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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: **9242000018**

**16.07.2020**

## NOTICE INVITING TENDER

Dear Sir/ Madam,

Subject: Two Part Tender Inviting Techno-commercial and Price Bids for **AMC FOR SHOT BLASTING MACHINES IN PRESS SHOP, BAY 12 AND THERMOPRESS SHOP**. 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	<b>AMC FOR SHOT BLASTING MACHINES IN PRESS SHOP, BAY 12 AND THERMOPRESS SHOP.</b>
02.	Earnest Money Deposit (EMD)	<b>₹ 9,566.00/-</b>
03.	Duration of the contract	1 Year (From the date of commencement of the work)
04.	Enquiry No. & Date	<b>9242000018, dt. 15.07.2020</b>
05.	<b>Last Date for Receipt of Tender</b>	<b>14.00 Hrs. on 07.08.2020</b>
06.	Date of Technical Bid Opening	14.30 Hrs. on <b>07.08.2020</b>
07.	Date of Price Bid Opening	Will be intimated to those who are Qualified separately.
08.	Guarantee Period	Not applicable

- 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.
- Tender document contains **21 Pages** (Technical & Commercial Bid – 17 pages, Schedule for Price Bid 02 pages, Sample format for CA certificate – 01 page).
- The duly filled Tender should be addressed to:

**THE ENGINEER,  
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**.

- EMD cover shall contain EMD of ₹ **9,566.00/-** 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. EMD shall not carry any interest.
- Bidders registered as **MSE (UAM/UDYAM) / 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 ₹9,566.00/-** shall reach the office of the undersigned on or before **07.08.2020** 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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### PQC & TECHNICAL BID

NAME OF WORK: **AMC FOR SHOT BLASTING MACHINES IN PRESS SHOP, BAY 12 AND THERMOPRESS SHOP.**

Ref: Enquiry no: 9242000018: dt. 15.07.2020; Due dt:07.08.2020, 14.00 Hrs

### PRE-QUALIFICATION CRITERIA

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

Sl. No	Description	Vendor to confirm
1	Only those BIDDER/SERVICE PROVIDER, who have minimum One-year experience in executing Maintenance Contract/ Fabrication/ Maintenance of Machine/Facilities in any engineering industry in the last five years (from the date of opening of tender) are eligible to participate in the tender. Bidder to confirm.	
2	Previous Work order copy of the above said work to be submitted along with offer. 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.	
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) HSN/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

Sl.No	SCOPE OF WORK	Qty
10	<b>AMC FOR BMD 50 THERMO PRESS SHOP</b>	
10/10	<b>Dust collector-Filters Cleaning</b>	2 SET
	<p>1. Dismantle all the covers over the dust collecting chamber.</p> <p>2. Dismantle all the 160 Nos. of filters and replace the filters with cleaned/Spare filters available near the machine. Before replacing it should be ensured that the rubber lining on the filters are not in damaged condition. If damaged the information should be given to the concerned supervisor.</p> <p>3. This dismantling and replacing of 160 no of filters to be completed in one day.</p> <p>4. Then transport the clogged filters to identified cleaning area and clean all the 160 Nos. of filters.</p> <p>4. After cleaning the filters at remote place, the filters to be stacked near the machine. This cleaning work to be completed within one-week time from the day of dismantling.</p> <p><b>Unit Of Measurement (UOM):-</b> For cleaning and replacement of 1 set (160 Nos.) of filters.</p>	
10/20	<b>Repair works in Screw Conveyor-long</b>	1 NO
	<p>The contractor has to do the following works:</p> <p>1. Dismantle the coupling/chain &amp; sprocket assembly from the screw conveyor end.</p> <p>2. Remove the shots and dismantle the Screw conveyor cover and do the repair work for the damaged portions in it.</p> <p>3. Remove and shift the damaged screw conveyor piece from the bunker to the top level and dismantle the connecting shaft and bolts.</p> <p>4. Remove the worn out shaft and bushes and replace by new one.</p> <p>5. Carry out the repair works in the screw conveyor blades.</p> <p>6. Replace the end bearing wherever required.</p> <p>7. Assemble the entire parts dismantled after repairing and ensure smooth running.</p> <p>8. Removing the shots from the screw conveyor and clear the shots from the floor are the scope of contractor.</p> <p>9. For attending the above repair work, the cross conveyor dismantling is needed, and the same has to be carried out by contractor. After completion of all the works the cross conveyor should be assembled back.</p> <p><b>UOM :-</b> For repairing 1 piece of Screw conveyor (around 3m length)</p>	
10/30	<b>Replacement / repair of weld mesh</b>	4 M2
	<p>Replacement of weld mesh and perforated plates inside the blasting chamber:</p> <p>1) The damaged weld mesh/perforated plates inside the blasting chamber are to be removed by gas cutting.</p> <p>2) The new weld mesh/perforated plates are to be positioned perfectly and welded in corners for retaining.</p>	

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	3) The damaged weld mesh/ perforated plates to be scraped and put inside the identified scrap bin, as instructed by the MMO supervisor. <b>UOM :-</b> For replacement of 1 sq. metre of weld mesh.	
10/40	<b>Repair works in Soundabarator</b>	3 NO
	1. The soundabarator unit to be dismantled from the machine by removing the bolt and nut assembly. 2. The pneumatic cylinder should be disconnected from the line for servicing. 3. The pneumatic cylinders to be serviced and should be made to move freely. 4. If the C cup in the soundabarator is found worn out, it should be repaired and reassembled. 5. The soundabarator unit and pneumatic cylinder should be assembled back and to be checked for smooth functioning. 6. If the pneumatic line was found damaged, it should be replaced with a new hose. <b>UOM :-</b> For repair of 1 Soundabarator unit.	
10/50	<b>Repair works in Wheelabarator</b>	3 NO
	1. The end covers of the wheelabarator unit should be removed. 2. The control cage and the side plates are to be removed. 3. The impeller unit should be removed wherever required. 3. Any worn out parts are to be replaced with new ones. 4. The blades are to be replaced, wherever required. 5. The wheelabarator unit should be assembled back in the machine and checked for smooth operations. 6. The control cage should be assembled back as per the MMO supervisors instructions. <b>UOM :-</b> For repair of 1 wheelabarator unit.	
10/60	<b>Welding / Patch work on the structural</b>	18 M2
	1.Welding / Patch-up work to be done with various thickness of plates on the shell plate of Blasting Chamber, pipe lines and other parts of shot blasting machine in case of any punctures or distortion in the shell plates. 2.Wherever required liner plates to be removed and refitted for welding inside the chamber. <b>UOM:</b> 1 Meter Sq. Welding / Patch-up work	
10/70	<b>Replacement of gear box drive Chains</b>	2 NO
	Replacement / servicing of Chains and sprockets: 1. Wherever link damage was found in the chain, new Link to be replaced. 2. The Chain has to be serviced by cleaning and greasing. 3. Worn out sprockets to be replaced by new one. 4. Wherever required dismantling and re-assembling of gear box to be carried out. 5. The coupling bolts replacing/tightening work to be done. 6. All the above points are applicable to the Chain drives at bottom screw conveying system and top of Elevator. <b>UOM :-</b> For servicing & mounting One No. of Chain drive.	

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10/80	<b>Replacement of new buckets in elevator</b>	10 NO
	<p>1) The contractor has to remove the damaged buckets in the bucket elevator by removing the bolts.</p> <p>2) Wherever the buckets or elevator are damaged at the fixing portion of the bolts, the holes to be repaired or new holes to be made for mounting the new buckets.</p> <p>3) After replacing the buckets the elevator belts are to be properly tightened.</p> <p><b>UOM</b> : Replacing one bucket.</p>	
10/90	<b>Weekly general checkup of the machine</b>	50 NO
	<p>The following works are to be carried out on all Sundays through-out the year except closed holidays:</p> <p>Check for alignment and looseness of all drive chains in the screw conveyor and the bucket elevator areas of the machine and correct the same. For checking the chains, chain guards are to be removed and the same should be assembled back after checking.</p> <p>Check all the drive belts of the wheelabrators and screw conveyors for any damage or looseness and inform the MMO supervisor for replacing them. For checking the belts, belt guards are to be removed and the same should be assembled back after checking.</p> <p>Remove one of the filters from the dust collector chamber and check for the level of the dust in the cartridge. After assessing the condition of the filter, it should be assembled inside the chamber. The condition of the filters should be reported to the MMO supervisor for carrying out the periodical cleaning of the filter elements.</p> <p>Remove the window of the bucket elevators and run both the bucket elevator once. If any buckets are found damaged it should be reported to the MMO supervisor.</p> <p>Check the oil level of all gear boxes in the machine and fill the same. Clean the shots and dust in all the gear box, coupling areas.</p> <p>Run the screw conveyors once and check for any abnormal sound or jerk, punctures in the conveyor covers, while running. The same should be reported to the MMO supervisor.</p> <p>The condition of weld mesh and perforated plates inside the blasting chamber should be checked and shall be reported to MMO supervisor.</p> <p>Check the condition of the impeller blades in all the wheelabrator units (3 Nos) and dust collector blower 1 no (any abnormal noise) inform the MMO supervisor for corrective action.</p> <p>Contractor should record all the conditions in the register provided by MMO and report as per instruction of supervisor.</p> <p><b>UOM</b> :-For One No. of Weekly general checkup.</p>	
10/100	<b>Replacement of new pipelines</b>	4 M
	<p>Replacement of new pipe lines: Size 60mm around</p> <p>1) Dismantle the Existing Pipe line by removing the bolts in the end flanges or by gas cutting.</p>	

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	2) End flanges/ bends are to be fabricated and welded to the new pipeline. 3) Reassemble the new pipe line and tight the flange bolts. 4) Wherever the flange gaskets are found damaged, it should be replaced by new one. <b>UOM :</b> For 1 Mtr. length of straight pipeline/one bend pipe.	
10/110	<b>Repair/Replacement of hoses</b>	4 M
	Repair/Replacement of hoses: Size 60mm around 1) Dismantle the Existing hose by removing the bolts/hose clips in the end flanges or by gas cutting. 2) End flanges/ bends/hose clips are to be fabricated and welded to the new hose. 3) Reassemble the new hose and tight the flange bolts. 4) Wherever the flange gaskets are found damaged, it should be replaced by new one. <b>UOM :</b> For 1 Mtr. length of straight hose/one bend hose.	
10/120	<b>Replacement of Rubber curtains-long</b>	10 NO
	1) The bend/damaged rubber curtains are to be removed. 2) The new curtains should be fixed in place of the old curtains by bolts with drilling holes. <b>UOM :</b> Replacing 1 No rubber curtains. Size around 4mx1m - 1 No	
10/130	<b>Repair works in chain conveyor</b>	5 M
	Repairs like straightening/replacing the chain conveyors in the mono rail by welding ,grinding, leveling to ensure proper movement of moving chain conveyors. <b>UOM :-</b> For repair/replacement of 1 metre length of chain conveyors.	
10/140	<b>Replacement of Ni-hard Plate</b>	5 NO
	1) Ni-hard Plate inside the blasting chamber should be replaced in case of worn-out/breakage. 2) The hook arrangement to be welded to the new plate and then the plate should be hanged in the chamber. <b>UOM :</b> Replacing/repair of one Ni-hard plate.	
10/150	<b>Servicing/Repair works in dust collector</b>	1 NO
	1. Properly clean the blowers before and after work. 2. Servicing/Repair works in dust collector blowers involves dismantling/fixing of pillow/Plummer blocks, bearings, shaft, impeller/fan blade, pulley belt and cover as a complete one. 3. If needed welding, gas cutting, grinding, lubrication & leveling to ensure proper/smooth rotation of blowers. <b>UOM :-</b> For 1 no Servicing/Repair works in dust collector blowers. <b>NOTE:</b> 1.Item 10 to 160 are inter related activities that has to be carried out on a BMD shot blasting machines located at THERMO PRESS SHOP. 2.The contractor shall report to the MMO supervisor immediately to attend the activities 20,40,50,70 and 130 if he finds any abnormalities in weekly general checkup.	

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20	<b>AMC FOR MEC SHOT PRESS SHOP &amp; BAY 12</b>	
20/10	<b>Dust collector-Filters Cleaning</b>	6 SET
	<p>1. Dismantle all the covers over the dust collecting chamber.</p> <p>2. Dismantle all the 72 Nos. of filters and replace the filters with cleaned/Spare filters available near the machine. Before replacing it should be ensured that the rubber lining on the filters are not in damaged condition. If damaged the information should be given to the concerned supervisor.</p> <p>3. This dismantling and replacing of 72 no of filters to be completed in one day.</p> <p>4. Then transport the clogged filters to identified cleaning area and clean all the 72 Nos. of filters.</p> <p>5. After cleaning the filters at remote place, the filters to be stacked near the machine. This cleaning work to be completed within one-week time from the day of dismantling.</p> <p>UOM:- UOM: - For cleaning and replacement of 1 set (72 Nos/64 Nos) of filters in Mecshot blasting stations at Press shop/Bay 12 respectively.</p>	
20/20	<b>Repair works in Screw Conveyors</b>	20 M
	<p>Repair works in Cross Screw Conveyor:</p> <p>The contractor has to do the following works:</p> <ol style="list-style-type: none"> <li>1. Dismantle the coupling/chain &amp; sprocket assembly from the screw conveyor end.</li> <li>2. Remove the shots and dismantle the Screw conveyor cover and do the repair work for the damaged portions in it.</li> <li>3. Remove and shift the damaged screw conveyor piece from the bunker to the top level and dismantle the connecting shaft and bolts.</li> <li>4. Remove the worn out shaft and bushes and replace by new one.</li> <li>5. Carry out the repair/welding works in the screw conveyor blades.</li> <li>6. Replace the end bearing wherever required.</li> <li>7. Assemble the entire parts dismantled after repairing and ensure smooth running.</li> <li>8. Removing the shots from the screw conveyor and clear the shots from the floor are the scope of contractor.</li> <li>9. For attending the above repair work, the cross conveyor dismantling is needed, and the same has to be carried out by contractor. After completion of all the works the cross conveyor should be assembled back.</li> </ol> <p>UOM :-</p> <p>Size of Screw Conveyor Varies from 1.2 m to 6m (Total 1.2mx4 Nos, 4m x 2 Nos, 1.7m x 12 Nos, 6m x 2 Nos in MEC SHOT at Press Shop &amp; Bay 12) at various locations in the machine.</p> <p>For repairing 1m length of Screw conveyor is considered as Unit of measurement.</p>	
20/30	<b>Replacement / repair of weld mesh</b>	30 M2
	Replacement of weld mesh and perforated plates inside the blasting chamber:	

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	<p>1) The damaged weld mesh/perforated plates inside the blasting chamber are to be removed by gas cutting.</p> <p>2) The new weld mesh/perforated plates are to be positioned perfectly and welded in corners for retaining.</p> <p>3) The damaged weld mesh/ perforated plates to be scraped and put inside the identified scrap bin, as instructed by the MMO supervisor.</p> <p>UOM :- For replacement of 1 sq. metre of weld mesh.</p>	
20/40	<b>Repair works in Soundabarator</b>	15 NO
	<p>1. The soundabarator unit to be dismantled from the machine by removing the bolt and nut assembly.</p> <p>2. The pneumatic cylinder should be disconnected from the line for servicing.</p> <p>3. The pneumatic cylinders to be serviced and should be made to move freely.</p> <p>4. If the C cup in the soundabarator is found worn out, it should be repaired and reassembled.</p> <p>5. The soundabarator unit and pneumatic cylinder should be assembled back and to be checked for smooth functioning.</p> <p>6. If the pneumatic line was found damaged, it should be replaced with a new hose.</p> <p>UOM :-For repair of 1 soundabarator unit.</p>	
20/50	<b>Repair works in Wheelabarator</b>	15 NO
	<p>1. The end covers of the wheelabarator unit should be removed.</p> <p>2. The control cage and the side plates are to be removed.</p> <p>3. The impeller unit should be removed wherever required.</p> <p>3. Any worn out parts are to be replaced with new ones.</p> <p>4. The blades are to be replaced, wherever required.</p> <p>5. The wheelabarator unit should be assembled back in the machine and checked for smooth operations.</p> <p>6. The control cage should be assembled back as per the MMO supervisors instructions.</p> <p>UOM :-For repair of 1 wheelabarator unit.</p>	
20/60	<b>Welding / Patch work on the structural</b>	45 M2
	<p>1.Welding / Patch-up work to be done with various thickness of plates on the shell plate of Blasting Chamber, pipe lines and other parts of shot blasting machine in case of any punctures or distortion in the shell plates.</p> <p>2.Wherever required liner plates to be removed and refitted for welding inside the chamber.</p> <p>UOM: 1 Meter Sq. Welding / Patch-up work</p>	
20/70	<b>Replacement of gear box drive Chains</b>	6 NO

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	<p>Replacement / servicing of Chains and sprockets:</p> <ol style="list-style-type: none"> <li>1. Wherever link damage was found in the chain, new Link to be replaced.</li> <li>2. The Chain has to be serviced by cleaning and greasing.</li> <li>3. Worn out sprockets to be replaced by new one.</li> <li>4. Wherever required dismantling and re-assembling of gear box to be carried out.</li> <li>5. The coupling bolts replacing/tightening work to be done.</li> <li>6. All the above points are applicable to the Chain drives at bottom screw conveying system and top of Elevator.</li> </ol> <p>UOM :-For servicing &amp; mounting One No. of Chain drive.</p>	
20/80	<b>Replacement of new buckets in elevator</b>	30 NO
	<ol style="list-style-type: none"> <li>1) The contractor has to remove the damaged buckets in the bucket elevator by removing the bolts.</li> <li>2) Wherever the buckets or elevator are damaged at the fixing portion of the bolts, the holes to be repaired or new holes to be made for mounting the new buckets.</li> <li>3) After replacing the buckets the elevator belts are to be properly tightened.</li> </ol> <p>UOM : Replacing one bucket.</p>	
20/90	<b>Weekly general checkup of the machine</b>	100 NO
	<p>Weekly general check up of the machine:</p> <p>The following works are to be carried out on all Sundays through-out the year except closed holidays:</p> <p>„Check for alignment and looseness of all drive chains in the screw conveyor and the bucket elevator areas of the machine and correct the same. For checking the chains, chain guards are to be removed and the same should be assembled back after checking.</p> <p>„Check all the drive belts of the wheelabrators and screw conveyors for any damage or looseness and inform the MMO supervisor for replacing them. For checking the belts, belt guards are to be removed and the same should be assembled back after checking.</p> <p>„Remove one of the filters from the dust collector chamber and check for the level of the dust in the cart ridge. After assessing the condition of the filter, it should be assembled inside the chamber. The condition of the filters should be reported to the MMO supervisor for carrying out the periodical cleaning of the filter elements.</p> <p>„Remove the window of the bucket elevators and run both the bucket elevator once. If any buckets are found damaged it should be reported to the MMO supervisor.</p> <p>„Check the oil level of all gear boxes in the machine and fill the same. Clean the shots and dust in all the gear box, coupling areas.</p> <p>„Run the screw conveyors once and check for any abnormal sound or jerk, punctures in the conveyor covers, while running. The same should be reported to the MMO supervisor.</p> <p>„The condition of weld mesh and perforated plates inside the blasting</p>	

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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)

	<p>chamber should be checked and shall be reported to MMO supervisor.</p> <p>„Check the condition of the impeller blades in all the wheelaborator units (10 Nos) and dust collector blower(any abnormal noise) inform the MMO supervisor for corrective action.</p> <p>„Contractor should record all the conditions in the register provided by MMO and report as per instruct ion of supervisor.</p> <p>UOM :-For One No. of Weekly general check up. (MECSHOT BLASTING STATION AT PRESS SHOP 1 NO &amp; BAY 12 -1 NO every week considered here)</p>		
20/100	<b>Repair works in 8" &amp; 12" pipeline</b>	15	M
	<p>Replacement /Repair works of pipe lines: Size 8" &amp; 12" pipeline around</p> <p>1) Dismantle the Existing Pipe line by removing the bolts in the end flanges or by gas cutting.</p> <p>2) End flanges/ bends are to be fabricated and welded to the new pipeline.</p> <p>3) Reassemble the new pipe line and tight the flange bolts.</p> <p>4) Wherever the flange gaskets are found damaged, it should be prepared/cut and replaced by new one.</p> <p>UOM : For 1 Mt r. length of straight pipeline/one bend pipe.</p>		
20/110	<b>Repair/Replacement of hoses/pipes</b>	5	M
	<p>Repair/Replacement of hoses/pipes: Size 60mm around</p> <p>1) Dismantle the Existing hose/pipes by removing the bolts/clips in the end flanges or by gas cutting.</p> <p>2) End flanges/ bends/clips are to be fabricated and welded to the new hose/pipe.</p> <p>3) Reassemble the new hose/pipe and tight the flange bolts.</p> <p>4) Wherever the flange gaskets are found damaged, it should be prepared/cut and replaced by new one.</p> <p>UOM : For 1 Mt r. length of straight hose/pipe &amp; one bend hose/pipe.</p>		
20/120	<b>Replacement of Rubber curtains</b>	50	SET
	<p>1) The bend/damaged rubber curtains are to be removed.</p> <p>2) The new curtains should be cut /prepared/fixd in place of the old curtains by bolts with drilling holes.</p> <p>UOM : Replacing 10 No rubber curtains = 1 set . Size around 1mx150mm -1 no at various locations in MECSHOT/PRESS SHOP &amp; BAY 12 machines.</p>		
20/130	<b>Replacement of Wire Brushes at roof</b>	20	NO
	<p>1) The contractor first removes the rubber sheet over the wire brush.</p> <p>2) The damaged wire brush to be removed by removing the fixing bolts.</p> <p>3) The damaged wire brush piece to be replaced by the new piece and to be bolted to the frame.</p> <p>4) Wherever the rubber sheets are found damaged new rubber sheets to be replaced.</p>		
20/140	<b>Replacement of Ni-hard Plate</b>	50	NO

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	<p>1) Ni-hard Plate inside the blasting chamber should be replaced in case of worn-out/breakage.</p> <p>2) The hook arrangement to be welded to the new plate and then the plate should be hanged in the chamber.</p> <p><b>UOM</b> : Replacing/repair of one Ni-hard plate.</p>		
20/150	<b>Repair works in dust colt bottom valve</b>	1	NO
	<p>1. Properly clean the valves before and after work.</p> <p>2. Servicing/Repair works in dust collector valves involves removal, repair &amp; servicing, fixing of rotary valves. If needed new valves to be fixed.</p> <p>3. If needed welding, gas cutting, grinding, lubrication to ensure proper/smooth working of valves.</p> <p><b>UOM</b> :-For 1 no Servicing/Repair works in dust collector valves</p>		
20/160	<b>Servicing/Repair works in dust collector</b>	1	NO
	<p>1. Properly clean the blowers before and after work.</p> <p>2. Servicing/Repair works in dust collector blowers involves dismantling/fixing of pillow/Plummer blocks, bearings, shaft, impeller/fan blade, pulley belt and cover as a complete one.</p> <p>3. If needed welding, gas cutting, grinding, lubrication &amp; leveling to ensure proper/smooth rotation of blowers.</p> <p><b>UOM</b> :-For 1 no Servicing/Repair works in dust collector blowers</p>		
20/170	<b>Repair works in dust collector conveyor</b>	1	NO
	<p>1. Properly clean the conveyor before and after work.</p> <p>2. Servicing/Repair works in dust collector conveyor involves dismantling/fixing of conveyor belt, pillow/Plummer blocks, bearings, shaft, pulley belt, cover, drive gear box, rollers removal, repair &amp; servicing.</p> <p>3. If needed welding, gas cutting, grinding, lubrication &amp; leveling to ensure proper/smooth rotation of conveyor.</p> <p><b>UOM</b> :-For 1 no Servicing/Repair works in dust collector conveyor.</p> <p><b>NOTE:</b></p> <p>1.Item 10 to 170 are inter related activities that has to be carried out on a MEC shot blasting machines located at PRESS SHOP AND BAY 12/BLDG 1.</p> <p>2.The contractor shall report to the MMO supervisor immediately to at tend the activities 20,40,50 and 70 if he finds any abnormalities in weekly general checkup.</p> <p><b>BHEL SCOPE FOR BOTH SERVICE ITEM 10 &amp; 20:</b></p> <p>1.All the spares and consumables like kerosene, Gas, welding rod, cot ton Waste, grease etc for repair work will be provided by BHEL free of cost.</p> <p>2.Welding and gas cutting equipment's needed for the maintenance work will be provided free of cost.</p> <p><b>CONTRACTOR SCOPE FOR BOTH SERVICE ITEM 10 &amp; 20:</b></p> <p>1.Contractor should provide suitable manpower to carry out all the works in stipulated period.</p> <p>2.Contractor should allocate a supervisor for monitoring, all the activities and he may contact the MMO supervisor,, for any assistance if required. He has to maintain the work log register as per BHEL format.</p> <p>3.Contractor should bring all the required hand tools for repair work.</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 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.

#### **5. 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

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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 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.

### 6. 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.

7. 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.

### 8. 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 (with 5% over heads) incurred by BHEL

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shall be final and binding on the Tenderer / Contractor.

### 9. 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'.

### 10. 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.

### 11. 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.

### 12. PF,ESI:

The workmen of contractor should be covered under PF, ESI

### 13. DAMAGE & LOSS TO PRIVATE PROPERTY & INJURY TO WORKMEN

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

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

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

### 14. ARBITRATION & CONCILIATION: -

(a) Except as provided elsewhere in this Agreement, 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 Agreement ; or, the respective rights and liabilities of the Parties; or, in relation to interpretation of any provision of the Agreement ; or , in any manner touching upon the Agreement, then, either Party may , by a notice in writing to other Party refer such dispute or difference to sole arbitration of an arbitrator appointed by Head of the BHEL Units/Region/Division issuing the Agreement.

(b) The Arbitrator shall pass a reasoned award and the award of the Arbitrator shall be final and binding upon the parties.

(c) Subject as aforesaid, the provision of Arbitration & Conciliation Act 1996 (India) or statutory modification or re-enactment thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceeding under this clause. The seat of arbitration shall be Trichy, Tamil Nadu.

(d) The cost of arbitration shall be borne as per the award of the Arbitrator.

(e) Subject to arbitration in terms of clause 28 above, the Courts at Trichy Tamil Nadu shall have exclusive jurisdiction over any matter arising out of or in connection with this Agreement.

(f) Notwithstanding the existence or any dispute or difference and/or reference for the arbitration, the Contractor shall

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proceed with and continue without hindrance the performance of its obligation under this Contract with due diligence and expedition in a professional manner except where the Contract has been terminated by either Party in terms of this Contract.

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

In the event of any dispute or difference relating to the interpretation and application of the provisions of the Contract, such dispute or difference shall be referred by either Party for arbitration to the sole arbitrator in the Department of Public Enterprises to be nominated by the Secretary to the Government of India 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.

**15. 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

**16. 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.

**17. Force Majeure Clause:**

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

**18. 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.

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### 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) In the course of evaluation if more than one bidder happens to occupy L-1 status, effective L-1 will be decided by soliciting discounts from the respective L-1 bidders. In case more than one bidder happens to occupy the L-1 status even after soliciting discounts, the L-1 bidder shall be decided by a toss /draw of lots in the presence of the respective L-1 bidder(s) or their representative(s). Ranking will be done accordingly. BHEL's decision in such situations shall be final and binding.

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## SCHEDULE FOR PRICE BID

NAME OF WORK: **AMC FOR SHOT BLASTING MACHINES IN PRESS SHOP, BAY 12 AND THERMOPRESS SHOP.**

Ref: Enquiry no: 9242000018: dt. 15.07.2020; Due dt:07.08.2020, 14.00 Hrs.

Sl. No	SCOPE OF WORK	% ALLOCATION	VALUE	
			In Figures	In Words
ITEM 10 & 20	AMC FOR SHOT BLASTING MACHINES IN PRESS SHOP, BAY 12 AND THERMOPRESS SHOP.	100 %		

Sl. No	SCOPE OF WORK	Qty.	UoM	ALLOCATION %
10	AMC FOR BMD 50 THERMOPRESS SHOP			
10/10	Dust collector-Filters Cleaning	2	SET	2.37%
10/20	Repair works in Screw Conveyor-long	1	NO	1.32%
10/30	Replacement / repair of weld mesh	4	M2	0.44%
10/40	Repair works in Soundabarator	3	NO	1.32%
10/50	Repair works in Wheelabarator	3	NO	1.19%
10/60	Welding / Patch work on the structurals	18	M2	1.19%
10/70	Replacement of gear box drive Chains	2	NO	0.53%
10/80	Replacement of new buckets in elevator	10	NO	1.76%
10/90	Weekly general checkup of the machine	50	NO	8.67%
10/100	Replacement of new pipelines	4	M	0.70%
10/110	Repair/Replacement of hoses	4	M	0.75%
10/120	Replacement of Rubber curtains-long	10	NO	0.21%
10/130	Repair works in chain conveyor	5	M	0.77%
10/140	Replacement of Ni-hard Plate	5	NO	0.21%
10/150	Servicing/Repair works in dust collector	1	NO	0.70%
20	AMC FOR MEC SHOT PS & BAY 12			
20/10	Dust collector-Filters Cleaning	6	SET	5.62%
20/20	Repair works in Screw Conveyors	20	NO	20.41%

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)

20/30	Replacement / repair of weld mesh	30	M2	3.01%
20/40	Repair works in Soundababarator	15	NO	5.77%
20/50	Repair works in Wheelabarator	15	NO	5.27%
20/60	Welding / Patch work on the structurals	45	M2	4.52%
20/70	Replacement of gear box drive Chains	6	NO	1.30%
20/80	Replacement of new buckets in elevator	30	NO	4.52%
20/90	Weekly general checkup of the machine	100	NO	15.05%
20/100	Repair works in 8" & 12" pipeline	15	M	2.26%
20/110	Repair/Replacement of hoses/pipes	5	M	0.71%
20/120	Replacement of Rubber curtains	50	SET	2.93%
20/130	Replacement of Wire Brushes at roof	20	NO	2.51%
20/140	Replacement of Ni-hard Plate	50	NO	2.51%
20/150	Repair works in dust colt bottom valve	1	NO	0.24%
20/160	Servicing/Repair works in dust collector	1	NO	0.64%
20/170	Repair works in dust collector conveyor	1	NO	0.60%

- ❖ The bidder should quote the lumpsum rate and not the individual rates for every item.
- ❖ GST not to be included in the quoted rate & to be mentioned as a percentage separately. Other taxes, if any, are inclusive.
- ❖ L1 offer will be decided based on cumulative L1 value and order will be placed on single contractor.
- ❖ Refer the Illustration (Annexure –A) for arriving the rates for individual items by BHEL for the total amount quoted by the vendor
- ❖ The rate that is offered is comprehensive and no separate charges will be made towards expenses like travel, boarding & lodging.

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

\*\*\*\*\*

Sign & Seal of Contractor

## Annexure – A

### ILLUSTRATION FOR ARRIVING THE RATES FOR INDIVIDUAL ITEMS BY BHEL FOR THE TOTAL AMOUNT QUOTED BY THE VENDOR

The rates for the individual items would be arrived by BHEL as follows: Assuming there are ten items as below and the lump sum amount quoted by the vendor is 1, 00,000 /- (One Lakh).

Sl.No.	ITEM No.	Quantity	% Allocation
1	10/10	2	2.37%
2	10/20	1	1.32%
3	10/30	4	0.44%
4	10/40	3	1.32%
5	10/50	3	1.19%
6	10/60	18	1.19%
7	10/70	2	0.53%
8	10/80	10	1.76%
9	10/90	50	8.67%
10	10/100	4	0.70%

Amount allocated for item 10/10 would be =  $2.37\% \times 100000$  (Since % allocation is 2.37 % for this item)  
= Rs. 2370/-

Hence the rate for item 10/10 would be =  $2370 / 2$  = Rs. 1185/-

In the same manner the rates for all items would be arrived as follows,

Item 10/20	=	1320.00
Item 10/30	=	110.00
Item 10/40	=	440.00
Item 10/50	=	396.67
Item 10/60	=	66.11
Item 10/70	=	265.00
Item 10/80	=	176.00
Item 10/90	=	173.40
Item 10/100	=	175.00

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

\*\*\*\*\*

## 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