

Sl no	Particular	Estimated Volume for 2 years CC	QUOTED/NOT QUOTED (Rs Per CC)	HSN CODE	GST NUMBER	SGST%	CGST%
<b>1</b>	<b>CARBON STEEL</b>						
1A	Material removal for Carbon steel (Gouging, Grinding)						
1B	Material build-up for Carbon steel (Welding & Grinding)						
<b>Total</b>	<b>Welding repair of Carbon Steel Material (1A+ 1B)</b>	<b>1,33,013</b>					
<b>2</b>	<b>ALLOY STEEL</b>						
2A	Material removal for Alloy Steel (Gouging , Grinding )						
2B	Material build-up for Alloy steel (Welding&Grinding)						
<b>Total</b>	<b>Welding repair of Alloy Steel Material (2A+ 2B)</b>	<b>1,78,279</b>					
<b>3</b>	<b>C12A</b>						
3A	Material removal for C12A material (Grinding only ) (Removal of excess material using electric grinder only)	36,022					
<b>4</b>	<b>Total package (1+2+3)</b>	<b>3,47,314</b>					

SI no	Particular	Estimated Volume for 2 years CC	*										
			Up to 25 KG	26 KG TO 50 KG	51 KG TO 100 KG	101 KG TO 300 KG	301 KG TO 500 KG	501 KG TO 750 KG	751 KG TO 1000 KG	1001 KG TO 3000 KG	3001 KG TO 5000 KG	ABOVE 5000 KG	
<b>1</b>	<b>CARBON STEEL</b>												
1A	Material removal for Carbon steel (Gouging, Grinding)												
1B	Material build-up for Carbon steel (Welding & Grinding)												
<b>Total</b>	<b>Welding repair of Carbon Steel Material (1A+ 1B)</b>	<b>1,33,013</b>											
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2A	Material removal for Alloy Steel (Gouging , Grinding )												
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<b>Total</b>	<b>Welding repair of Alloy Steel Material (2A+ 2B)</b>	<b>1,78,279</b>											
<b>3</b>	<b>C12A</b>												
3A	Material removal for C12A material (Grinding only ) (Removal of excess material using electric grinder only)	36,022											
<b>4</b>	<b>Total package (1+2+3)</b>	<b>3,47,314</b>											
	<b>* REPAIR CHARGES PER PIECE - QUOTED / NOT QUOTED SHALL BE INDICATED</b>												

Sl no	Particular	Estimated Volume for 2 years CC	QUOTED PRICE IN FIGURES	QUOTED PRICE IN WORDS
				Rs Per CC
<b>1</b>	<b>CARBON STEEL</b>			
1A	Material removal for Carbon steel (Gouging, Grinding)			
1B	Material build-up for Carbon steel (Welding & Grinding)			
<b>Total</b>	<b>Welding repair of Carbon Steel Material (1A+ 1B)</b>	<b>1,33,013</b>		
<b>2</b>	<b>ALLOY STEEL</b>			
2A	Material removal for Alloy Steel (Gouging , Grinding )			
2B	Material build-up for Alloy steel (Welding&Grinding)			
<b>Total</b>	<b>Welding repair of Alloy Steel Material (2A+ 2B)</b>	<b>1,78,279</b>		
<b>3</b>	<b>C12A</b>			
3A	Material removal for C12A material (Grinding only ) (Removal of excess material using electric grinder only)	36,022		
<b>4</b>	<b>Total package (1+2+3)</b>	<b>3,47,314</b>		

SI no	Particular	Estimated Volume for 2 years CC	REPAIR CHARGES PER PIECE (AGAINST EACH CATEGORY & WEIGHT RANGE)									
			Up to 25 KG	26 KG TO 50 KG	51 KG TO 100 KG	101 KG TO 300 KG	301 KG TO 500 KG	501 KG TO 750 KG	751 KG TO 1000 KG	1001 KG TO 3000 KG	3001 KG TO 5000 KG	ABOVE 5000 KG
<b>1</b>	<b>CARBON STEEL</b>											
1A	Material removal for Carbon steel (Gouging, Grinding)											
1B	Material build-up for Carbon steel (Welding & Grinding)											
<b>Total</b>	<b>Welding repair of Carbon Steel Material (1A+ 1B)</b>	<b>1,33,013</b>										
<b>2</b>	<b>ALLOY STEEL</b>											
2A	Material removal for Alloy Steel (Gouging , Grinding )											
2B	Material build-up for Alloy steel (Welding&Grinding)											
<b>Total</b>	<b>Welding repair of Alloy Steel Material (2A+ 2B)</b>	<b>1,78,279</b>										
<b>3</b>	<b>C12A</b>											
3A	Material removal for C12A material (Grinding only ) (Removal of excess material using electric grinder only)	36,022										
<b>4</b>	<b>Total package (1+2+3)</b>	<b>3,47,314</b>										

**TERMS & CONDITIONS**

1. Repair of Valve castings inside BHEL premises in 3 identified locations.
2. Bidder to quote rate on “Rate/CC” of repair work separately for Carbon Steel and Alloy Steel, metal removal by gouging & grinding or grinding for Carbon steel & Alloy steel, grinding of C12A material, material build-up by welding and grinding for Carbon steel and Alloy steel as per BOQ in Annexure-A. And “Rate/Piece” of repair work separately for Carbon Steel and Alloy Steel, metal removal by gouging & grinding or grinding for Carbon steel & Alloy steel, grinding of C12A material, material build-up by welding and grinding for Carbon steel and Alloy steel as per BOQ in Annexure-A1
3. The price will be firm for a period of 2 years from the date of finalization of contract approval of the competent authority.
4. The work should be carried out within BHEL premises allotted to the contractor.
5. BHEL will provide the required space, power and compressed air.
6. BHEL will provide the movement facility for the castings weighing more than 1 MT.
7. The contractor has to arrange a temporary closed shed in the identified location in BHEL for carrying out the welding activities and proper storage of welding equipment and consumables. The approval for temporary shed in the new location will be obtained by Purchase department from concerned authority.
8. The jobs up to 1 MT for repair are to be collected from Stores/Shops to the identified repair shops in BHEL and after completion of repair duly certified by BHEL QC to return back to concerned Stores/Shops.
9. The contractors are to arrange necessary material handling facilities.
10. BHEL will negotiate/ Re-float the tender in case the quoted prices are not acceptable.
11. BHEL will enter into Rate Contract with L1 1 contractor alone.
12. Wherever the number of qualified responses (N) are three or more, the distribution shall be limited to (N-1) qualified responses.
13. Qualification:
  - a. Experience in steel casting repair under IBR inspection for a period of 2 years minimum.
  - b. The contractor should have a valid IBR approval for carrying repair of steel casting for past 2 years.
  - c. The contractor shall submit the necessary Authorisation / Approval Letter issued by Director of Boilers for permitting the contractor to carry out the repair of castings.
  - d. Past experience in repair of castings is to be supported with necessary documentation - Customer details and validity of IBR approval during that period.
  - e. Minimum 1 IBR Qualified welder for Alloy Steel (WC6&WC9) & ASME SEC IX Qualified welder along with supporting manpower to carry out the job.
  - f. Welder qualification with IBR, ASME SEC IX and IBR approval for carrying out repair of steel castings should be kept valid throughout the contract period.
  - g. The contractor should arrange at his own expense, the welding power source for Welding and gouging, approved welding consumables, tools, tackles, consumables and tools for carrying out LPI.
  - h. Equipment for grinding and other operations should be arranged by contractor.

#### 14. Selection criteria:

- ⇒ Meet all qualification criteria (13a - 13h)
  - ⇒ Competitive rate
  - ⇒ If more than 1 contractors become L1 – Shortlisting will be based on Number of years of service in casting repair
  - ⇒ In case of two or more having same experience, the turnover in the last 2 years would be taken as the deciding criteria. The contractor with higher turnover would be considered for qualification.
  - ⇒ The L1 contractor will be arrived at, on comparison of cumulative prices quoted for total package. i.e., Carbon steel + Alloy steel+C12A. The purpose of getting separate prices in 1A, 1B, 2A, 2B & 3A is to allocate the work based on the nature of defect and rework required.”
15. Successful contractor(s) in the tender should obtain approval from BHEL for necessary WPS qualification **(Materials shall be arranged by contractors for WPS qualification)**
  16. PDO meeting convened by Stores will review the nature of defect and decides the scope of repair of the castings received through SPDO from Sub-contracting contractor and material received in PDO identified by Valves Production/OP&C/Buildings V & VI. Purchase/Valves will identify the repair shop and places service order on casting repair contractors based on the pending service order with them at the time of allotting.
  17. The work shall be completed considering the urgency of the shop requirement. The maximum period for completing the repair work is One week. In case of non-performance, the work shall be cancelled and re-allotted to other repair contractor. The contractor shall arrange his own BHEL approved electrodes, consumables and pre/post-heating facilities. The contractor to ensure sufficient man power for welder, fitter and grinder to complete the job in the stipulated time.
  18. The repair should be carried out in a sound manner strictly as per BHEL procedure for steel castings SIP: VS: 17(latest revision), and for OFE castings SIP: VS: 11(latest revision). If any defects are found in the repaired part, the same should be rectified without any extra charges. The repaired castings have to be cleared by our RM QC/OP&C.
  19. The contractor shall do the co-ordination with IBR, NDTL, Inspection and Stores for arranging repair work. After completion of repair work, the contractor shall prepare all related documents.
  20. Wherever the volume of repair is more than 50 CC, the repair volume will be certified by BHEL RM QC/OP&C of Bldg V & VI. If the repair volume is not certified by BHEL RM QC/OP&C of Bldg V & VI, the finalized “Rate/Piece” in Annexure B1 will be applicable against respective category
  21. The quoted prices for “Rate/CC” and “Rate / Piece” shall be inclusive of all i.e. material collection from respective stores/Production, doing repair work, offering to BHEL QC for inspection, movement to HT, on completion of HT returning the job to parent WARD/Production and other documentation work involved.
  22. After the inspection clearance, the castings have to be moved to HT (If applicable). After completion of HT, jobs shall be handed over to our Valves Production/OP&C/Bldg V & VI/Stores (Ward 20, 24, 33 & 35).
  23. The invoice may be submitted along with the volume reports certified by our QC / Valves Production / OP&C and delivery challan duly acknowledged by our Valves Production / Stores / OP&C.
  24. Payment will be made against the above invoice.
  25. The rework report should contain the following details.
    - i. Notification No.

- ii. DB No.
- iii. Date
- iv. Melt No. / RT No.
- v. Supplier Name
- vi. Description
- vii. Qty.
- viii. Volume
- ix. The nature of repair work carried out

23) The Notification number shall be punched on the casting after repair work is completed and accepted by RMQC and NDTL.

24) Contractors should keep the records of repair / IBR Certifications etc., for 3 years after repair.

25) 100% payment after 45 days from the date of submission of bills to Finance.

26) The Contractor shall follow the safety / environmental norms followed at BHEL and accommodate for all safety issues concerning to their employees. The contractor to provide safety equipment like safety shoes, Aprons, gloves, goggles etc.,

27) The Contractor is wholly responsible for the safety and well-being of the personnel hired by them to execute the contract.

28) Separate PF and Employees State & Central Insurance code must be available for the people working under the contractor (Ref Annexures G).

29) Special Provisions for Micro and Small Enterprises (MSE) bidders registered as per MSME act: 20% of the tendered quantity is earmarked for MSE suppliers in this tender. Out of the 20% tendered quantity reserved for MSE suppliers, 4% shall be earmarked for procurement from MSE owned by SC/ST entrepreneurs.

In case MSE vendor participating in the tender quotes within the price band of L1 + 15%, they will be allowed to supply the portion of the requirement subject to acceptance of L1 price by MSE vendor. In case of more than one such MSE, the supply shall be shared proportionately.

MSE suppliers can avail the intended benefits only if they submit along with offer, attested copies of either EM II certificate having deemed validity (Two years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with CA certificate (Format enclosed as per Annexure I) applicable for the year, certifying quantum of investment in plant and machinery within the permissible limit as per the act for relevant status (Micro or small) where the deemed validity of EM II is over. Date to be reckoned for determining the deemed validity will be the last date of technical bid submission. Non submission of such documents will lead to consideration of their bids at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE supplier till the supplier submits these documents. UAN Number and certificate also shall be submitted.

Certificate by Chartered accountant on Chartered Accountant's 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 ..... dated:..... Category:  
.....(Micro/Small) (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as on date .....  
As per MSMED Act 2006 is as follows:

Rs. .... Lacs

**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.

Rs.....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:

Rs. ....Lacs

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

Date:

(Signature)

Name:

Membership number:

Seal of Chartered Accountant:

**ENQUIRY INSTRUCTIONS**

1. Sealed tenders in two parts; Part-I: Pre-qualification & Techno-commercial bid and Part-II: Priced bid, are invited for entering into Rate Contract for valve casting repair work inside BHEL premises.

**The two bids should be submitted in separate inner envelopes duly mentioning the details as follows:**

Part	Bid	Superscription on envelope
I	Pre-qualification & Techno-Commercial Quotation in response to tender enquiry No. EN-VAL-OT-1011 Dt: 07.05.2018	PART-I "Pre-qualification & Techno-Commercial Bid" Tender Enquiry No. EN-VAL-OT-1011 Dt: 07.05.2018 Due date of opening: 22.05.2018 Sender:
II	Priced Quotation in response to tender enquiry No. EN-VAL-OT-1011 Dt: 07.05.2018	PART-II "Priced Bid" Tender Enquiry No: EN-VAL-OT-1011 Dt: 07.05.2018 Sender:

Both the sealed envelopes should be put in an outer envelope clearly mentioning Tender Enquiry No. and due date of opening & sender's address on it. Quotations shall reach us by 14.00 Hrs on 07.05.2018 at the below address

The Tender Opening Cell / Valves  
Room No. -26, Building -24  
Bharat Heavy Electricals Limited  
Tiruchirappalli - 620014, Tamilnadu, India  
Or  
Email ID: tender\_cell@bheltry.co.in

**Necessary Document to be submitted in Part-I:**

- ★ Authorisation/ Approval Letter issued by Director of Boilers for permitting the contractor to carry out the repair of steel castings.
- ★ IBR Qualification & ASME SEC IX qualification for minimum 1 welder for Alloy Steel (WC6, WC9, A487(M)GR4(C)60K, A487(M)GR4(D)75K).
- ★ Past experience in repair of castings is to be supported with necessary documentation - Customer details and validity of IBR approval during that period.
- ★ List of available equipment, tools and tackles necessary for carrying out repair work.
- ★ Un-priced bid with all taxes and duties (extra/inclusive) - % mentioned and other applicable commercial conditions.
- ★ Acceptance of all terms and conditions. Terms and conditions (Annexure-C) to be signed in all pages and sent back. **If nothing is mentioned for any terms and condition, it shall be concluded that the same is accepted.**
- ★ Filled in Annexure-A & A1 to be submitted mentioning "Quoted" or "regretted" against each line item.
- ★ Documents of the following statutory Codes
- ★ ESI Code.
  - P. F.Code No., GST No, HSN Code
  - Labour licence (Central & State Government) should be submitted before commencement of work.
  - PAN No. (In case not available, proof of having applied with Acknowledgement from concerned authorities)

**Document to be submitted in Part-II:**

**Rate per Cubic Centimeter (CC) & Rate Per Piece** of repair to be mentioned in figures as well as in words in the Bill of Quantity (Annexure – B & B1) respectively. **No other condition shall be mentioned.**

All amounts shall be indicated both in words as well as figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.



**BHARAT HEAVY ELECTRICALS LIMITED**  
**TIRUCHIRAPPALLI – 14**  
**HUMAN RESOURCE MANAGEMENT**

**CIRCULAR**

No. BHEL: HR: WEL: MW  
Date: 03.02.2018

**ALL CONTRACT EXECUTING/AWARDING OFFICIALS**


Sub. : Minimum Wages Act 1948 – Fixation of Minimum rates of wages for the employment in “General Engineering and Fabrication Industry” – Reg.

Ref. : Tamil Nadu Gazette No. 1 dated 03.01.2018

Consequent upon the changes in the Basic Wages and Dearness Allowances payable under the Minimum Wages Act to those employed in “General Engineering and Fabrication Industry”, the Minimum Wages payable by the Contractors to their workmen engaged in the following categories would be as follows with effect from 01/01/2018:

Sl. No.	Category	Minimum Basic Wages per day	Minimum DA per day	Total Minimum Wages per day	Minimum Basic Wages per month	Minimum DA per month	Total Minimum Wages per month
1	Unskilled Worker	Rs.258.50	Rs.163.00	Rs.421.50	Rs.7755.00	Rs.4235.00	Rs.11990.00
2	Semi-Skilled Worker	Rs.271.00	Rs.163.00	Rs.434.00	Rs.8130.00	Rs.4235.00	Rs.12365.00
3	Skilled Worker	Rs.278.50	Rs.163.00	Rs.441.50	Rs.8355.00	Rs.4235.00	Rs.12590.00
4	Supervisor				Rs.7660.00	Rs.4235.00	Rs.11895.00

Contract Awarding / Executing Executives are requested to instruct contractors about the above changes in the Tamil Nadu Government Minimum Wages.

  
SDGM (HR-Welfare and Recruitment)

Cc:  
DGM/HR/PC/Chennai  
DGM/HR/PPPU/Thirumayam  
AGM/Finance  
GM/Finance  
AGM/HR  
GM/HR

KRISHNAVENI SEKAR  
Sr. DGM (HR - Welfare & Recrt.)  
Bharat Heavy Electricals Limited  
Tiruchirappalli - 620 014.



**BHARAT HEAVY ELECTRICALS LIMITED  
TIRUCHIRAPPALLI – 14  
HUMAN RESOURCE MANAGEMENT**

**CIRCULAR**

No.BHEL: HR: WEL: MW  
Date: 03/02/2018

**ALL CONTRACT EXECUTING/AWARDING OFFICIALS**

Sub. : Minimum Wages Act 1948 – Fixation of Minimum rates of wages for the employment in “General Engg. and Fabrication Industry” – Reg.  
Ref. : Tamil Nadu Gazette No. 1 dated 03.01.2018

Consequent upon the changes in the Basic Wages and Dearness Allowances payable under the Minimum Wages Act to those employed in “General Engineering and Fabrication Industry”, the Minimum Wages payable by the Contractors to their workmen engaged in the following categories would be as follows with effect from 01/01/2018:

<b>Monthly Rate of Minimum Wages</b> (For persons engaged throughout the month)		<b>Daily Rate of Minimum Wages</b> (For persons engaged in casual or sporadic nature of jobs and where no off wages are paid)	
Basic wages @ Rs.258.50 per day (for 30 days – 258.50x30)	Rs.7755.00	Basic wages per day	Rs.258.50
Dearness Allowance per month	Rs.4235.00	Dearness Allowance per day (Rs.4235/26) (26 being the average number of working days in a month)	Rs.163.00
Total Minimum Wages for the month	----- Rs.11990.00	Total Minimum Wages for the day	----- Rs.421.50
Rounded off	<b>Rs.11990/-</b>	Rounded Off	<b>Rs.421.50/-</b>

Contract Awarding / Executing Executives are requested to instruct contractors about the above changes in the Tamil Nadu Government Minimum Wages.

  
**SDGM (HR-Welfare and Recruitment)**

**Cc:**  
DGM/HR/PC/Chennai  
DGM/HR/PPPU/Thirumayam  
AGM/Finance  
GM/Finance  
AGM/HR  
GM/HR

**KRISHNAVENI SEKAR**  
Sr. DGM (HR - Welfare & Rec't.)  
Bharat Heavy Electricals Limited  
Tiruchirappalli - 620 014.