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## BHARAT HEAVY ELECTRICALS LIMITED

High Pressure Boiler Plant, Tiruchirappalli- 620014

Maintenance & Services Dept. (FB)

☎: (0431) 257-5010

e-mail: [umadsankar@bhel.in](mailto:umadsankar@bhel.in)

Enq. No: 9242000007

30.01.2020

### NOTICE INVITING TENDER

Dear Sir/ Madam,

Subject: Two Part Tender Inviting Techno-commercial and Price Bids for **“Testing of 2 X 50T LPG bullets, safety valves and issuance of certificate as per SMPV(U) rules of the CCOE, Nagpur”**. Please submit your competitive offer for the above subject work as per the conditions given in the WORK/ RATE SCHEDULE and tender conditions enclosed along with the tender.

01.	Name of work	Testing of 2X 50T LPG bullets, safety valves and issuance of certificate as per SMPV(U) rules of the CCOE, Nagpur
02.	Earnest Money Deposit (EMD)	₹ 6400/-
03.	Duration of the contract	6 Months (From the date of commencement of the work)
04.	Enquiry No. & Date	9242000007, dt.30.01.2020
05.	Last Date for Receipt of Tender	14.00 Hrs. on 21.02.2020
06.	Date of Technical Bid Opening	14.30 Hrs. on 21.02.2020
07.	Date of Price Bid Opening	Will be intimated to those who are Qualified separately.
08.	Guarantee Period	Not applicable

1. The Tender documents can be downloaded from BHEL website ([http://www.bhel.com/tender/tender\\_home.php](http://www.bhel.com/tender/tender_home.php)) free of cost.
2. Tender document contains **15 Pages** (Technical & Commercial Bid – 09pages, Schedule for Price Bid 01 page, Sample format for CA certificate – 01 page).
3. The duly filled Tender should be addressed to:

**THE DEPUTY MANAGER,  
MAINTENANCE & SERVICES / CONTRACTS,  
2&4 BUILDING, BHARAT HEAVY ELECTRICALS LIMITED,  
HIGH PRESSURE BOILER PLANT,  
TIRUCHIRAPPALLI, TAMILNADU - 620014.**

### Special Instructions:

Tender of the following work should be submitted in a sealed cover super- scribing the NAME OF WORK, ENQUIRY NUMBER, etc., consisting of **three inner sealed covers** super-scribed such as **1) EMD cover, 2) Technical bid cover & 3) Price bid cover**.

- 1) EMD cover shall contain EMD of ₹6400/- Mode of Payment of EMD: (a) e-Collect mode (as directed in Commercial T & C) or (b) Banker's cheque/ Pay Order/ DD in favour of BHEL or (c) Fixed Deposit Receipt (FDR) issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies act (FDR should be in the name of the Contractor, a/c BHEL). EMD shall not carry any interest.
- 2) Bidders registered as **MSE (UAN) / NSIC / SSI** are exempted from paying EMD subject to submission of valid Registration document along with Tender. These bidders can avail EMD Waiver benefits only if they submit in EMD cover along with the offer, attested copies of either valid **EM-II** Certificate (five years from the date of issue of acknowledgement in EM-II or else, with attested copy of a CA Certificate in Enclosed Format) or **MSE (UAN- along with CA certificate** in attached format)/ valid **NSIC / SSI** certificate.

**3) Tenders without EMD/ MSE/ NSIC/ SSI/ EM-II proof as above will be summarily rejected and the Technical**



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**bid & Price bid shall not be considered for further evaluation.**

- 4) Technical bid cover shall contain duly filled in Technical bid document signed by the tenderer in all the pages with documentary evidences for **Pre-Qualification Criteria (PQC)**. Any bid without proper documentary evidence for PQC shall not be considered for further evaluation.
- 5) One set of unpriced bid of Contract Work Schedule **duly filled & signed** by the tenderer for accepting the work content (Bill of Quantity- BoQ), should be submitted along with the Technical bid for technical evaluation. All the corrections / cancellations / insertions, if any, shall be duly attested by the Bidders concerned.
- 6) 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.
- 7) All entries in the tender documents should be in one ink. Erasures, and overwriting are not permitted. All cancellations, and insertions should be duly attested by the tenderers concerned.
- 8) Offer should be **valid** for a period of **120 (One Hundred & Twenty) days** from Techno-commercial bid opening date.
- 9) The Bidder shall sign each and every page of tender documents, and affix seal for having accepted the conditions.
- 10) Tender can be cancelled at any stage due to unavoidable circumstances.
- 11) **Forfeiture of EMD:** EMD paid by the Tenderer will be forfeited as per Tender Documents if:
  - I. After opening the tender and within the offer validity period, the tenderer revokes his tender or makes any modification in his tender which is not acceptable to BHEL.
  - II. The Contractor fails to deposit the required Security deposit or commence the work within 15 days of LOI/ WO/ Contract.
- 12) I. EMD given by all unsuccessful tenderers shall be refunded after of award of work/ after offer validity period.  
II. EMD shall not carry any interest.  
III. EMD of successful tenderer will be retained as part of Security Deposit.
- 13) The price bid cover shall contain price bid document in prescribed format **duly filled & signed by the tenderer** in all the pages. Care should be taken to fill the price bid without any overwriting & correction. Correction, if any, shall be duly attested by the Bidders concerned.
- 14) Clarification if any can be obtained from the Deputy Manager/ Contracts/ M&S, BHEL, Trichy.
- 15) The complete Technical bid and price bid along with requisite **EMD of ₹ 6400/-** shall reach the office of the undersigned on or before **21.02.2020** at 14.00 Hrs.
- 16) The Technical bid will be opened on the same day at 14.30 hrs. In case of opening day falls on holiday or happened to be declared as a holiday the due date of receipt of offers and opening of the tender shall automatically fall on the same timing of the next working day unless intimated otherwise. Date and time of opening of the Price Bid shall be intimated only to the bidders those who have qualified after evaluation of the Technical bid. You / Your authorized representative may participate in the tender opening.

Encl:

- 1) NIT – Notice Inviting tender (Consists of Preamble, Technical Bid & Price bid Schedule)
- 2) CA certificate – Sample Format



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### PRE-QUALIFICATION CRITERIA

**NAME OF WORK: Testing of 2 X 50T LPG bullets, safety valves and issuance of certificate as per SMPV(U) rules of the CCOE, Nagpur**

**Ref: Enquiry no: 9242000007: dt. 30.01.2020; Due DT: 21.02.2020, 14.00 Hrs**

The following eligibility criteria shall be complied to fulfill the Technical bid:

Sl. No	Description	Vendor to confirm
1	Only those Bidder, who have minimum two-year experience in Testing of LPG bullets, Safety Valves and Issuance of Certificate as per SMPV(U) rules of the CCOE, Nagpur are eligible to participate in the tender. Documentary proofs/Xerox copies proving the same are to be enclosed. Otherwise offer is liable for rejection. Experience proof from other than BHEL shall contain work order copy along with Form 26AS / TDS certificate / bank statement for payment from the organisation. Otherwise the offer shall be rejected Bidder to confirm	
2	The bidder should have the valid explosives inspectorate authorisation letter for carrying out the tests in LPG installation and submit the same. The authorisation letter should indicate clearly the validity period or the due date for renewal as per the safety audit requirements.	
3	Name and contact details like E-mail, Phone number, Fax no, etc. of the customer/ company where the maintenance contract is executed. Bidder to give details.	
4	(i) BHEL Vendor code (if applicable) - (ii) PAN Number (Copy to be Enclosed) – (iii) GST registration Number (Copy to be Enclosed) – (iv) Mobile number (Which is linked to GST registration Number) – (v) Email id (Which is linked to GST registration Number) – (vi) SAC Code - Offer will be entertained only if the bidder submit the details as above & has a valid GST registration no. If any specific exemption is available, a declaration with due supporting documents need to be furnished for considering the offer. Otherwise the offer shall be rejected.	
5	Acceptance for Scope of Work as per the Enquiry.	
6	Acceptance for All Terms & Conditions as per the Enquiry; viz. Safety, LD/Penalty, Risk Purchase, Suspension of Contract, Indemnity, BHEL Fraud Prevention Policy, etc. as given in “General Terms & Conditions”.	
7	BHEL may verify the information provided by vendor. In case the information provided by vendor is found to be false / incorrect, the offer shall be rejected. Bidder to confirm.	



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### SCOPE OF WORK

**NAME OF WORK:** Testing of 2 X 50T LPG bullets, safety valves and issuance of certificate as per SMPV(U) rules of the CCOE, Nagpur

**Ref: Enquiry no: 9242000007: dt. 30.01.2020; Due DT: 21.02.2020, 14.00 Hrs**

Sl.No	SCOPE OF WORK	Qty
10	HT OF LPG BULLET-1(PV-1262) and SRVs	1 AU
	<p>Testing, Supervising, Witnessing and Certifying the Hydro Testing, Ultrasonic Testing for Wall Thickness, for the LPG Bullet 1- PV-1262 of 50 MT capacity, installed at LPG YARD (MHD Campus) of Unit II/BHEL, Trichy and also Testing of safety valves and issuance of certificates.</p> <p><b>DETAILS OF LPG BULLETS:</b></p> <p>CAPACITY : 50 MT Length : 16.250 metres Diameter : 3.025 metres Total No. of safety valves : 3 Nos</p> <p><b>COMMON SPECIFICATION</b></p> <p>Sequence of Activities to be carried out during testing Degassing the vessel to make gas free for man entry. Foundation settlement checking during initial water filling and water draining. Vessel Entry and cleaning inside of vessel and disposal of sludge/scales outside at shown location. Construct scaffolding inside bullet in such a way that all weld joints will easily accessible for inspection. Surface preparation for NDT, visual inspection &amp; NDT as per standard, Remove scaffolding after satisfactory completion of NDT. Hydro test of Bullets as per Rule 19 of SMPV(U) Rules, 1981, Safety Valve testing as per Rule 18 of SMPV (U) Rules, 2016. Leak testing and purging. Commissioning of Bullet.</p> <p><b>Technical Details of LPG Bullet is given in Annexure-1</b></p> <p><b>CONSULTANT'S SCOPE OF WORK:</b></p> <p>1. Testing, Supervising, Witnessing and certifying that include the Hydraulic testing, Non Destructive Tests comprising of Ultrasonic thickness measurement check evenly spread over the entire inner surface including both dish ends and the openings, 100% Wet fluorescent magnetic particle test of all weld joints, Ultrasonic flaw detection of welds not less than 25% of weld seams including all the T-joints of middle circumferential seams and both dish ends weld seams &amp; nozzle joints, Liquid penetrant inspection of all the fillet welds, nozzle joints, Hardness test on circumferential and longitudinal welds including parent metal and nozzle welds from inside, heat affected zone and the weld beads on all the plates. Issuance of certificates for the above work should be completed for PV-1262 before 21.05.2020, PV</p>	



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	<p>1263 before 13.08.2020 and SRV before 16.04.2020 as per SMPV (U) Rules of the CCOE, Nagpur.</p> <p>2. The Consultant has to make visit to BHEL Trichy before testing of Hydro testing &amp; witnessing, NDT &amp; UT Testing of LPG Bullet No.1 and 2 respectively. Clean the entire inner surface of the Bullet with Hand Tools (non-ferrous Metal like Brass only), Wire Brush, etc. to expose the metallic surface. All scales on the surface shall be removed and disposed at location shown by area supervisor.</p> <p>3.All the above testing is to be conducted well in advance before the expiry date/due date, for which advance intimation will be given by BHEL.</p> <p>4.The above works are to be Supervised, Witnessed and Certified by the tenderer who is a Recognised Competent Authority Under SMPV (U) Rules of the CCOE, Nagpur.</p> <p>5.The Rate is comprehensive inclusive of to and fro and lodging charges. No separate charges will be paid.</p> <p><b>BHEL SCOPE OF SUPPLY</b></p> <p>1.Welding machine with consumables will be provided by BHEL.</p> <p>2.BHEL will provide nitrogen gas for SRV testing at free of cost.</p> <p>3.BHEL will provide water and electricity at free of cost.</p> <p><b>GENERAL TERMS &amp; CONDITIONS FOR THE CONTRACTOR</b></p> <p>1.All necessary testing equipment including Hydro test pump, Ultrasonic testing equipment, MPI machine and O2 level instrument along with all required accessories should be arranged by contractor.</p> <p>2.The required lifting arrangement for man holes (eg: tripod, ropes and pulleys etc.) should be arranged.</p> <p>3. The metallic gaskets used in manholes of bullets to be replaced with new one by the contractor</p> <p>4.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.</p> <p>5.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.</p> <p>6.Contractors should supervise the work carried out by his employees.</p> <p>7.Contractors 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.</p> <p>8.Contractors shall maintain appropriate records of his employees deployed to carry out the job(s).</p> <p>9.Contractors will be responsible for the good conduct of his/her employees. In case of any misconduct/misbehaviour by any employee,</p>	
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	<p>the contractor will replace such employee(s) immediately.</p> <p>10. Contractor will ensure that the job is executed through his/her employees on and under no circumstances, the contractor will not deploy any casual employee to carry out the job nor shall subcontract the job without prior written permission.</p> <p>11. BHEL reserves the right to cancel and terminate the contract at any time without assigning any reason.</p> <p>12. The proof of execution of work should be submitted along with each bill (printed form with covering letter and proof for execution of work). List of major tools and tackles to be arranged by contractors &amp; to be maintained at site given in Annexure 2</p>	
<b>20</b>	HT OF LPG BULLET-2(PV-1263) and SRVs	<b>1 AU</b>
	<p>Testing, Supervising, Witnessing and Certifying the Hydro Testing, Ultrasonic Testing for Wall Thickness, for the LPG Bullet 2- PV-1263 of 50 MT capacity, installed at LPG YARD (MHD Campus) of Unit II/BHEL, Trichy and also Testing of safety valves and issuance of certificates</p> <p><b>DETAILS OF LPG BULLETS:</b></p> <p>CAPACITY : 50 MT</p> <p>Length : 16.250 metres</p> <p>Diameter : 3.025 metres</p> <p>Total No. of safety valves : 3 Nos</p> <p>TESTING OF LPG BULLETS AND ISSUANCE OF CERTIFICATE AS PER SMPV(U) RULES OF THE CCOE, NAGPUR.</p>	





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### **GENERAL TERMS AND CONDITIONS FOR M&S MECHANICAL CONTRACTS**

#### **1) SAFETY:**

a) Safety precautions have to be ensured by the Contractor Depending on the work. Necessary work permit system and personal protective equipment's (PPE) such as electrical resistance rubber gloves, helmet, spectacle goggles, safety shoes, safety belt, etc. as applicable to Mechanical works should be adhered while carrying out the work.

b) PPES for appropriate trade job has to be ensured by the contractor at the job site at all times.

c) The work nature may demand working at heights and/or at depth areas. Hence all staff members must be of sound Physical and Mental Health who can complete the job without harming himself and others.

d) In case any employee found incompetent to carry out the work as stated above/ misbehaving others/ consumed alcohol, he shall be sent out of the factory and the contractor has to arrange alternate manpower immediately. Else the day shall be marked absent.

2) Before quoting the bidders may inspect the site of work and its environments and be well acquainted with the actual working and other relevant conditions, position of materials and labour. Tenderers are also requested to go through General -Terms & conditions, Special -Terms & conditions of Contract, Scope of work, Technical Terms & Conditions, drawings and specifications and all other documents which form part of the agreement to be entered into.

#### **3) TENDERING CONDITIONS:**

a) The Bidders shall submit the offer in **TWO PART BID SYSTEM** (Part -I & II) along with EMD as indicated below which shall be sealed in ONE OUTER ENVELOPE.

b) Envelope I- This sealed envelope should contain all the copies of technical bid together with un-priced commercial bid. This envelope should be clearly marked "Part I - Technical and commercial bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder. Envelope I should contain sealed EMD cover indicating the enquiry detail.

c) Envelope II - This sealed envelope should contain price details. This envelope should be clearly marked as - "Part -II Price bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder.

d) Envelope III - This sealed envelope should contain requisite **EMD**. This envelope should be clearly marked as - "EMD COVER", indicating Enquiry No., Due Date and Address & Reference of the Bidder.

e) All the three envelopes shall be put in one cover, duly sealed, super scribing as offer for Enquiry No., and due date of opening, Name of the work and the address and reference of the Bidder.

f) The offer should reach this office on or before the due date by 14.00 Hrs. (IST). Late offers will not be considered.

g) Tender should not be addressed to any Individual's name but only by designation to:

THE DEPUTY MANAGER  
MAINTENANCE & SERVICES / CONTRACTS, 2&4 BUILDING,  
BHARAT HEAVY ELECTRICALS LIMITED, HPBP, TIRUCHIRAPALLI  
TAMIL NADU, INDIA - 620 014.

h) All entries in Tender documents shall be clearly written in one ink or typed. Tenders should be FREE FROM CORRECTION AND ERASURES, Corrections if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.

i) Offers should be in ENGLISH and accompanied by detailed Point to point confirmation of the scope of work.

#### **4) OPENING OF TENDERS:**

a) The Part I - Technical & un-priced commercial bid and EMD Cover alone would be opened on the Tender opening date (as mentioned in the enquiry) by 14.30Hrs(IST).

b) The Part II - Price bid of technically suitable Bidders alone would be opened. The Technically Suitable Bidders

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would be informed about the Price bid opening date.

c) Clarifications if any required by BHEL for Technical evaluation would be sought from Bidders before opening of Part II - price bid.

### 6. GST:

a) Response to Tenders for Indigenous supplier will be entertained only if the vendor has a valid GST registration No (GSTIN) which should be clearly mentioned in the offer. If the dealer is exempted from GST registration, a declaration with due supporting documents need to be furnished for considering the offer. Dealers under composition scheme should declare that he is a composition dealer supported by the screen shot taken from GST portal. The dealer has to submit necessary documents if there is any change in status under GST.

b) Supplier shall mention their GSTIN in all their invoices (incl. credit Notes, Debit Notes) and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No. which is linked/uploaded in GSTN network shall be clearly indicated), Billed to party (with GSTIN) & Shipped to party details, item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, Place of Supply etc.

c) All invoices shall bear the HSN Code for each item separately (Harmonized System of Nomenclature)/ SAC code (Services Accounting Code).

d) Invoices will be processed only upon completion of statutory requirement and further subject to following:

(i) Vendor declaring such invoice in Form GST ANX-1

(ii) Receipt of Goods or Services and Tax invoice by BHEL

e) As the continuous uploading of tax invoices in GSTN portal (in GST ANX-1) is available for all (i.e. both Small & Large) tax payers under proposed new GST Return System, all invoices raised on BHEL may be uploaded immediately in GST portal on 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).

f) In case of discrepancy in the data uploaded by the supplier in the GSTN portal or in case of any shortages or rejection in the supply, then BHEL will not be able to avail the tax credit and will notify the supplier of the same. Supplier has to rectify the data discrepancy in the GSTN portal or issue credit note or debit note (details also to be uploaded in GSTN portal) for the shortages or rejections in the supplies or additional claims, within the calendar month informed by BHEL.

g) In cases where invoice details have been uploaded by the vendor but failed to remit the GST amount to GST Department (Form PMT-08 or Form GST RET-01 to be submitted) within stipulated time, then GST paid on the invoices pertaining to the month for which GST return not filed by the vendor will be recovered from the vendor along with the applicable interest (currently 24% p.a) and all subsequent bills of the vendor will not be processed till filing of the GST return by the vendor

h) In case GST credit is denied to BHEL due to non-receipt or delayed receipt of goods and/ or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount claimed in the invoice shall be disallowed to the vendor.

i) Where any GST liability arising on BHEL under Reverse Charge (RCM), the vendor has to submit the invoices to BHEL well within the timeline prescribed in GST Law, to enable BHEL to discharge the GST liability. If there is a delay in submission of invoice by the vendor resulting in delayed payment of GST by BHEL along with Interest, then such Interest payable or paid shall be recovered from the vendor.

j) Under GST regime, BHEL has to discharge GST liability on LD recovered from suppliers/contracts. Hence applicable GST shall also be recoverable from suppliers/contractors on LD amount. For this Tax Invoice will be issued by BHEL indicating the respective supply invoice number.

k) GST TDS will be deducted as per Section 51 of CGST Act 2017 and in line with Notification 50/2018 – Central

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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.

### **7. LD/ PENALTY CLAUSE:**

If the contractor fails to complete the work as per terms & conditions of the order within the delivery schedule, 0.5% of the order value will be deducted from the bill/ recovered from the SD for each week of delay or part there of subject to a max. of 10% of the total contract value.

**8.** Successful bidders have to submit filled forms forwarded by BHEL HR, i.e. Form-III & Form-VII (shall be given with WO copy) & submit to ALC, Pondicherry for License before commencement of work.

### **9. RISK PURCHASE:**

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

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

### **10. SUSPENSION OF CONTRACT:**

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

### **11. INDEMNITY:**

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

### **13. BHEL FRAUD PREVENTION POLICY:**

The bidder along with its associate/collaborators/sub-contractors/sub-vendors/consultants/ service providers shall strictly adhere to BHEL fraud prevention policy displayed on BHEL website <http://www.bhel.com> & shall immediately bring to notice of BHEL management about any fraud/ suspected fraud as soon as it comes to their notice.

### **14. PF,ESI:**

The workmen of contractor should be covered under PF, ESI

### **15. DAMAGE & LOSS TO PRIVATE PROPERTY & INJURY TO WORKMEN**

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

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

a) Victim: Any person who suffers permanent disablement or dies in an accident as defined below.

b) Accident: Any death or permanent disability resulting solely and directly from any unintended and unforeseen injurious occurrence caused during the manufacturing/operation and works incidental thereto at BHEL

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factories/offices and precincts thereof, project execution, erection and commissioning, services, repairs and maintenance, trouble shooting, serving, overhaul, renovation and retrofitting, trial operation, performance guarantee testing undertaken by the company or during any works/during working at BHEL Units/Officers/townships and premises/Project sites

c) Compensation in respect of each of the victims:

(i) In the event of death or permanent disability resulting from Loss of both limbs: Rs 10,00,000/- (Rs Ten lakh)

(ii) In the event of others permanent disability: Rs.7,00,000/- (Rs. Seven Lakh)

d) Permanent Disablement: A disablement that is classified as a permanent total disablement under the proviso to section 2 (l) of the Employee's Compensation Act,1923"

### 16.ARBITRATION: -

a).All disputes between the parties to the contract, arising out-of or relating to the contract, other than those for which the decision of the EXECUTIVE/BHEL-TRICHY, or Accepting Officer or any other person is by the contract expressed to be final and conclusive shall after written notice by either party to the contract to the other party be referred to the sole Arbitration of GENERAL MANAGER or other Officers of BHEL appointed as Arbitrator, by the GENERAL MANAGER of BHEL in his sole discretion.

b).Unless the parties otherwise agree, such reference shall not take place until after the completion, alleged completion or abandonment of the work of the determination of the contract.

c) The venue of Arbitration shall be such a place or places as may be fixed by the Arbitrator in his sole discretion. The award of the Arbitrator shall be final, conclusive and binding on both parties to the contract.

### 17.PAYMENT THROUGH BANK:-

The contractor should remit the salary/wages for their workmen only through Bank. Monthly clearance will be given in respect of all contractors, if only the salary/ wages to the workmen has been remitted through the bank account of the contract workmen. The relevant Bank statement/proof for Bank payment should be produced along with PF and ESI challans to Welfare Section every month

### 18.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.

### 19.IMPORTANT NOTE:-

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

Sign & Seal of Contractor



An ISO: 9001  
Organization

# BHARAT HEAVY ELECTRICALS LIMITED

High Pressure Boiler Plant, Tiruchirappalli- 620014

Maintenance & Services Dept. (FB)

☎: (0431) 257-5010

e-mail: [umadsankar@bhel.in](mailto:umadsankar@bhel.in)

## COMMERCIAL TERMS AND CONDITIONS FOR M&S MECHANICAL CONTRACTS

- 1) 100% payment will be made after completion of work on pro-rata basis on submission of invoice in triplicate duly certified by Area In-charge.
- 2) Attendance register should be maintained.
- 3) Payment of **EMD** should be done in the methods given in Spl. Instructions, sl.no.1, page-1 of the NIT.
- 4) Mode of Payment of **Security Deposit**:
  - a) **Bank Guarantee** from Scheduled Banks/ Public Financial Institutions as per Companies Act. Bank Guarantee format should have approval of BHEL or
  - b) **Local Cheques** of Scheduled Banks (subject to realization)/ **Pay Order/ DD/ Electronic Fund Transfer** in favour of BHEL or
  - c) **Fixed Deposit Receipt (FDR)** issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies act (FDR should be in the name of the Contractor, a/c BHEL) or
  - d) **Securities available from Indian Post Offices**, i.e. National Savings Certificates, Kisan Vikas Patras, etc. (held in the name of Contractor furnishing the security & duly endorsed/ pledged, as applicable, in favour of BHEL). While making such payment, Enquiry number should be mentioned in Remark column.
- 5) **Procedure to remit money to BHEL Trichy's Account (e-Collect Mode):**  
 Login to : <https://www.onlinesbi.com/prelogin/icollecthome.htm?corpID=574693>
  - a) Accept the terms & conditions, click "PROCEED".
  - b) Select State "TAMILNADU" and Institution type "INDUSTRY". Select "BHEL TRICHY" under "INDUSTRY".
  - c) In the next page, select APPROPRIATE category, fill details correctly & click "SUBMIT".
  - d) If all details entered are correctly populated, click "CONFIRM" to proceed.
  - e) 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**).
  - f) SAVE & Keep the copy of receipt for future reference.
- 6) EMD & SD amount shall not carry any interest.
- 7) Security Deposit shall be furnished by the successful vendor to the total contract value before starting the work. 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.
- 8) **SD is forfeited** in case of any failure in execution of the contract or due to any shortcomings observed in the documentation furnished earlier for getting qualified or in case the Contractor is banned. GST will be charged on the 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
- 9) An additional payment as per circular ref. BHEL: HR: W: EW, dt.08.04.2014 is to be paid to the contract workmen as below, over and above the minimum wages prescribed by the government of Tamil Nadu:
 

Unskilled	- Rs.3200/-
Semiskilled	- Rs.3700/-
Skilled	- Rs.4100/-
- 10) Bonus @ 8.33 % to workmen to be paid.
- 11) **Rate should be quoted as per price bid format.**
- 12) The rate that is offered should be comprehensive and no separate charges will be made towards expenses like travel, boarding & lodging.
- 13) GST not to be included in quoted rate & to mention separately as percentage. Other taxes, if any, are inclusive.
- 14) Tax deduction will be made from every bill at the prevailing rate as per the Government rule and regulation from time to time.
- 15) Evaluation will be on overall L1 for all items as per price bid template. In case of tie in L1, price impact will be obtained. If still tie exist L1 bidder will be chosen by draw of Lot.

\*\*\*\*\*

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### SCHEDULE FOR PRICE BID

NAME OF WORK: Testing of 2 X 50T LPG bullets, safety valves and issuance of certificate as per SMPV(U) rules of the CCOE, Nagpur

Ref: Enquiry no: 9242000007: dt. 30.01.2020; Due DT: 21.02.2020, 14.00 Hrs

Sl. No	SCOPE OF WORK	Qty	UoM	RATE/ Unit	VALUE
10	HT OF LPG BULLET-1(PV-1262) and SRVs	1	AU		-NA-
20	HT OF LPG BULLET-2(PV-1263) and SRVs	1	AU		-NA-

- ❖ The bidder shall quote Rate/ Unit only.
- ❖ Value= Qty. x Rate/Unit
- ❖ GST not to be included in the quoted rate & to be mentioned as a percentage separately. Other taxes, if any, are inclusive.
- ❖ Cumulative L1 offer will be considered.

**\*\*Detailed scope of work and other terms and conditions are specified in the Technical Bid of the Tender**

Sign & Seal of Contractor

### Certificate by Chartered Accountant on Letter Head

This is to certify that M/s. \_\_\_\_\_ (hereinafter referred to as 'company') having its registered office at \_\_\_\_\_ is registered under MSMED Act 2006, (Entrepreneur Memorandum No (Part II)) \_\_\_\_\_ dt. \_\_\_\_\_, 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):

₹ \_\_\_\_\_ Lacs

**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 the MSMED Act 2006):

₹ \_\_\_\_\_ Lacs

**(Strike off whichever is not applicable)**

The above investment of ₹ \_\_\_\_\_ Lacs is within permissible limit of ₹ \_\_\_\_\_ Lacs for \_\_\_\_\_ Micro / Small (Strike off which is not applicable) Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro/Small) (Strike off which 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:

Name:

(Signature)

Membership number:

Seal of Chartered Accountant



## Annexure-1

### DETAILS OF LPG STORAGE BULLETS

#### 1.0 The major dimensions of the Storage Bullets are as follows:

SL No.	Mounded Storage tanks Details		Description
1	Equipment Name/Tag No.	:	(2*50 MT)LPG STORAGE TANK / PV-1262, PV-1263
2	Shell thickness (mm)	:	18mm
3	Dish end thickness (mm)	:	21.5mm
4	Internal shell diameter (mm)	:	2986mm
5	WL / WL length (mm)	:	14710mm
6	Overall length (mm)	:	16251mm
7	Paint thickness (micron)	:	450micron epoxy coal tar paint
8	Erection weight (MT)	:	25MT (each)
9	Operational weight (MT)	:	50MT storage capacity

#### 2.0 Materials of Construction:

SL No.	Mounded Storage tanks Details		Description
1	Design Code	:	IS 2825 1969-CL-I with latest amendment
2	Shell	:	SA 516 GR 70
3	Head	:	SA 516 GR 70
4	Nozzle flanges	:	SA 105
5	Nozzle Neck below 2" NB	:	SA 105
6	Nozzle Neck 2" NB & above	:	
7	Pipe fittings	:	SA 105
8	External studs / bolts / nuts	:	SA 105
9	Internal stiffness	:	SA 105
10	Wrapper plate / Reinforcement pad	:	SA 105

#### 3.0 Other design parameter

SL No.	Mounded Storage tanks Details		Description
1	Manufacturer Name	:	MFG by INDIAN SUGAR & GENERAL ENGINEERING and commissioning by SSQMSPL
2	Year of commissioning	:	MFG year - 1988 , commissioning - 2010
3	Design pressure kg/cm <sup>2</sup> (g)	:	17.6 kg/cm <sup>2</sup>
4	Design Temp. (C)	:	-6°C to +65°C
5	Corrosion allowance (mm)	:	1.50mm
6	Capacity (m <sup>3</sup> ) (Water Capacity)	:	1,10,000 litres
7	Hydrostatic test pressure (kg/cm <sup>2</sup> )	:	22.88 kg/cm <sup>2</sup>

#### 4.0 BLINDS REQUIRED FOR HYDROTESTING OF LPG STORAGE BULLET:

SL	DESCRIPTION OF BLINDS	Description
1	4" 300# blind flange	1 no/bullet
2	3" 300# blind flange	4 nos/bullet
3	2"300# blind flange	3 nos/bullet
4	20" 150# blind flange(Man hole)	1 no/bullet
5		
6		
7		

## Annexure-2

### LIST OF MAJOR TOOLS AND TACKLES TO BE ARRANGED BY CONTRACTORS & TO BE MAINTAINED AT SITE

SL	DESCRIPTION	Min. Qty. Required	Remarks
1	Ultra violet lamps (of 24 Volt or less)		
2	A.C. Yoke (of 42 Volt max.)		
3	Ultrasonic flaw detector		
4	Digital portable non-indentation type hardness tester		
5	Digital portable wall thickness meter		
6	LRUT equipment's		
7	Chain Block		
8	Brass Hammers		
9	Sling /D-Shackles and other rigging tools and tackles (Sling sizes upto 1" Dia in various length for each sizes)		
10	Pulleys and Ropes	3 inch blind flange	
		2 inch blind flange	
		1-1/2 inch blind flange	
		1 inch blind flange	
11	Welding machine (Generator & 2 nos. rectifier)		
12	Grinding machine with buffing wheels		
13	Air and water hoses		
14	Cutting set		
15	Spanner (Ring) with size 6 mm to 80mm in metric size and equivalent inch size		
16	Spanner (D) with size 6 mm to 80 mm in metric size & inch size		
17	Box spanner 30 mm to 80 mm & equivalent inch size		
18	Heavy duty sledge spanner 36 mm to 80 mm and equivalent each inch size (Ring type and D type)		
19	Pipe wrench with size upto 24"		
20	Adjustable wrench with various size upto 12"		
21	Allen key set (mm & inch size)		
22	a. Vernier (0-150mm) size		
	b. Micro meter (0-100 mm) size		
23	Dial Gauge with magnetic stand		
24	Tool box having chisel hack-saw frame and blade, brass hammer open and D Spanner size (6mm to 32mm), Pipe wrench slide wrench Star Screw Driver, small and big Screw driver, Allen Key set (mm & inch size), Shim Cutter, Punch, 12" Scale, 90 Deg. Angle, 3M ensuring tape, inside outside divider, Fine, medium and rough file (6" & 12") each		
25	Safety Helmet, Full Body Safety Harness, Safety Shoes etc.		
26	Any other tools and tackles required for the job		
27			
28			
29			

Note: BHEL shall provide power connection of 415, 3 phase, 250 A at one place in safe area (within 30 mts from Bullet) near Bullet for all electrical / NDT equipment's. The contractor has to make arrangements to carry the power to their requirement with supply of sufficient cable of appropriate size and sub distribution boards as per hazardous area safety rules and regulation. No loose connection or cable joints are allowed in the vicinity of LPG Bullet.