, evaluation & report review	Level-III	1	Evaluation and documentation shall be updated on every day in progressive manner
3	Report/documentation closure	Level-II	1	

All the resources (equipment, probe, accessories, certificates, formats and task performer, evaluator etc.) shall be pre-qualified by BHEL. Vendor shall get the resources qualified well in advance before deputation of the resources to BHEL site. Upon Award of work, the indicative manpower mentioned shall be deployed for NDE of U-Tubes at BHEL, Trichy.

Caution against spurious/non relevant signals:

It is emphasized that there is a possibility of spurious signals due to supporting grid plates and tube sheet which come in contact with the tubes at straight portions and due to tube supports at bend portions. Contractor has to take care of this suitably with the help of suitable signal filtering systems of the equipment.

Evaluation/interpretation of signals shall be documented clearly distinguishing Noise/spurious/actual indications. **Also, enough documental/practical evidences need to be supported for interpretation of Spurious /Non relevant/ Noise related indications due to Permeability/conductivity /electrical/Pilgering / Waviness issues.** If any additional test (OD ECT, UT IRIS, other tests for discriminating permeability, and conductivity noises) are required for validation/conclusion of interpretation of the signal (Pilgering /permeability study/conductivity study etc.), vendor shall arrange such tests facility immediately.

Calibration Specimens:

It is hereby informed that, NPCIL is likely to ask for a separate calibration for the bend regions and straight regions. In that case, the contractor shall do the same. However, required bend portion of the tubes and straight portion of the tubes will be issued by BHEL and **contractor has to make his own arrangements and facilities for converting the BHEL supplied raw tubes into required calibration specimens with required notches / holes as per code / NPCIL specification.** On this, if any clarification is to be sought by the contractor, the same has to be directly taken up with NPCIL customer. Vendor shall submit the drawing of required calibration specimens and required samples (standard specimen) to be made to interpret and evaluate the signals as mentioned in above point.no.5. Based on the drawing, raw material shall be supplied by BHEL to convert it into calibration / standard specimen. Also, dimensional report from NABL approved laboratory for all the calibration/standard specimen shall be submitted prior to test.

Scanning Speed:

As it is a major requirement of NPCIL specification that the scanning speed shall be ensured to be constant, the contractor shall employ a mechanical scanning system (eg: puller-pusher automatic type) for ECT probes. Alternately, if it is acceptable to NPCIL, manual scanning is also permitted subject to maintaining the scanning speed at reasonably uniform level by engaging well experienced crew for scanning. Maximum speed shall not be more than 300 mm/sec

Working Time:

The contractor shall operate either two or three shifts depending on the progress of work, so that the entire work, including the report clearance gets completed within a maximum time of 6-7 days per 1000 tubes (loose

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

straight/ U tubes) in raw material condition and 12-15 days for PSI stage ECT i.e, 2500 U Tubes including clearance of the report. To meet this multiple crews shall be planned by the contractor. Based on the situational requirement of BHEL Trichy, vendor should be ready to work on Sundays, holidays etc.

1. Testing requirements: Vendor has to evaluate, categorize and clarify end customer NPCIL with respect to the indications observed in the samples as provided by BHEL. Hence vendor may have to visit as per BHEL requirement as a part of trials testing initially and later for loose U tube scanning followed by PSI scanning. Vendor shall necessarily be ready even for the requirement of trail ECT which may go for one to two weeks. For this period, BHEL shall ensure that quantity of test per visit shall be minimum 500-No's tubes per week.

B. ECT SYSTEM:

Vendor shall execute this work with their own ECT equipment, probes, cables and other accessories, and confirm that this complete system meets the requirements of NPCIL procedure. BHEL will provide the necessary electrical supply for operating these systems. The entire system shall be capable of detecting localized corrosion/erosion, fretting, gradual wall thinning by using multi frequency self-comparison differential and external comparison absolute technique and bobbin probe. Calibration records for the equipment and probe certificate (for both bobbin type and encircling type ECT probes) shall be provided to BHEL.

2. ECT equipment shall have following capabilities:

- a. EC tester shall be capable of multi frequency (at least four frequency) testing (analog or digital).
- b. Frequency range from 500Hz to 1 MHz
- c. Capable of performing multi-channel (at least four channels) data acquisition in both differential and absolute mode.
- d. Eddy current data representation in phase amplitude form on X-Y screen with user selectable individual channel and strip chart patterns for at least two charts simultaneously.
- e. Phase angle rotation for signal to be adjustable from 0 to 360 degrees with angle increments of minimum 1 degree.
- f. Signal amplitude magnification to be adjustable through Gain / sensitivity control having a range of around 74 dB in steps of 1 dB increment. (The value of 74 dB is a representative value. The gain should be sufficient to effectively satisfy the equipment calibration requirements as mentioned in point 4.2 below)
- g. Eddy current data to be recorded in real time on non-volatile medium e.g. Magnetic tape, computer hard disk or equivalent recording medium.
- h. Replay capability for all channels of recorded data.
- i. Facility to obtain hard copy printout for selected combination of strip chart patterns and / or X-Y patterns.
- j. In case of digital equipment, Data capture rates of at least 600 samples per channel per second with a digital resolution of min 12 bits.
- k. The system shall have capability of performing on-line mixing for cancellation of 3 Tube Support Plate (TSP) signal.
- l. Analysis system to be capable of measuring phase angle in increments of min 1 degree and amplitude measurements up to min 0.1Volts.
- m. Equipment calibration should be maintained as per ASME Sec V Article 8- II 860 requirements which state that for Analog Instruments the calibration is to be verified for set Frequency within +/- 5% and signal amplification for all channels within +/-5% with each other for identical settings. Digital elements need not be calibrated.

Note:

1. The above requirements are being satisfied by the following equipment available at site: Zetec MIZ-12, MIZ-17, MIZ-18, MIZ-27, MIZ-40, MIZ-43.
2. Additionally, the following equipment also satisfy the above requirement: Olympus MS5800, ECT MAD 8D, Technofour - INSIS, Situ -PCEAS, Omni Corestar, RDTech, Rohman – ELOTEST. All this equipment and those meeting requirements as laid down by codes can be used provided that they give independent review software with basic analysis features which can be used independently at any remote location viz. NPCIL HQ. The data files should be

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

transferable on standard recording media (Digital / Analog). Vendor shall submit some sample data files for the acquired through machine/probe set up to finalize the selection of equipment's (both machine and probes /accessories) make/model.

3. It is anticipated that there could be spurious indications due to the ID / OD surface of the tubes, supporting grid plates, tube sheets, and curved portions of the tubes. The ECT system shall be able to correctly interpret these signals, to the satisfaction of NPCIL. A S/N ratio of better than 5 shall be maintained throughout.
4. As a minimum contractor has to bring 6 No. of straight probes and 6 No's of Flexible probes during each time of testing /inspection. At any stage the contractor shall be in a position to maintain this stock and needs to replace the failed probe immediately and maintain the above numbers as a minimum. No break down shall be permitted due to probe / machine / man power.

C. EXPECTED PART OF CONTRACTOR'S WORK ACTIVITIES AS A MINIMUM:

1. Preparation and approval from M/s NPCIL of the procedures. Level III of contractor has to involve in this. Technical specification of NPCIL was shared by BHEL.
3. Arrangement of probes, cables, equipment, mechanical or manual scanning system etc. based on NPCIL requirement. Reference blocks / specimen's preparation and their validation / verification through third party reports. For this as per the needs of the contractor, straight or bent tube samples will be given by BHEL.
4. Execution of the work using ECT Level II qualified personnel of contractor including report preparation and obtaining clearance from M/s NPCIL (after witnessing and supervision of testing due signing of reports by Level III of contractor). The work shall be operated in 2 to 3 shifts every day by engaging at least 6 operators to cover seamless operation in all the shifts.
5. ECT carried out shall be capable to provide location of discontinuities, longitudinal length of the discontinuities from the tube end, severity of the discontinuities and characterizations of the discontinuities, etc as desired and stipulated by NPCIL. All the requirements spelt out in the NPCIL specification / procedure regarding discontinuities and their detection / characterization shall be finally binding on the part of the contractor. There are going to be 13 tube supports (called grids) and tube sheet for both straight portions of the tubes and tube bend supports at bent portion of the tubes (making contacts at few locations on OD side of the tubes) and signals in ECT because of such points shall have to be suitably taken care in order to scan the tubes' total thickness for defects. For each and every tube for their full developed length, detailed report on Eddy Current Testing data shall be provided.
6. Testing shall be monitored by ECT Level III of the contractor mandatorily.
7. Testing including closing of reports, clearance from customer for one SG shall be completed within 12-15 days from the date of first scan.
8. Preparation of documents and obtaining NPCIL approval, Mobilization and demobilization of systems, Equipment's, consumables, man power and all the resources required, ensuring availability of adequate man power and arranging for their boarding, lodging and local conveyance, execution of the work and final submission of data and reports after NPCIL's acceptance are in the scope of the contractor whereas cleaning of tubes before testing, arranging proper working condition for testing, provision of electricity, lighting, working tables and chairs and safe working space for preserving contractor goods are in the scope of BHEL. The readiness for commencing the work for any raw materials/ SG tubes, will be intimated to the contractor 5 days in advance. The following documents are to be submitted by the vendor at least 10 days prior to the commencement of the ECT scanning:
 - a Machine calibration certificate.
 - b Probe certificate (diameter, make, model, width of the coil, gap between differential coil, along with calibration response on reference tube)
 - c Performer Level qualification certificate (level-II and Level-III)
 - d Dimensional test of all Calibration / standard tubes.
 - e Sample calibration (as per applicable specification requirement) data file on the reference tube by using vendor's equipment set up (machine and all probes/accessories which is going to be deployed for the actual test).

D. SPECIFIC TECHNICAL POINTS TO BE TAKEN CARE BY CONTRACTORS:

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

- b. All the accessories required for the test setup such as calibration blocks, probes, ECT machine, Laptops, electrical adaptors, software keys, UPS etc., are to be arranged by the vendor along with test certificates. Minimum two laptops shall be made available at site so that in parallel data acquisition and data interpretation/evaluation shall happen
- a. It is preferred to have few numbers of slightly lower diameter probes also in addition to normal probes in order to take care of 'probe stuck' if any observed with normal probes. Both flexible and straight probes deployed must ensure high quality in terms of repeatability and consistency of test results in all stages. Also, probes shall have scale/graduations marking for locating (length) the signals.
- b. The probes shall be of rugged ones and their durability shall be very high without wear / tear / damage. Also, they shall be flexible enough to enter into minimum radius bend in a smooth manner without undergoing damage. As damage could be a possibility, the contractor is expected to keep sufficient number of spare probes as replacements.
- c. The tubes are expected to be re-scanning due to some dusting or presence of dirt within the tubes resulting in unwanted signals. In such occasions, cleaning (performed by BHEL and contractor) of tubes' inner volume would remove / eliminate such spurious signals and such cleaned tubes will be warranting testing again. This rescanning is to be considered as a part of normal testing and exclusive charging by contractor for this rescanning is not permitted.
- d. As already mentioned elsewhere in this document, automatic scanning is preferred but it is not mandatory, provided the scanning speed is maintained at a reasonably constant level (either by manual scanning or automatic scanning).
- e. For data analysis and defect location and orientation identification along with its severity level fixing, the contractor shall use state of art software. This software has to be calibrated and should be compatible to NPCIL's system for later reading of the contractor's data through NPCIL's software / system without any data distortion as further in-service examinations will be planned periodically by NPCIL at shut downs using the NPCIL system.
- f. After taking the order, out sourcing of part or full work to another vendor is not all permitted. Also, it is to be noted that only direct employees of the contractor shall be deputed for the job and no free lancers/consultants of the contractor are permitted.
- g. During the first time eddy current testing activity at BHEL, supplier shall make a thorough demonstration of ECT on a shortest radius bend tube by multiple entries and with drawl of probes and in this trial, there shall not be any deterioration in the signal response and signal quality and this demo shall be acceptable to NPCIL witnessing the activity. This has to demonstrate separately outside using a plain 'U' tube (given by BHEL).
- h. Eddy Current Testing equipment, probes and system shall meet the requirements of ASME Section V, Article 8 and PP-P-1963 (NPCIL's specification).
- i. ECT from OD by encircling method shall be done as per NB 2554 of ASME Sec III NB, ASTM E571 and relevant article of ASME Sec V except that in the reference standard, 2 nos. through hole 0.8 mm & 1.3 mm in diameter shall be used in lieu of 1.5mm diameter hole stated therein.
- j. Inspection of ID by IRIS UT probes need to be performed with a written procedure and the same has to be submitted to BHEL/NPCIL for review and acceptance before the test.
- k. If the supplier's software is directly not compatible to NPCIL's software, it shall be the responsibility of contractor to arrange for a suitable intermediate facility to replay and analyse the bidder's system signals through the NPCIL's system / software immediately.

E. Documentation & Retention Period: Contractor shall ensure the following:**1. Availability of**

- 1.1 valid level II/III certificates for all the personnel used in test
- 1.2 valid calibration certificates for equipment
- 1.3 valid probe certificates with the calibration records (including charts) of all the probes



SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

- 1.4 valid dimensional report (NABL approved) of reference/calibration tubes & sample specimen certificates including schematic drawings.
2. Vendor shall maintain the daily work logbook (attested by operator & inspector) for all the test parameters & calibrations (verified by level III). Shift wise logbook shall be maintained for the daily/shift calibration confirmation/interim calibration for both technique i.e. absolute & differential, number of tubes scanned with interpretation & evaluation remarks. At the end of test, all logbook/records shall be submitted to BHEL.
3. In case of any ID signals or OD signal more than 35%, data acquisition shall be done twice or thrice for consistency check and clarification (if any raised) to be provided to the satisfaction of customer.
4. Timely detailed reporting shall be done as per the BHEL/NPCIL approved format only, which will minimum consist of "records mentioned in point 1/F", "proper indexing of the tube identification with data file name", "test date with calibration details", phase angle, signal %, amplitude, length, location of signals etc. All observed signals shall be duly analysed & evaluated by only level III in progressive manner on daily basis including updating in report format. Vendor shall submit original reports interpreted & evaluated by Vendor's Level-III and formal report shall be made immediately available for BHEL/NPCIL review at the end of data acquisition. Also, any correction required from the BHEL/NPCIL shall be done immediately. Vendor's level III shall immediately have obtained the final approval from the M/s NPCIL.
5. Vendor shall immediately submit four DVD copies and USB containing, properly indexed data files and calibration files for all the test.
6. Vendor shall handover all the standard specimen & reference tube used in test.
7. Test will be concluded as completed only when if above documents & records (mentioned 1-5) are formally (with the record) submitted to BHEL with the customer/NPCIL approval.
8. Vendor shall ensure the following data/documents availability for a retention of minimum period of ten years and on demand the same shall be shared immediately to BHEL:
 - 8.1 Properly indexed original scan file & calibration data file (ECT signatures)
 - 8.2 Copy of reports/records/logbook etc. which is used during test.
9. All data/records are BHEL's proprietary data, not to be disclosed or reproduced without the permission of BHEL.

F. Accommodation and transport:

Contractor has to make his own suitable arrangements for food, accommodation and transport etc. to comfortably work as per BHEL's requirement.

G. CONTRACT PERIOD AND PLACE OF WORK:

1. Duration of the contract: **Twenty-Four months** from the date of award of contract.
2. The work shall be carried out at **BHEL-Trichy**.

H. Other Terms and Conditions

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.



SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

5. Payment will be made after completion of work on pro-rata basis on acceptance and certification of bills by BHEL NDTL Area Executive.

6. The Contractor at the end of each month 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 respective area HOD separately details of their claims for the work done by them up to and including the previous month which are not covered by their contract agreement in any of the following respects:

Deviation from the items provided in the contract documents.

a Extra items / new items of work.

b 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. Payment will be at the sole discretion of BHEL.

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.

I. Payment Terms and Conditions

1. Payment will be made after completion of work on pro-rata basis based on actual work executed as per BOQ after acceptance and certification of NDTL Area in charge (BHEL Executive). Payment shall be made after 45 days of submission of bill complete in all respect.
2. The Inspection Agency shall submit the detailed work completion report every month with supporting documents for verification of item wise Quantity as per BHEL PO No., PO Item No., Description, drawing number and number of tubes. In addition to invoice, the contract shall have to submit ESI & PF documents as applicable.
3. Invoices together with the work completion Report shall be submitted to BHEL once in a month and payment shall be made as per normal BHEL rules.
4. The Invoices shall be submitted to BHEL within one month but not exceeding three months from the date of inspection of the item.

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

1. All the Contract employees should be trained on Safety and certified by Safety/BHEL. New employees should undergo Safety Training before take up the work, without Safety Training no contract person is allowed to do any work.
2. Use of cell phones and other mobile electronic devices (including hands-free devices) in the work spot and during the operation of a vehicle in the BHEL premises is prohibited.
3. Contract employees working on BHEL premises must wear appropriate personal protective equipment. Strict adherence to all required Personal Protective Equipment (Helmet, Safety Shoes and Goggles) are mandatory, specific PPE requirements will be based on job type or tasks performed.
4. Excessively loose-clothing, dhoti/Lungi is prohibited especially around rotating or moving equipment.
5. The contractors' work area should be kept clean and orderly, free of clutter and trash, so that work may proceed in a safe and orderly manner. Tools should be safely positioned during use and promptly put away when no longer required.
6. Fire-fighting, emergency shutdown devices, and life-saving equipment, should not be blocked by the contractor/employees and access to the path to this equipment should be maintained at all times.
7. Only approved equipment should be used in locations where flammable mixtures are present. A Hot Work Permit is required when open flames, or electric arcs are in the work area and while handling flammable materials.
9. Smoking is not allowed in work area.
10. BHEL operate under a comprehensive Emergency Response Plan. Contractors should be aware of the site Emergency Response Plan and communicate that plan to all their employees.
11. It is recommended that the contractor should know & display the emergency phone numbers like Fire, Ambulance, Safety, Security etc. at their work area.

**SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23**

12. It is the responsibility of the contractor to understand and use the appropriate Work Permits and to verify any permit requirements at the location. Contractor must make necessary arrangements with their Representative to acquire appropriate authorization to perform those operations at the site.

K. Liquidated Damage (LD)/Penalty:

- If the contractor fails to complete the service/work as per terms & conditions of the order within the delivery schedule,
- B. LD shall be levied @ 0.5 % of the testing charges of the number of tubes offered for inspection per day of delay beyond two days.
- C. Noncompliance in inspection with reference to any of the clauses to the CQP / applicable standards and codes, specifications will be viewed seriously and for those cases, the penalty will be imposed to the extent of deducting the payment for two times the number of tubes wrongly inspected/interpreted.
- D. BHEL reserves the right to cancel the contract if the noncompliance is more than 5%. The total LD against this contract shall be limited to 10% of work order value. In case of any amendment/revision, LD shall be linked to the amended / revised PO.

4. GENERAL TERMS & CONDITIONS OF THE CONTRACT**4.1 PROVISION FOR MICRO & SMALL ENTERPRISES (MSE) SUPPLIERS AND START-UPS**

MSE suppliers can avail the intended benefits only if they submit along with the offer, notarized / attested copies of valid NSIC certificate or UAM along with CA certificate or UDYAM Registration certificate

- i. Definitions of MSEs owned by Women is under:
 - i. In case of proprietorship firm, proprietor must be woman.
 - ii. In case of partnership firm, the women partners must be holding at least 51% shares in the unit.
 - iii. In case of private limited companies, at least 51% share must be held by women promoters.
- ii. Definitions of MSEs owned by SC/ST is under:
 - i. In case of proprietorship firm, proprietor must be SC/ST.
 - ii. In case of partnership firm, the SC/ST partners must be holding at least 51% shares in the unit.
 - iii. In case of private limited companies, at least 51% share must be held by SC/ST promoters.
 - iv. Authorized Offices to Issue SC/ST certificate. The caste/Tribe/Community certificate issued by the following authorities in the prescribed form for SCs/STs can be considered.
 - v. District Magistrate / Additional District Magistrate / Collector / Deputy commissioner / Additional Deputy commissioner / Deputy collector/ 1st class stipendiary magistrate/ Sub divisional Magistrate/ Taluka Magistrate/ Executive magistrate/ Extra Assistant commissioner.
 - vi. Chief Presidency magistrate/ Additional chief presidency magistrate/ Presidency magistrate.
 - vii. Revenue Officer not below the rank of tahsildar.
 - viii. Sub-Divisional officer of the area where the individual and/ or his family normally resides.
 - ix. To avail the benefits of MSE under SC/ST category, the related documents as stated above should be submitted along with tender documents.
- iii. If MSEs quoted price is within price band L-1 + 15%, when L1 is non- MSE, the MSEs will be allowed to supply at least 25% of tendered quantity at L-1 rate subject to acceptance by MSEs to L-1 rate. (Minimum of 3% reservation for women owned MSEs and 6.25% for MSEs owned by SC/ST within the above mentioned 25% reservation). In case the contract cannot be split, the full/ complete supply of total tendered value shall be awarded to MSE. The preference to the MSEs will be given in order of their ranking L1, L2, L3, etc.
- iv. Start-up companies will be provided benefits and relaxation as per the latest government norms. For availing start-up benefits, relevant certificates issued by Department of Industrial Policy and Promotion shall be submitted along with the tender.

4.2 REGISTRATION WITH STATUTORY BODIES

- 4.2.1 If Company/ Firm/ Agency/ Vendor is not registered with PF, ESI and Labour License (as applicable), they will have to comply with the statutory requirements within 30 days from award of contract, otherwise their bills will not be processed.
- 4.2.2 If Company / Firm is not having valid labour License, they have to get registered immediately after award of contract, in case they are engaging more than 20 workers, and submit the same within 30 days from award of

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

work failing to do so contract will be cancelled and BHEL will entrust the work to any other contractor at the risk and cost of the contract, and the contractor shall be liable to pay the extra expenditure.

- 4.2.3 The contractor shall have separate PF and ESI code, BHEL will not allow the contractor to remit the PF and ESI of his employees through codes of others.
- 4.2.4 Apart from furnishing the above details, self-attested copies of relevant documents/ certificates must be enclosed with the Technical Bid. If at any stage, the document(s) submitted by Contractor is/are found incorrect/false, the necessary action will be taken by BHEL against contractor.
- 4.2.5 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 guidelines including Guidelines for suspension of Business Dealings, 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.

4.3 GOODS AND SERVICES TAX (GST)

- 4.3.1 GST will be charged on the EMD / SD amount forfeited from the bidder at the applicable rates. GST tax Invoice will be issued to the vendor on receipt/recovery of GST amount from the vendor.
- 4.3.2 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".
- 4.3.3 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.
- 4.3.4 Response to Tenders for Indigenous contractor will be entertained only if the vendor has a valid GST registration No (GSTIN) which should be clearly mentioned in the offer. If the dealer is exempted from GST registration, a declaration with due supporting documents need to be furnished for considering the offer. Dealers under composition scheme should declare that he is a composition dealer supported by the screen shot taken from GST portal. The dealer has to submit necessary documents if there is any change in status under GST.
- 4.3.5 Contractor 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 ERP 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.
- 4.3.6 All invoices shall bear the HSN Code for each item separately (Harmonized System of Nomenclature)/ SAC code (Services Accounting Code).
- 4.3.7 Invoices will be processed only upon completion of statutory requirement and further subject to following:
a. Vendor declaring such invoice in Form GST ANX-1
b. Receipt of Goods or Services and Tax invoice by BHEL
- 4.3.8 As the continuous uploading of tax invoices in GSTN portal (in GST ANX-1) is available for all (i.e. both Small & Large) tax payers under proposed new GST Return System, all invoices raised on BHEL may be uploaded immediately in GST portal on despatch of material /rendering of services. The supplier shall ensure availability of Invoice in GST portal before submission of invoice to BHEL. Invoices will be admitted by BHEL only if the invoices are available in GSTN portal (in BHEL's GST ANX-2).
- 4.3.9 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. Contractor 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.
- 4.3.10 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



SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

- 4.3.11 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.
- 4.3.12 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.
- 4.3.13 Under GST regime, BHEL has to discharge GST liability on LD recovered from suppliers/contractors. Hence applicable GST shall also be recoverable from suppliers/contractors on LD amount. For this Tax Invoice will be issued by BHEL indicating the respective supply invoice number.
- 4.3.14 GST TDS will be deducted as per Section 51 of CGST Act 2017 and in line with Notification 50/2018 – Central Tax dated 13.09.2018. GST TDS certificate which will be generated in GST portal subsequent to vendor accepting the TDS deduction in the GST portal, will be issued to the vendor.
- 4.3.15 In case any changes in taxes and duties as per Gov. Notification (including GST), the same shall be applicable from time to time.

4.4 TERMS FOR PRICE BID & RATE BASIS

- 4.4.1 Price bid is to be submitted in a separate price bid form provided in the portal.
- 4.4.2 The period of the contract can be extended if required by BHEL and agreed by contractor.
- 4.4.3 The rate quoted shall remain firm and valid throughout the contract period (including if extended on mutual acceptance, if needed) and no extra payment will be reimbursed to the contractor by BHEL. Any increase of DA/ wages to the contract labour shall be absorbed by the contractor themselves during the period of contract.
- 4.4.4 Quotation should be valid for a period of 120 days from the date of tender opening.
- 4.4.5 The quoted rate should be excluding GST and inclusive of any taxes and duties levied or to be levied both by Central and State Government authorities from time to time. Such levies should be borne by the Contractor. GST will be paid extra only on submission of documentary evidence.
- 4.4.6 The quoted rate will be inclusive of supply of all items as per the scope of work. Any miscellaneous materials that have not been mentioned specifically in the specification/tender which are required for work, shall be deemed to be included in the specification and shall be supplied by the bidder without any extra charges. Any scope of activities which are not specifically mentioned in this specification but required for the completion of the work for safe, trouble free, normal operation shall be provided at no extra cost by the bidder, unless explicitly excluded in the specification. Any charges for the civil works/ construction materials used for the work will be in the scope of bidder.
- 4.4.7 The Contractor will have to cover their workmen under PF, ESI, Bonus Act etc. based on the above payment rate (Minimum Wage + Additional Wage).
- 4.4.8 Except applicable statutory deductions towards EPF, ESI, etc., the above stipulated wages shall be paid by the Contractor without any deductions like advance, training cost, accommodation cost, loan, etc.
- 4.4.9 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 Government rules & regulations.
- 4.4.10 New vendors responding against BHEL website/ NIC/ CPPP, may visit the area of work, if they want to know the scope/ work details, and also area of work, prior to quoting.
- 4.4.11 Evaluation of the offer shall be done on the basis of delivered cost (i.e. "Total Cost to BHEL").
- 4.4.12 The vendor will be permitted to work round the clock to complete the work.

4.5 RATE FINALIZATION

- 4.5.1 Lowest prices received against BHEL Tenders need not be the acceptable to BHEL and in that case BHEL would not consider the same for award of Contract. BHEL would negotiate or re-float the Tender opened if L1 price is not the lowest acceptable price to them inter-alia other reasons.
- 4.5.2 BHEL will finalize the rates through price bid opening. Hence, Tenderers are requested to give their best prices at the first instant itself.
- 4.5.3 In the event of the final L1 prices are not reasonable/ acceptable to BHEL, BHEL also may resort to short closure of this Tender.

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23**4.6 CRITERIA FOR AWARD OF WORK**

- 4.6.1 The evaluation of offer for award of work shall be on the basis of "Total Cost to BHEL" for package-wise L1 (lowest bidder) on basis on "Net Cash outflow to BHEL after taking into account applicable Taxes and Duties.
- 4.6.2 In case of more than one L1 bidders, BHEL will get fresh revised reduced price bids from all such L1 bidders & ranking will be decided based on these revised bids. The new rates quoted should be lower than their previous L1 rates. If L1 could not be decided by this process, ranking will be decided by draw of lots in the presence of all such L1 bidders.
- 4.6.3 The quantity mentioned in BOQ / Price bid is tentative. BHEL reserves the right to increase or decrease the quantity during award of work or issue work order in phase manner as per requirement of BHEL.

4.7 TERMS & CONDITIONS FOR THE CONTRACTS

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

- i. 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.
- ii. 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.
- iii. 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.
- iv. "The Officer-In charge" means, the Officer deputed by the Head of Indenting department (User), to supervise the work or part of the work.
- v. "Approved" and "Directed" means, the approval or direction of Head of Indenting department (User), or person deputed by him for the particular purposes.
- vi. "BHARAT HEAVY ELECTRICALS LIMITED" (herein after referred to as BHEL) shall mean the Board of Directors, Chairman, Executive Director, General Manager or other Administrative Officer of the said Company including AGM / WCM authorised to invite tenders and enter into contract for works on behalf of the Company.
- vii. 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.
- viii. A "week" means, Seven Days, without regard to the number of hours worked or not worked in any day in that week.
- ix. A "day" means, the day of 24 hours (TWENTY-FOUR) irrespective of the number of hours worked or not worked in that day.
- x. A "working day" means, any day other than that prescribed by the NEGOTIABLE INSTRUMENTS ACT as being a Holiday, and consists of the number of hours of labour as commonly recognised by good employers in the trade in the district where the work is carried out or as laid down in the BHEL regulations.

4.7.2 HEADING TO THE CONTRACT CONDITIONS: The heading to these conditions shall not affect the interpretations thereof.

4.7.3 WORK TO BE CARRIED OUT: The Contract shall, include all labour, materials, tools, plant, equipment and transport 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.

4.7.4 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.

4.7.5 ASSIGNMENT OF TRANSFER OF CONTRACT: The Contractor shall not without the prior written approval of the BHEL, assign or transfer the contract or any part thereof, or any share, or interest thereon to any other

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

persons. No sum of money which may become payable under the contract shall be payable to any person, other than the contractor unless the prior written approval of the BHEL to the assignment or transfer of such money is given.

4.7.6 SUB-CONTRACT: The Contractor shall not sub-let any portion of the contract without the prior written approval of the BHEL.

4.7.7 COMPLIANCE TO REGULATIONS AND BY-LAWS: The Contractor shall confirm to the provisions of any statute relating to the work and regulations and Bye-Laws of any local authority. The Contractor shall be bound to give all notices required by statute regulations or By-Laws as aforesaid and to pay all fees and taxes payable to any authority in respect thereof.

4.7.8 SECURITY DEPOSIT (SD): Security Deposit means the security provided by the Contractor towards fulfilment of any obligations in terms of the provisions of the contract. The total amount of Security Deposit will be 5% of the contract value. EMD of the successful tenderer shall be converted and adjusted towards the required amount of Security Deposit. Security Deposit has to be deposited within 15 days of LOI. Else EMD will be forfeited and may also attract the provision of "Suspension of Business dealings with Suppliers/Contractors".

4.7.8.1 MODES OF DEPOSIT OF SD: The balance amount to make up the required Security Deposit of 5% of the contract value may be accepted in the following forms:

- i. Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL (Online Payment procedure for EMD and SD amount attached (Annexure – I) for vendor's reference)
- ii. Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL
- iii. Fixed Deposit Receipt issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL)
- iv. 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)

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.

4.7.8.2 COLLECTION OF SECURITY DEPOSIT

- i. The Security Deposit must be deposited before the start of Work.
- ii. At least 50% of the required Security Deposit, including the EMD, is to be submitted before start of the work. Balance of the Security Deposit can be collected by deducting 10% of the gross amount progressively from each of the running bills of the Contractor till the total amount of the required Security Deposit is collected.
- iii. 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.
- iv. The Security Deposit shall not carry any interest.

NOTE: After issue of LOI / Work Order, 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 as per suspension of business dealing guidelines of BHEL will be taken.

4.7.9 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:

- i. Deviation from the items provided in the contract documents.
- ii. Extra items / new items of work.

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

- iii. 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.
- iv. Tenderer has to quote rates both in figures and in words for all the items given in the Bill of Quantities provided. Along with bills, Contractors has to furnish self-attested copy of the following documents for further processing of bills:
- v. Copy of PAN card.
- vi. 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.
- vii. 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.
- viii. 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.
- ix. Any other relevant document which is required from time to time as per BHEL requirement.

4.7.10 PAYMENT OF BILLS: All payments to be made to the contractor, under this contract shall be through Electronic Fund Transfer (EFT) after the certification of bills by the end user / executing agency.

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

4.7.11 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 format provide by BHEL.

4.7.12 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.

4.7.13 RECOVERY FROM CONTRACTOR: Whenever under the contract, any sum of money, shall be recoverable from or payable by the Contractors, 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 or he shall pay the claim on demand.

4.7.14 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.

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

4.7.16 INCOME TAX:

- i. Income Shall be deducted at the applicable rate in respect of the service contract including supply of labour for any work as follows:
- ii. Self-attested copy of PAN card shall be submitted to Account Dept. along with original for verification.
- iii. TDS Certificate will be issued to vendors for each quarter ending as on 30th June, 30th Sept, 31st Dec and 31st Mar during the following quarter.

4.7.17GST:

- i. Wherever GST is liable to be paid by the contractor, the contractor shall register himself under the GST Rules and a Self-attested copy of Certificate of Registration shall be furnished to Account Dept.
- ii. After registration, the payment of GST shall be effected by the contractor to the Central Government monthly/quarterly based on the invoices raised before the due date of payment. The GST Return also shall be submitted to the Government before the due date.
- iii. The invoice/bill in original duly signed by the contractor claiming the payment for GST shall clearly indicate the following:
 - Continuous Serial no. & date of the bill
 - Cost of the service
 - Separately showing the GST amount calculated at the applicable rate
 - PAN based GST Registration No.
- iv. The GST claimed in the bill will be paid to the contractor based on the proof of payment of GST to the Government for the previous month/quarter as the case may be.

4.7.18AVAILING INPUT TAX CREDIT (ITC): As per GST in line with new GST Return System from 1st Oct 2019.**4.7.19ORDERS UNDER THE CONTRACT:** All orders, notices etc. to be given under the contract shall be in writing, type-script 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. Contractor shall be deemed to have included in his tender price of all the plant, machinery and appliances required for the purpose of all operations connected with the work embraced under the contract to secure a satisfactory quality of work and rate of progress which in the opinion of the "Contract Signing Officer" will ensure the completion of the work within the time specified. BHEL is having every right to split the schedule and to award the work to single or many parties on the lowest offered rates basis. This is a time bound contract for period mentioned, and does not envisage any extension of time / period.**4.7.20CONTRACTOR'S SUPERVISION:**

- i. The contractor shall either himself supervise the execution of the contract or shall appoint a competent agent acceptable to BHEL Officials.
- ii. 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.
- iii. The contractor or his accredited agent shall attend when required without making any claim for doing so to the Executive/WCM or OFFICER-INCHARGE, to receive instructions.
- iv. The respective area HOD have full powers and without assigning any reason, require 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.

4.7.21LABOUR:

- i. 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.
- ii. 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 Act, EPF and Miscellaneous Provisions Act, 1952, Employees State Insurance Act, 1948 and other relevant Acts and rules framed, there under from time to time.
- iii. Contractor shall be responsible for making payment of wages and shall ensure disbursement of wages in the presence of the authority's representative of contract operating division who shall record under his signature at the end of entries in the Register of wages.
- iv. Contractor shall have/ obtain license under CL(R&A) Act, 1970.

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

- v. As per BHEL circular Contractor will have to make an additional wage per month has to be paid by the Contractor over and above minimum wages declared by Tamil Nadu Government to labours as:

Unskilled : ₹ 3200/-	Semi-skilled : ₹ 3700/-
Skilled : ₹ 4100/-	Highly Skilled : ₹ 4,300/-

- vi. The contractor has to disburse the salary/wages for their workmen only through Bank (RTGS). The relevant Bank statement/proof for Bank payment should be produced along with PF and ESI and challans to Welfare Section every month.

4.7.22 COMPENSATION TO WORKMEN: 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.

- Victim: Any person who suffers permanent disablement or dies in an accident as defined below
- 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, sewing, overhaul, renovation and retrofitting, trial operation, performance guarantee testing undertaken by the company or during any works / during working at BHEL Units/ Offices/ townships and premises/ Project Sites.
- Compensation in respect of each of the victims:
 - In the event of death or permanent disability resulting from Loss of both limbs: ₹ 10,00,000/- (Rupees Ten Lakh)
 - In the event of other permanent disability: ₹ 7,00,000/- (Rupees Seven Lakh)
- Permanent Disablement: A disablement that is classified as a permanent total disablement under the proviso to Section 2 (l) of the Employee's Compensation Act, 1923

4.7.23 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.

4.7.24 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, the BHEL against all claims enforceable against BHEL (or any agent, servant or employee of BHEL) or which would be so enforceable against BHEL where BHEL is a private person, 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 Workmen's Compensation Act or otherwise.

4.7.25 LAWS GOVERNING THE CONTRACT:

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

- Should a tenderer or a contractor has a dependent/relative or in the case of a partnership firm, any of its partners or dependents of partners employed in BHEL, the authority inviting tenders should be informed of this fact at the time of submission of the Tender failing which Tender may be disqualified or if such fact subsequently come to light, the contract may be cancelled.
- No BHEL employee and their dependents are eligible to submit their offer against this tender.

4.7.26 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:

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

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 borne to do any act, in relation to the obtaining or execution of this or any other contract for BHEL service,

OR

Enter in to 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

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.

4.7.27 CANCELLATION OF CONTRACT FOR INSOLVENCY ASSIGNMENT OF TRANSFER OR SUB-LETTING 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,

- i. 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

Being a Company, shall pass a resolution or the Court shall make an order for the liquidation of its affairs, 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

Assigns, Transfers, Sub-lets or attempts to assign, transfer or sub-let any portion of the work without the prior written approval of the BHEL.

- ii. Whenever BHEL exercise the authority to cancel the contract under this 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 the 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.
- iii. In case the 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 the 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.
- iv. Labour engaged by the contractor should be disciplined & exhibit good behaviour in dealing with employees of BHEL. Any misbehaviour or undesirable conduct of any person engaged by the contractor is reported, contractor shall change that person immediately or else it may even lead to termination of the contract & in such case security deposit will be forfeited as penalty.

4.7.28 CANCELLATION OF CONTRACT IN PART OF FULL FOR CONTRACTOR'S DEFAULT:

If the Contractor:

- i. makes default in carrying out the work as directed and continues in that state after a reasonable notice from Head of WCM., or his authorised representative;
- ii. fails to comply with any of the Terms and Conditions of the contract or after reasonable notice in writing with orders properly issued thereunder:

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

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 exercise the authority to cancel the contract as whole or part under this condition BHEL may complete the work at the contractor's risk and cost (as certified by Head of WCM., which is final and conclusive) being less than the contract cost, the advantage shall accrue to the BHEL. If the cost exceeds the moneys due to the contractor under this contract the contractor shall either pay the excess amount ordered by Executive/WCM or the same shall be recovered from the contractor by other means. In case the 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 the BHEL with an addition of such percentage to cover the superintendence and establishment charges as may be decided by the Head of WCM., whose decision shall be final and conclusive.

4.7.29 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.

4.7.30 SPECIAL POWER TO TERMINATION: If at any time after the award of contract, BHEL shall for any reason whatsoever does not require whole or any part of the work to be carried out, then Head of WCM shall give notice in writing of the fact to the Contractor and terminate the contract. The contractor 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 fore-closing of the work.

4.7.31 FORCE MAJEURE CLAUSE: If, at any time during the continuance of this Contract the performance in whole or in part by either party of any obligations under this Contract shall be prevented or delayed by reason of any War, Hostile acts of the public enemy Civil Commotion, Epidemics, or Acts of God (Floods, Storm/Cyclone, Hurricane, Earth Quake etc.) then provided notice of happening of any such event is given by either party to other within 7 days from the date of occurrence therefor neither party shall by reason of such event be entitled to terminate this Contract nor shall either party have any claim for damages against the other in respect of such non-performance and delay in performance under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist. If the performance in whole or part of any obligation under this Contract is prevented or delayed by reason of any such event, claims for extension of time shall be granted for periods considered reasonable by the Manager/WCM subject to prompt notification by the contractor.

4.7.32 ARBITRATION & CONCILIATION: Except as provided elsewhere in this Contract, in case amicable settlement is not reached between the Parties, in respect of any dispute or difference; arising out of the formation, breach, termination, validity or execution of the Contract; or, the respective rights and liabilities of the Parties; or, in relation to interpretation of any provision of the Contract; or, in any manner touching upon the Contract, then, either Party may, by a notice in writing to the other Party refer such dispute or difference to the sole arbitration of an arbitrator appointed by Head of the BHEL Unit/Region/Division issuing the Contract. The Arbitrator shall pass a reasoned award and the award of the Arbitrator shall be final and binding upon the Parties. Subject as aforesaid, the provisions of Arbitration and Conciliation Act 1996 (India) or statutory modifications or re-enactments thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceedings under this clause. The seat of arbitration shall be (the place from which the contract is issued). The cost of arbitration shall be borne as per the award of the Arbitrator.

Subject to the arbitration in terms of Clause above, the Courts at TRICHY shall have exclusive jurisdiction over any matter arising out of or in connection with this Contract.

Notwithstanding the existence or any dispute or differences and/or reference for the arbitration, the contractor shall proceed with and continue without hindrance the performance of its obligations under this

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

contract with due diligence and expedition in a professional manner except where the Contract has been terminated by either Party in terms of this Contract.

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

4.7.33 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 aforesaid arbitration clause.

4.7.34 SIGNING OF CONTRACT: Each contract document shall be signed by the Contractor with his usual signature. Contract by partnership of Hindu Joint Family firm, may be signed in the FIRM'S name by one of the Partners or the Karta or Manager as the case may be or by any other duly authorised representative followed by the name and designation of the persons so signing. Contracts by a Company shall be signed with the name of the Company by a person authorised in this behalf and a power of attorney or other satisfactory proof showing that the persons signing the Contract documents on behalf of the Company is duly authorised to do so, shall accompany the contract.

4.7.35 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.

4.7.36 SUSPENSION OF BUSINESS DEALINGS WITH SUPPLIERS / CONTRACTORS: Penal action can be initiated on the suppliers / Contractors in line with extant 'Guidelines for Suspension of Business Dealings with Suppliers/ Contractors'. The abridged version of extant 'Guidelines for suspension of business dealings with suppliers/ contractors' has been uploaded on <http://www.bhel.com> on "supplier registration page".

The offers of the bidders who are under suspension as also the offers of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms 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

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

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 mal-practices, 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](http://www.bhel.com) and/or under applicable legal provisions.

4.7.37SECREC Y 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. All the input details: transmittals and sample drawings supplied for preparation of drawings are confidential information of BHEL for specific purpose only. The contractor shall never pass on / part with the information to anybody and shall maintain the secrecy of the information. As soon as the bills are certified by BHEL, all the relevant drawing files shall be erased from PCs and shall not be made use under any circumstances. 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.

4.7.38STATUTORY REQUIREMENTS:

- i. 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.
- ii. 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.
- iii. 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.
- iv. Contractor wherever applicable shall maintain proper records prescribed by the concerned statutory authorities and provide a copy of the same to BHEL.
- v. Contractor shall furnish proper returns to the concerned statutory authorities and provide a copy of the same to BHEL.

4.7.39MOTOR VEHICLE ACT: The contractor should comply the relevant Motor Vehicle Act and other statutory requirement.

4.7.40REMOTE 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 centres, teleservice operations (whether voice, video, data or combination thereof) or by means of electronic, computer, automated machines network or through other means of telecommunication established by BHEL shall constitute legally binding and valid transactions when done.

4.7.41CHANGE 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

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

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.

4.7.42 LIEN OF CONSIGNMENTS: The Contractor shall have no 'lien' of any kind over the consignments entrusted for transportation. Any dispute with the Contractor and the consignees shall be settled on negotiations but under no circumstances, delivery of the materials shall be withheld by the Contractor.

4.7.43 SAFEGUARD OF EMPLOYER'S INTERESTS: Contractor shall watch and safeguard Employer's interests during the performance of the work. The contractor shall carefully check each and every consignment/item/commodity with the relevant forms/documents.

4.7.44 RIGHTS:

- i. BHEL may enter into parallel Contract simultaneously with any number of Contractor as may be deemed fit at any time during the period of Contract in the Interest of the work for any or all the stations and for any or all the schedules.
- ii. In case of breach of any of the terms and conditions of the Contract, BHEL will entrust the work to any other Contractor at the risk and cost of the Contract and the Contractor shall be liable to pay the extra expenditure, damages, loss suffered on account of the cancellation of the Contract
- iii. All amounts including the losses / damages / penalties / compensations etc., resulting from non-compliance with the terms of Contract, payable by the Contractor to BHEL under the Terms of the Contract will be recovered from the outstanding payments to Contractor either under this Contract or any other Contracts or from Security Deposit or from both. In case this amount is insufficient for such recoveries, the Contractor shall make good the balance amount by actual payment. In addition, BHEL, Trichy will recover the said amounts through its sister concerns, from the payments due to the Contractor in any of the units of BHEL located in any part of India.
- iv. The Contractor is not allowed to pass the responsibilities connected with the Contract to other agencies / Contractors, the Contractors shall not sublet or transfer the Contract or any part thereof, which tantamount to termination of the Contract and thereby attracting the penalty or forfeiture of security deposit.
- v. The Contractor shall have no right to demand at any time during the currency of this Contract any minimum quantity of Work for this Contract.
- vi. BHEL may verify / audit check by surprise visits at various locations of Works at their discretion and see whether the above requirements are complied with by the Contractor. In case the above requirements are not complied with, severe actions may be taken by BHEL on such Contractors, as deemed fit.

4.7.45 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.

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

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.

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.

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.

4.8 COMPLIANCE WITH VARIOUS LABOUR LAWS BY THE CONTRACTS:

4.8.6 The contractor shall not engage in connection with the work any person who has not completed 18 years of age.

4.8.7 The contractor shall in respect of labour employed by him, comply with following statutory provisions and rules and in regard to all matters provided therein.

- a) The contract Labour (Regulation & Abolition) Act 1970 and the related Rules.
- b) The minimum wages Act 1948 and the related rules
- c) The payment of wages Act 1936 and the related rules.
- d) The Factories Act 1948 and related Tamil Nadu Rules.
- e) The Employees' Provident Fund & Miscellaneous provisions Act 1952.
- f) The Employees State Insurance Act 1948.
- g) Workmen Compensation Act 1923
- h) Payment of Bonus Act 1965
- i) Maternity Benefit Act, 1961
- j) Payment of Gratuity Act, 1972
- k) Inter-State Migrant Workmen (Regulation of Employment & Conditions of Service) Act, 1979
- l) Equal Remuneration Act, 1976
- m) Industrial Employment (Standing Order) Act, 1960 (In case of engaging 100 or more workmen)
- n) The Industrial Disputes Act 1947

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

4.8.8 REGISTRATIONS AND LICENCING:

Every contractor shall register his name with the Personnel & Administration Department of BHEL Trichy-14 before taking up the work awarded to him by giving the following information and getting a code Number.

- a) Name of the Contractor
- b) Nature of Work
- c) Period of Work
- d) Number of maximum labour employed by him on anyone day.

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

- e) License No. & Date (Applicable in case of contractors employing 20 or more workers)
- f) The labourer should be enrolled with PF, ESI and enrolment No should be furnished on finalization of contract.
- 4.8.9** The contractor employing 20 or more workmen shall obtain a license from the authorities (The Deputy Chief Inspector of Factories / Assistant Commissioner of Labour as the case may be). This license shall be amended and / or renewed wherever there is an increase in the workmen employed by him or in the event of contract being extended or renewed. The contractor shall inform the license number to the BHEL Management before taking up the work.
- 4.8.10** The contractor (licensed or unlicensed) shall promptly furnish every information and document required by BHEL Authorities.
- 4.8.11** **WAGES:** The contractor has to disburse the salary/wages for their workmen only through Bank. The relevant Bank statement/proof for Bank payment should be produced along with PF and ESI challans to Welfare Section every month. The contractor shall have separate PF and ESI code, BHEL will not allow the contractor to remit the PF and ESI of his employees through codes of others. The contractor shall pay wages to the workmen employed by him at the rate, which shall not be less than the minimum wages declared by Tamil Nadu Government from time to time plus additional wages prescribed by BHEL. A certificate of payment shall be furnished in duplicate by the contractor to the Engineer In-charge for each month. The contractor shall inform the BHEL Management every month the details of contract labour engaged for each contract in the following forms:
 - a) Serial Number
 - b) Location
 - c) Period of Work
 - d) No. of Contract labour engaged during the month
 - e) No. of days worked
 - f) No. of Man – days worked
 - g) Wages paid to his workers.

The above statement shall be furnished to BHEL Management at the end of every month.

- 4.8.12** **REGISTERS AND RECORDS:** The contractor shall maintain necessary documents/ Formats and Registers and submit returns as required under the Contract Labour (Regulation and Abolition) Act 1970 periodically to BHEL Management and to the Licensing Authority. All registers and records shall be preserved in original for a period of three years. All the registers, records and notice maintained under the Act and rules shall be produced on demand by inspector or any authority under The Act.

4.8.13 **WORKING CONDITIONS:**

- a) The contractor shall provide all safety devices and personal protective equipment to his workmen at his own cost and shall ensure that his workmen wear / use such device or equipment provided to them while doing the work and there should not be any relaxation on this.
- b) The contractor shall ensure that his workmen vacate the premises after shift is over.
- c) The Contractor should bring contract labour to BHEL premises at his/her own cost, risk and execute the work allotted to him in BHEL premises. All safety equipment's to the workmen, safety rules & regulations are to be followed as per BHEL's Safety Rules & Regulations.
- d) BHEL will no way be responsible for any loss of life or any injury caused to any of the contractors or their crew while executing the above work at BHEL premises.

- 4.8.14** **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 labour engaged by him insured under workmen's compensation policy from General Insurance Corporation of India before actually starting the work of contract. 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.)

4.8.15 **COVERAGE UNDER THE ESI / PF ACT MISCELLANEOUS PROVISIONS ACT:**

- a) The contractor shall ensure that all his workmen are covered under the Employee's Sate Insurance Act and produce to BHEL such Registration number/ Enrolment Number before executing the contract work.
- b) The contractor shall regularly pay the amount by contribution i.e., employers contribution as well as employee's contribution in pursuance of the above scheme as fixed from time to time.

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

- c) The contractor shall ensure that his workmen are covered the PF & miscellaneous provisions Act 1952 and accordingly produce to the BHEL Management the Registration / Enrolment number before awarding of contract work.
- d) The Contractor shall within seven days of the close of every month submit to BHEL a statement showing the amount of contribution payable / paid for employees engaged by him or through him and shall also furnish to BHEL such information, as Principal Employer is required to furnish under the provisions of the ESI Act PF as well as the schemes made there under to the authorities concerned.
- e) Whenever any sum of money is found to be recoverable from or payable by the contractor, the same shall be deducted from any sum that may be due or which at any time thereafter may become due to the contractor under this contract or under any other contract or from his security deposit. In case the recoveries are not sufficient to satisfy the claims, the contractor shall pay the balance thereof on demand. In case any recoveries are made under this clause from the security deposit, the contractor shall immediately thereafter pay such further sum as may be required to replenish the shortage caused by such recoveries in the amount of security deposit.
- f) In case of non-compliance of the provisions of the Acts and in case BHEL having complied with the same BHEL will be entitled to recover the same from the contractor / sub-contractor.
- g) The contractor shall abide by all the labour and other laws applicable to contract labour / worker under this contract and shall at all-time keep BHEL Indemnified against all losses, claims, prosecutions under any law.
- h) Non exercise of any of the powers or rights available under any law, shall not in any way operate as waiver thereof.

4.8.16 SAFETY CONDITIONS: Tamil Nadu Factories Rules, 1950:

- a) 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.
- b) 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.
- c) 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.
- d) 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.

4.8.17 COMMON TERMS AND CONDITIONS FOR WORKS CONTRACT RELEVANT TO SAFETY:

- a) All the Contract employees should be trained on Safety and certified by Safety/BHEL. New employees should undergo Safety Training before take up the work, without Safety Training no contract person is allowed to do any work.
- b) Use of cell phones and other mobile electronic devices (including hands-free devices) in the work spot and during the operation of a vehicle in the BHEL premises is prohibited.
- c) Contractor employees working on BHEL premises must wear appropriate personal protective equipment. Strict adherence to all required Personal Protective Equipment (Helmet, Safety Shoes and Goggles) are mandatory, specific PPE requirements will be based on job type or tasks performed.
- d) Excessively loose-clothing, dhoti/Lungi is prohibited especially around rotating or moving equipment.
- e) The contractors work area should be kept clean and orderly, free of clutter and trash, so that work may proceed in a safe and orderly manner. Tools should be safely positioned during use and promptly put away when no longer required.
- f) Fire-fighting, emergency shutdown devices, and life-saving equipment, should not be blocked by the contractors and access to the path to this equipment should be maintained at all times.
- g) Only approved equipment should be used in locations where flammable mixtures are present. A Hot Work Permit is required when open flames, or electric arcs are in the work area and while handling flammable materials.
- h) Smoking is not allowed in work area.
- i) BHEL operate under a comprehensive Emergency Response Plan. Contractor should be aware of the site Emergency Response Plan and communicate that plan to all their employees.
- j) It is recommended that the contractor should know & display the emergency phone number like Fire, Ambulance, Safety, Security etc. at their work area.

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

- k) It is the responsibility of the contractor to understand and use the appropriate Work Permits and to verify any permit requirements at the location. Contractor must make necessary arrangements with their Representative to acquire appropriate authorization to perform those operations at the site.

4.8.18TERMS & CONDITIONS of the Contract shall be applicable to the extent that the condition therein do not supersede these special condition given below:

- a) The Contractor or his/ her crew should handle the machinery and other equipment's entrusted to them by BHEL with utmost care and return them safely after execution of stipulated work. The cost of damage, repair due to improper handling of machinery and equipment will be recovered from the contractor.
- b) Contractor shall supervise the work carried out by his/her employees.
- c) Contractor shall ensure that the employees deployed in the premises of BHEL are physically and mentally fit and do not have any criminal record. Such employees should possess requisite skill, proficiency, qualification, experience etc.
- d) Contractor shall maintain appropriate records of his/her employee's deployed carry out the job(s).
- e) Contractor will be responsible for the good conduct of his/her employees. In case any misconduct/ misbehaviour by any employee, the contractor will replace such employee(s) immediately.
- f) Contractor will ensure that the job is executed through his/her employees only and under any circumstances; the contractor will neither deploy any casual employee to carry out the job nor shall subcontract the job without prior written permission.
- g) Contractor shall be solely responsible for non-payment / delayed payment of minimum contribution under EPF & MP Act, ESI Act, Bonus, etc.
- h) In case, the contractor fails to make payment of wages to his/her employees or remittance of contribution to the concerned authorities, the security deposit / other dues / running bills under the contract can be utilized by BHEL to discharge the liability of the contractor.
- i) The liability for any compensation on account of injury sustained by an employee of the contractor will be exclusively that of the contractor.
- j) Contractor shall observe provisions of the Factories Act, 1948 in respect of working hours, holidays, rest intervals, leave and overtime to his/her employee. No work shall be done on second / third shift, overtime, Sundays or on other declared holidays without proper permission.
- k) The Contractor should maintain a 'Work Diary' containing the details of work executed by him from time to time on Shift/ Daily basis and obtain the signature from official concerned nominated for this purpose for having executed the work correctly and satisfactorily.
- l) The proof of execution of work should be submitted along with each bill (printed form with covering letter and proof for execution of work).
- m) Necessary gate entry pass will be issued by BHEL Security Department for Contract Workmen based on your application duly forwarded by the Contract Executing Department and approved by HR/ Welfare/ Contract Cell on fulfilment of the Statutory Obligation by the Contractor. In order to ensure compliance to Minimum Wage payment to all workmen entering the factory premises, the entry of manpower shall be regulated based on the quoted/awarded value and the prevailing minimum wages.
- n) In the event of termination of contract for any reason whatsoever, the contractor shall withdraw all his/her employees from the establishment of BHEL. In case, contractor decides to terminate services of his/her employees, he should settle all terminal dues including retrenchment compensation.
- o) The Contractor has to equip himself with standard wire ropes, nylon ropes, belt, lifting tackles, tools etc. In addition, BHEL will supply special type of wire ropes, lifting tackles, tools etc., to the Contractor free of cost as and when required if necessary.
- p) The contractor is directly responsible for injuries / death of vehicle driver or any person employed by him as well as to the third party occupants or other users arising due to accident or otherwise of vehicle during the contractual period. At any point of time, BHEL will not be responsible for any loss / damage either to the person or to the vehicle arising out of accident of the vehicle for performing the contractual obligations.
- q) Any damage to BHEL materials due to rough and faulty handling by the contractor's men will have to be made good by the contractor to BHEL. Similarly, if any damage caused to BHEL equipment's/installation, property of third party in the course of work by the contractor's men, the same shall be made good by the contractor.
- r) The workmen engaged under this contract should not be permitted to stay inside BHEL complex after completing their day's work. It will be the responsibility of the contractor to take the labourers out of BHEL Complex as soon as their day's work is over.
- s) WCM will be arranging the contract. User Department is to be approached by the contractor regarding execution of work, Bill Certification, Bill processing / passing, Payment, Penalty, Contract closing etc.



Tender No.: 9472100023

February 25, 2021

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

4.8.19 BIDDER DECLARATION:

We declare that we 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.

ANNEXURE – I**E-PAYMENTS**

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

STEP BY STEP PROCEDURE:

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

1. Select 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.
6. In the next page, take print out of receipt.

**ANNEXURE – II****(TO BE SUBMITTED ON CHARTERED ACCOUNTANT LETTER HEAD)**

This is to Certify that M/s
(herein after referred to as 'company') having its registered office at is
registered under MSMED Act 2006, Entrepreneur Memorandum No. (Part – II) OR (UAN).....
Dtd:, Category: (Micro / Small). (Copy enclosed).

Further Verified from the Books of Accounts that the investment of the company as per the latest audited financial
year as per MSMED Act 2006 is as follows:

1. For Manufacturing Enterprises: Investment in plant and machinery (i.e. original cost excluding land and
building and the items specified by the Ministry of Small Scale Industries vide its notification No. S.O.1722 (E)
dated October 5, 2006:

₹ Lakhs

2. For Service Enterprises: Investment in equipment (original cost excluding land and building and furniture,
fittings and other items not directly related to the service rendered or as may be notified under MSMED Act,
2006:

₹ Lakhs

(Strike off whichever is not applicable)

The above investment of Lakhs is within permissible limit of Lakhs
for..... Micro / Small (Strike off whichever is not applicable) Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro/Small) (Strike off whichever is not applicable) and
the date of graduation of such enterprise from its original category is (dd/mm/yyyy) which is within the
period of 3 years from the date of graduation of such enterprise from its original category as notified vide S.O. No.
3322 (E) dated 01.11.2013 published in the gazette notification dated 04.11.2013 by Ministry of MSME.

Date:

(Signature)

Name –

Membership Number –

Seal of Chartered Accountant



ANNEXURE-III

(TO BE AGREED IN EPROCUREBHEL.CO.IN PORTAL)

No Deviation Declaration

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

- I/ We unconditionally agree to all the tender conditions and no new conditions are imposed by us in the technical / price bid. I understand in the event of imposing any condition in the technical / price bid, such condition would be ignored by BHEL and only the prices will be considered for the purpose of evaluation”
- I/ We confirm that none of our group concern or affiliates etc., appears on the list of banned firms / companies by BHEL (list available on www.bhel.com) nor any of the Director / Partner / proprietor of bidder / such group concern or affiliate etc. are involved with such company.
- I/ We also declare that, we have not been suspended or black listed or issued with Show Cause Notice by BHEL- Trichy or any other BHEL Unit or any PSU/ Government organization.
- I/ We confirm that other than us, none of our group concerns or affiliates etc. are participating in the tender either directly or indirectly through any other agency under same proprietor / common director(s) / common partner(s).
- I/ We confirm that if any of the above statement / information furnished by us in this tender is found to be false/ fake at any stage of tender evaluation or during execution of contract, BHEL will have the right to initiate appropriate action including legal proceeds / termination of contract, recovery of damages, penalties etc. as deemed fit.

Yours Sincerely,

Signature of the Bidder with date & Seal



THIRD PARTY NON-DISCLOSURE AGREEMENT

(TO BE STAMPED & SIGNED AND UPLOADED IN E-PROCUREBHEL.CO.IN PORTAL)

I, _____, on behalf of the _____ (Name of Company), acknowledge that the information received or generated, directly or indirectly, while working with BHEL, Trichy on contract is confidential and that the nature of the business of the BHEL, Trichy is such that the following conditions are reasonable, and therefore:

I warrant and agree as follows:

I, or any other personnel employed or engaged by our company, agree not to disclose, directly or indirectly, any information related to the BHEL, Trichy Without restricting the generality of the foregoing, it is agreed that we will not disclose such information consisting but not necessarily limited to:

☐ Technical information: Methods, drawings, processes, formulae, compositions, systems, techniques, inventions, computer programs/data/configuration and research projects.

☐ Business information: Customer lists, project schedules, pricing data, estimates, financial or marketing data,

On conclusion of contract, I, or any other personnel employed or engaged by our company shall return to BHEL, Trichy all documents and property of BHEL, Trichy, including: drawings, blueprints, reports, manuals, computer programs/data/configuration, and all other materials and all copies thereof relating in any way to BHEL, Trichy 's business, or in any way obtained by me during the course of contract. I further agree that I, or any others employed or engaged by our company shall not retain copies, notes or abstracts of the foregoing.

This obligation of confidence shall continue after the conclusion of the contract also.

I acknowledge that the aforesaid restrictions are necessary and fundamental to the business of the BHEL, Trichy and are reasonable given the nature of the business carried on by the BHEL, Trichy I agree that this agreement shall be governed by and construed in accordance with the laws of country.

I enter into this agreement totally voluntarily, with full knowledge of its meaning, and without duress.

Dated at _____, this ____ day of _____, 20__.

Name

Company

Signature



Tender No.: 9472100023

February 25, 2021

SERVICE CONTRACT FOR NDE OF U-TUBES AT BHEL-TRICHY FOR 2021-23

Annexure-IV
PART-II (PRICE BID)
(FOR REFERENCE ONLY)

(Vendor to quote the price in eprocurebhel.co.in portal)

S. No	Description							
1	Vendor has to quote Lump sum value Excluding GST as detailed below					(UoM)	Qty (Lumpsum value)	Lump sum Value (Excluding GST)
	S N	Details	Tentative Qty.	UNIT	% allocation on quoted lump sum Value			
	1	Raw material Straight/U-Tubes by ECT Bobbin Probe	9000	Nos	49.54%	Lump sum value	1	To be quoted in eprocurebhel.co.in portal. Lump sum Value (Excluding GST)
	2	PSI ECT by Bobbin Probe	7500	Nos	41.29%			
	3	ECT by Encircling probe	500	Nos	3.67%			
	4	ID Inspection by UT by IRIS Probe	500	Nos	5.50%			

Note: 1. GST% will be taken from Vendors' technical bid data

4.8.20 Illustration of rate allocation (sample only): Assume that there are two items in BOQ. The respective quantity and percentage allocation is specified as given below:

Item	Quantity	% Allocation
10	12,130	97.51 %
20	302	2.49 %

Suppose if the amount quoted by the bidder is ₹10,00,000 /- for the entire package for the quantity given in the above table, the amount allocated for item 10 would be 97.51 % x ₹10,00,000 = ₹9,75,100 /- and the rate for the item 10 would be ₹9,75,100 / 12,130 (Qty.) = ₹80.38 / -.

Similarly, the rate for item 20 would be 2.49 % x ₹10,00,000 = ₹24,900/- and the rate for the item 20 would be ₹24,900 / 302 (Qty.) = ₹82.45 /-.

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 bidder. Rates so arrived by BHEL will be final and binding on the contractor.