

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

High Pressure Boiler Plant, Tiruchirappalli 620 014, India

MAINTENANCE & SERVICES DEPARTMENT

☎: (0431) 2575263 Fax: (0431) 2576805 e-mail: gtraj@bheltry.co.in



ENQ No: 9241600004

12.01.2016

NOTICE INVITING TENDER

Sub: **SERVICING & MAINTENANCE OF MACHINE ACCESSORIES & FACILITY ITEMS IN BUILDING 50, BUILDING 1, DSPS & ATP– Reg.**

Ref: Enquiry no: 9241600004 Dated 12/01/2016. Due date: 11/02/2016, 14.00 Hrs.

Tender of the following work should be submitted in a sealed cover consisting of three inner sealed covers such as 1) EMD cover, 2) Technical bid cover & 3) Price bid cover, all superscribing the name of work, enquiry number etc.

- 1) EMD cover shall contain requisite EMD in the form of DD. Tenderers who had already remitted one time EMD should furnish a copy of the cash receipt of the remittance in the EMD cover. Tender without EMD / one time EMD reference will be summarily rejected and the Technical bid & price bid shall not be considered.
- 2) 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 such as experience, value of work executed in the similar nature of work etc. Any bid without proper documentary evidence for pre-qualification shall not be considered for further evaluation.
- 3) One set of unpriced bid of Contract Work Schedule duly signed by the tenderer for accepting the work content (BOM) should be submitted along with the Technical bid for technical evaluation.
- 4) The price bid cover shall contain price bid document duly filled in and signed by the tenderer in all the pages. The tenderer has to quote most competitive rates for all the items given in the Bill of Quantities in price bid.

The complete Technical bid and price bid along with requisite **EMD of Rs.60,000 /-** for this work in the form of **Demand Draft only in favour of M/s.BHEL, Trichy** shall reach the office of the undersigned on or before **11/02/2016 at 14.00 Hrs.** Tenderers who had already remitted one time EMD should furnish a copy of the cash receipt of the remittance in the EMD cover. EMD in any other form will not be accepted.

MSE suppliers can avail EMD Waiver benefits only if they submit along with the offer, attested copies of either EM II Certificate having deemed validity (five years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II Certificate along with attested copy of a CA Certificate (Format Enclosed). Tenders without EMD/MSME proof as detailed above will be summarily rejected

Sign & Seal of Contractor

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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 receipt and opening of the tender shall automatically fall on the same timing of the next working day. 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.

Clarification if any can be obtained from the undersigned.

Kindly acknowledge the receipt of the entire set of tender document.

Thanking you,

Yours faithfully,

For Bharat Heavy Electricals Limited,
Sr. Manager
Contracts
Maintenance & Services Dept

Encl:

- 1) NIT – Notice Inviting tender (Consists of Preamble, Technical Bid & price bid)

Tender should be addressed to: **THE SENIOR MANAGER,**

MAINTENANCE & SERVICES / CONTRACTS ,

2&4 BUILDING, BHARAT HEAVY ELECTRICALS LIMITED,

HIGH PRESSURE BOILER PLANT,

TIRUCHIRAPPALLI - 620014,

TAMILNADU

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NOTICE INVITING TENDER

01.	Name of work	SERVICING & MAINTENANCE OF MACHINE ACCESSORIES & FACILITY ITEMS IN BUILDING 50, BUILDING 1, DSPS & ATP
02.	Earnest Money Deposit	Rs. 60,000/-
03.	Duration of the contract	1 Year (From the date of commencement of the work)
04.	Last Date for Receipt of Tender	14.00 Hrs on 11/02/2016
05.	Date of Technical Bid Opening	14.30 Hrs on 11/02/2016
06.	Date of Price Bid Opening	Will be intimated to those who are Qualified separately.
07.	Guarantee Period	Not applicable

The Tender documents can be down loaded from BHEL website (www.bhel.com) / govt. website (www.tenders.gov.in) at free of cost.

Tender document contains 17 Pages (Technical Bid – 16 Pages, price bid – 1 page).

ISSUING OFFICER

Sign & Seal of Contractor

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TECHNICAL BID

NAME OF THE WORK: **SERVICING & MAINTENANCE OF MACHINE ACCESSORIES & FACILITY ITEMS IN BUILDING 50, BUILDING 1, DSPS & ATP - REG**

Enquiry no: 9241600004 Dated 12/01/2016. Due date: 11/02/2016, 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 involving 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. Documentary proofs/Xerox copies proving the same are to be enclosed. Otherwise offer is liable for rejection. Bidder to confirm	
2	Name and contact details like E-mail, Phone number, Fax no, etc. of the customer / company where the maintenance contract is executed. Bidder to confirm	
3	Along with Technical offer, the Vendor should submit performance certificate from minimum one customer for the satisfactory performance/execution in Maintenance Contract involving Fabrication / Maintenance of Machine / Facilities, in the customer's letter head, Otherwise offer is liable for rejection. Bidder to confirm	
4	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.	
5	PAN Number (Copy to be Enclosed)	
6	Service tax Registration Number (If applicable) – Certificate copy to be enclosed	
7	Acceptance for Scope of Work as per the Enquiry	
8	Acceptance for All Terms & Conditions as per the Enquiry	

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SCOPE OF WORK:

1) SERVICING & MAINTENANCE OF FACILITY ITEMS IN BUILDING 50

SCOPE OF WORK :

**A.) The maintenance of following facilities such as IN FEED AND OUT FEED of all machines and furnaces, cleaning of all facilities and other works for 32 Machines in Bldg. No.-50
Refer Sl.No F.**

1. In feed roller & out feed roller stand with gear box drive.
2. Idle Roller stand for tube in feed and out feed (Tube handling system).
3. Kick off system with gear box drive and pneumatic drive.
4. Walking beam with gear box drive and pneumatic drive.
5. Panel Flipping unit.
6. Waterfall rack in STBW MACHINES (Three Nos).
7. Hose connection/replacement in PPM 2, DEUMA and PEMAMEK (2 Nos) for flux and slag RECOVERY SYSTEMS.
8. Fumes collecting Filter cartridges in 20 torch MPM (1 Nos), PEMAMEK (2 Nos), PPM 2 m/cs.
9. Filter bags in DISA roto, NESCO roto, DEUMA PPM
10. Filters in Chiller unit and Blowers.

B. Contractor shall attend the following works in the above facilities.

1. Clean all the facilities mentioned above with wire brush, cotton waste and kerosene periodically.
2. Lubricate all chains, sprockets, rollers, bearings and Plummer blocks periodically.
3. Adjust slackness in chain drive system, tighten all loosened bolts and nuts of plummer blocks, pillow blocks, sprockets and gear box mountings. If necessary replace the damaged/broken plummer blocks, worn out chains and sprockets.
4. Alignment of rollers, sprockets in line whenever required.
5. Repair of roller stands, walking beam and water fall racks whenever required.
6. Changing/replacing of damaged rollers in roller stands.
7. The contractor shall check the tightness of hoses, change the punctured hose and maintain the joints leak proof for smooth operation of slag and flux recovery systems.
8. Repairing of roller stands with gas cutting and welding shall be done whenever required.
9. Contractor shall be able to paint, other misc. works of the facilities whenever required.

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C.BHEL SCOPE:

1. All the required machine spares like chains, sprockets, Plummer blocks, bearings, etc will be supplied by BHEL free of cost.
2. All consumables like welding electrodes, kerosene, cotton waste, emery sheet, dungry cloth, oxygen and cutting gas, electricity, water, compressed air, compressed air hoses, etc will be supplied by BHEL free of cost.
3. Welding machine and cables, drilling facility, machining facility, grinding facility ,etc required shall be arranged by BHEL at free of cost.

D.CONTRACTOR SCOPE:

1. Contractor should mobilize the necessary manpower immediately as per instruction from MMO Engineers/supervisors.
2. Contractor shall bring following Tools sets on all working days
 - a) Box spanner with ratchet handle one set(6 mm to 30mm)
 - b) Allen key 3 set (both in MM and Inches)
 - c) Double ended spanner 3 Set (6mm to 40mm)
 - d) Ring spanner 3 Set (6mm to 40mm)
 - e) Cutting plier
 - f) Hammer (Normal size 2 pounds and sledge hammer 6 Pounds)
 - g) Adjustable spanner
 - h) Pipe wrench 2.5"
 - i) Screw driver (Star and Normal)
 - g) Hack saw frame
 - h) File (Round, flat, Half round of both fine and rough sizes)
 - i) 3 sets of gas cutting cutogen with Gas regulators, rubber hoses, lighter, Goggle, Welding shield and other personal safety protective equipment's required for attending the above work.
3. The contractor shall deploy manpower for all working days including Sundays and holidays for carrying out the above work as per instruction from Area Supervisors/Executive/MMO.
4. The contractor should adhere to work as per the priorities of the machines from time to time as and when machines available for the work as per instruction from Area Supervisors/Executive/MMO.
5. 250 Man-days (Skilled) required tentatively per cycle to carry out the above activities.

E.Delivery Schedule of work:

The above work shall be carried out within one month period covering 32 machines listed below which is considered as one cycle. The same to be carried out in all working days including Sunday and holidays.

12 such cycles shall be carried out in One Year.

Period of contract is One year.

Priority shall be decided by Area Maintenance Executive IN CHARGE.

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F.The list of 32 machines covered Under three group are given below

Group-I, Bay A,1,2/Bldg 50

1. ATCEP, Loc.No. 5959-2014/Bay-A:
2. SHOT BLASTING M/C, Loc.No. 6164-3455:
3. STBW-I, Loc.No. 2829-3516 with FT:
4. STBW-6, Loc.No. 2829-4296 with FT:
5. ATCEP, Loc. No. 5959-3493/Bay-A:
6. NEW ROTO BLASTING M/C.2, Loc.No.61614127:
7. STBW-3, Loc.No. 2829-2052 with FT:
8. STBW-4 Loc.No.28294128 With FT
9. NEW ATCEP II kkk Loc.No.59594051
10. NEW MCO I Loc.No.59513470
11. Gantry Welding machine, Loc: 28873936
12. MCO II loc.no.59510037
13. 20 Torch MPM - 28873903-Bay.1
14. PPM-II, Loc.No.2887-0093/Bay-2:
15. Pemamek FFW Loc.No. 2887-3495/Bay-2:
16. CDF (CONTINUOUS DISCHARGE FURNACE) LOC NO:1654 0214.Bay 2

GROUP -II, Bay 3 to 5/Bldg 50

1. CNC Herber Pipe Bending machine LC.3872-3505, Bay 3.
2. WE 100 BENDING MACHINE,LOC NO:3891 2021 Bay 3
3. CH6 Tube bending m/c L.C. 3872-2008- Bay 3
- 4 VOP Tube bending M/c. LC.No.3388-0035,Bay3
5. WE 100 BENDING MACHINE,LOC NO:3891 2022 Bay 4
6. HTF (HIGH TEMPERATURE FURNACE) LOC NO:1654 2239/BAY-3
7. SYSTEM BENDER LOC NO: 38892082 Bay 4
- 8 Pemamek FFW Loc No 2887 3494 Bay 5
9. DEUMA, Location No. 2889-2139/Bay-5:

Group-III, Bay 5A to 8 Bldg 50

1. NEW SYSTEM BENDER-KKK Bay 6 Loc No :38894171
2. CNC 100 Nipple Bender Bay 6
3. Pines Tube Bending m/c Bay 7 Loc No :38724177
4. CNC Herber Pipe Bending machine Bay 7.
5. WE 100 Pipe Bending machine Bay 7
6. Pines Tube Bending m/c Bay 8 Loc No : 38724178
7. Continuous Discharge Furnace/Bay 8

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2) MAINTENANCE OF MACHINE ACCESSORIES IN DSPS & ATP

SCOPE OF WORK :

1. Cleaning of sub-assemblies and dismantled components while attending the break-down of machines by BHEL staff.
2. Cleaning of the machine surface and other accessories & fixtures of the machine for trouble shooting and to access the machine components during maintenance.
3. Cleaning of the machine area after attending the breakdown. All the spillage oil, cotton waste and other wooden wastes to be removed from the surroundings of the machine and moved to the waste bins.
4. Cleaning of oil, chips and dust inside/outside machine pit or intricate areas of machines before attending maintenance.
5. Cleaning of machine components and stand-by sub-assemblies in the work bench with kerosene and oil.
6. Movement of machine components from machine area to work bench and vice versa.
7. Movement of raw materials for spares manufacturing to the respective machine shop.
8. Movement of spares, consumables, raw materials, etc from maintenance stores to respective maintenance sections/plant Designs.
9. Assisting in loading & unloading of new, shifted and condemned machines.
10. Cleaning of machines under shifting and assisting the fitters & electricians for dismantling, shifting and re-erection.
11. The details of machines and facilities under maintenance for DSPS & ATP area is as below:

Sl.No	Functional Location	Equipment No	Machine Name / Type	PM	TYPE
1	HPBP-FB-001-01C	47042859	CNC DRILLING / M/C -VSPQ63	20	M
2	HPBP-FB-001-01C	48454299	DRUM EP MACHINE- TOS KURIM	20	L
3	HPBP-FB-001-01C	46671748	RADIAL DRILLING M/C-DRT10	20	M
4	HPBP-FB-001-01C	46671679	RADIAL DRILLING M/C-DRT10	20	M
5	HPBP-FB-001-01C	28840022	SUB-ARC WELDING M/C-SHE1500	20	M
6	HPBP-FB-001-01C	28844710	PRIMO AUTOWELDING M/C SMALL	20	M
7	HPBP-FB-001-01D	41670350	CENTRE LATHE-S3150/13000	16	L
8	HPBP-FB-001-01D	41673515	CENTRE LATHE-HEAD STOCK-2	16	L
9	HPBP-FB-001-01D	46663518	TRAVELLING COLUMN DRILLING M/C-DRT10	20	M
10	HPBP-FB-001-01D	46663519	TRAVELLING COLUMN DRILLING M/C-DRT10	20	M
11	HPBP-FB-001-01D	57634581	NEW LONG SEAM GRINDER -FARROS BLATTER	20	M
12	HPBP-FB-001-01D	57632019	CIRCUMFERENTIAL SEAM GRINDING M/C-OLD	20	S
13	HPBP-FB-001-01D	57633450	CIRCUMFERENTIAL SEAM GRINDING M/C-NEW	20	S
14	HPBP-FB-001-01D	46664298	TRAV.COLUMN.RADIAL DRILLING M/C-WEILER	20	M
15	HPBP-FB-001-01D	28964150	CU BUILT SAW OD 5	16	M

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ISO 9001

Sl.No	Functional Location	Equipment No	Machine Name / Type	PM	TYPE
16	HPBP-FB-001-01D	15230206	CAR BOTTOM FURNACE-50T	24	F
17	HPBP-FB-001-01D	15240207	CAR BOTTOM FURNACE-100T	24	F
18	HPBP-FB-001-01D	28962114	OD WELDING M/C -CAYUGA	16	M
19	HPBP-FB-001-01D	28963230	COLUMN & BOOM SUB-ARC WELDING M/C	16	M
20	HPBP-FB-001-01D	48280047	HORIZONTAL BORING M/C-WD160	20	L
21	HPBP-FB-001-01D	49881678	DOUBLE COLUMN PLANING M/C-HZFS2800	16	L
22	HPBP-FB-080-01D	57632018	LONG SEAM GRINDER -FARROS BLATTER	20	M
23	HPBP-FB-001-01E	28881515	ESAB OD WELDING M/C-AUTO	20	M
24	HPBP-FB-001-01E	33330246	SINGLE UPRIGHT HYDRAULIC PRESS-CDC30	20	S
25	HPBP-FB-001-01E	15220205	BOGIE HEARTH FURNACE-10T	24	F
26	HPBP-FB-001-01E	43964183	SAFOP-PIPE EP MACHINE	16	M
27	HPBP-HE-001-01E	47012613	CNC HORIZONTAL.GUN DRILLING M/C-Y1198	20	L
28	HPBP-FB-001-PFP	41270302	CENTRE LATHE-LB20/1000	20	S
29	HPBP-FB-001-PFP	41282655	CENTRE LATHE NH26/1000	20	S
30	HPBP-FB-001-PFP	44743288	CNC SLANT BED LATHE-STC25	20	S
31	HPBP-FB-001-PFP	44743289	CNC SLANT BED LATHE-STC25	20	S
32	HPBP-FB-001-PFP	51350740	HORIZONTAL MILLING M/C-M3H	20	S
33	HPBP-FB-001-PFP	52270510	VERTICAL MILLING M/C-M3V	20	S
34	HPBP-FB-080-197	28964154	CU BUILT SAW OD 6	16	M
35	HPBP-FB-080-197	28973168	NARROW GAP ARC WELDING M/C 1/TRC 5MX4M	20	M
36	HPBP-FB-080-197	28992537	AUTO WELDING PLANT AMBR 50/5000(SCHAFFER)	20	M
37	HPBP-FB-080-197	28760235	SUBMERGED ARC WELDING M/C	20	M
38	HPBP-FB-080-197	58993169	LONG SEAM GRINDING MACHINE-ANSALDO	20	M
39	HPBP-FB-080-197	28962885	ADORE-SAW MACHINE	20	M
40	HPBP-FB-080-197	15932238	CAR BOTTOM FURNACE 300 T(GAS FIRED)	24	F
41	HPBP-HE-080-197	28754738	PRIMO COLUMN AND BOOM WELDING MACHINE	20	M
41	HPBP-HE-080-197	28754738	PRIMO COLUMN AND BOOM WELDING MACHINE	20	M
42	HPBP-FB-059	15911302	PLATE HEATING FURNACE 46T	24	F
43	HPBP-FB-059	32132974	HYDRAULIC PRESS H25/25/1000	20	M
44	HPBP-FB-059	32150092	HYDRAULIC PRESS 2000 T	16	L
45	HPBP-FB-059	32184590	NEW HYDRAULIC PRESS 8000T	16	L
46	HPBP-FB-059	32182285	HYDRAULIC PRESS 8000T	16	L
47	HPBP-FB-059	61610113	SHOT BLASTING P7-500R	20	S
48	HPBP-FB-059	15922237	PLATE HEATING FURNACE 150 T	24	F
49	HPBP-FB-094	15411492	0.5T FURNACE	24	F

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ISO 9001

Sl.No	Functional Location	Equipment No	Machine Name / Type	PM	TYPE
50	HPBP-FB-094	17232761	CAR BOTTOM FURNACE 10 TON WESMAN	24	F
51	HPBP-FB-094	33472780	STRAIGHTENING PRESS -ISGEC 600T	20	M
52	HPBP-FB-094	33770019	HYDRAULIC PRESS 500 T CBJ 500	20	M
53	HPBP-FB-094	41412631	HEAVY DUTY CENTRE LATHE L50/2000	20	M
54	HPBP-FB-094	59673510	HORIZONTAL BAND SAW -DCA 650	20	S
55	HPBP-FB-094	61612787	SHOT BLASTING MACHINE	20	L
56	HPBP-FB-094	59674136	BAND SAW MACHINE 650MM-DOUBLE COLUMN	20	S
57	HPBP-FB-094	48022778	CNC HORIZONTAL BORING UTA-160P	16	L
58	HPBP-FB-094	48024156	GEETHA HORIZONTAL BORING M/C	20	M
59	HPBP-FB-094	48024157	GEETHA HORIZONTAL BORING M/C	20	M
60	HPBP-FB-094	17644200	40T LPG FURNACE	24	F
61	HPBP-FB-094	42231261	VERTICAL BORING M/C BV 12	20	M
62	HPBP-HE-066	41270293	CENTRE LATHE LB 20/1000	20	S
63	HPBP-HE-066	47053179	CNC DRILLING MACHINE TYPE:BDC 50	20	L
64	HPBP-HE-066	48210477	HORIZONTAL BORING M/C H 100A	20	M
65	HPBP-HE-066	52273473	VERTICAL MILLING MACHINE FN3V	20	S
66	HPBP-HE-066	48024733	CNC HORIZONTAL BORING- HMT	20	L
67	HPBP-HE-109-001	47621813	CNC GUN DRILLING M/C AVEY	16	L
68	HPBP-HE-109-001	48324604	HORIZONTAL BORING MACHINE/JIER	16	L
69	HPBP-HE-109-001	28882253	SUBMERGED ARC WELDING MACHINE -ESAB	20	M
70	HPBP-HE-109-001	42413801	CNC VERTICAL BORING MACHINE- WUHAN	20	L
71	HPBP-HE-109-001	28102698	WATERJET CUTTING MACHINE	20	M
72	HPBP-HE-109-002	2896-4562	SUBMERGED ARC WELDING M/C -ESAB(NEW)	20	M
73	HPBP-HE-077	43994149	GEEDEE WEILER	Nil	S
74	HPBP-HE-077	28674338	TUBE TO TUBE SHEET ORBITAL TIG WELDING	Nil	S
75	HPBP-HE-077	2867-4613	TUBE TO TUBE SHEET ORBITAL TIG WELDING	Nil	S

12. It is preferred to supply same contract employees (in the age group of 18 to 45 years) without frequent changing for the entire period of contract.

13. The contract employees may be required to come in shifts (G/A) as per the requirement of BHEL. The timing regarding the shifts will be same as that of the existing practices of BHEL, Trichy.

14. All the materials involved in the contract will be provided by BHEL free of cost.

15. 130 Man-days (unskilled) required tentatively per cycle to carry out the above activities.

Sign & Seal of Contractor

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3) MAINTENANCE OF MACHINE ACCESSORIES IN BUILDING 1 BAY 1-12 / 1A

SCOPE OF WORK :

1. Cleaning of sub-assemblies and dismantled components while attending the break-down of machines by BHEL staff.
2. Cleaning of the machine surface and other accessories & fixtures of the machine for trouble shooting and to access the machine components during maintenance.
3. Cleaning of the machine area after attending the breakdown. All the spillage oil, cotton waste and other wooden wastes to be removed from the surroundings of the machine and moved to the waste bins.
4. Cleaning of oil, chips and dust inside/outside machine pit or intricate areas of machines before attending maintenance.
5. Cleaning of machine components and stand-by sub-assemblies in the work bench with kerosene and oil.
6. Movement of machine components from machine area to work bench and vice versa.
7. Movement of raw materials for spares manufacturing to the respective machine shop.
8. Movement of spares, consumables, raw materials, etc from maintenance stores to respective maintenance sections/plant Designs.
9. Assisting in loading & unloading of new, shifted and condemned machines.
10. Cleaning of machines under shifting and assisting the fitters & electricians for dismantling, shifting and re-erection.
11. All the materials involved in the contract will be provided by BHEL free of cost.
12. It is preferred to supply same contract employees (in the age group of 18 to 45 years) without frequent changing for the entire period of contract.
13. The contract employees may be required to come in shifts (G/A) as per the requirement of BHEL. The timing regarding the shifts will be same as that of the existing practices of BHEL, Trichy.
14. 104 Man-days (unskilled) required tentatively per cycle to carry out the above activities.
15. The details of machines and facilities under maintenance for Bldg 1 shop area is as below:

MACHINE LIST:

CRITICAL MACHINES :

S.NO	Bay	Equip.No	Equipment Type
1	2	47022629	GANTRY DRILLING M/C-Y1208
2	3	46664203	TRAVELLING COLUMN RADIAL DRILLING MACHIN VOP
3	7	46664293	TRAVELLING COLUMN RADIAL DRILLING MACHIN VOP
4	1A	48283503	CNC PIPE EDGE PREPARATION M/C UMM130P (HB627)
5	1A	38764199	INCREMENTAL PIPE BENDING M/C PB600
6	1A	17644166	50T - Double Bogie Hearth Furnace

Sign & Seal of Contractor

BHARAT HEAVY ELECTRICALS LIMITED

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High Pressure Boiler Plant, Tiruchirappalli 620 014, India

MAINTENANCE & SERVICES DEPARTMENT

☎: (0431) 2575263 Fax: (0431) 2576805 e-mail:gtraj@bheltry.co.in



NON CRITICAL MACHINES:

S.NO	Bay	Equip.No	Equipment Type
1	1	41373517	LARGE CNC LATHE-LC-140N
2	1	41862130	CENTRE LATHE -HHD-65
3	1	43880107	DEEP HOLE BORING M/C-PTC-400
4	1	43950364	PIPE CHAMFERRING M/C-JCH 500
5	1	45622307	RADIAL DRILLING M/C-RM65
6	1	49880103	DOUBLE COLUMN PLANING M/C-PD-20
7	1	15611511	30 TON FURNACE.
8	2-MMO	46310430	PEDESTAL DRILLING M/C-PD-50
9	2	28843071	SUB-ARC WELDING M/C-1201
10	2	33374729	600T Goose Neck Press
11	2	46663513	TRAV.COLUMN RADIAL DRILL.M/C-DRT-10
12	2	46663514	TRAV.COLUMN RADIAL DRILL.M/C-DRT-10
13	2	47023499	SHALLOW GANTRY CNC DRILL HEAD-Y1298
14	2-MMO	52270515	VERTICAL MILLING M/C M 3V
15	2-MMO	41283739	HMT CENTRE LATHE NH27
16	2	46550050	RADIAL DRILLING M/C VR 8
17	2	86763746	HYDRO TEST STATION PUMP- 800 BAR UT PUMPS
18	3	28844162	PIPE TO PIPE AND PIPE FITTING WELDING MC
19	4	28842860	SUB-ARC WELDING M/C-1201
20	4	28844148	PIPE TO PIPEAND PIPE FITTING WELDING MAC
21	4	33373468	GOOSE NECK PRESS-HH2066-600T
22	4	46663522	TRAV.COLUMN RADIAL DRILL.M/C-DRT-10
23	4	46663523	TRAV.COLUMN RADIAL DRILL.M/C-DRT-10
24	5	41270286	CENTRE LATHE -LB20/1000
25	5	41241562	CENTRE LATHE -LB17/1000
26	5	41310333	UNIVERSAL CENTRE LATHE -SU63A/1250
27	5	42320014	DOUBLE COLUMN VERTICAL BORING M/C -SK25A
28	5	42342400	VERTICAL BORING M/C-CVBM225
29	5	42410001	VERTICAL BORING M/C-SK 50
30	5	46552249	RADIAL DRILLING M/C -DR8
31	5	46632101	RADIAL DRILLING M/C-CARLTON
32	5	48052583	DRILLING, MILLING & BORING M/C-Y1197
33	5	48322444	HORIZONTAL BORING M/C-HB609
34	5	46572723	BPR 50 Universal Drilling machine
35	6	28844146	PIPE TO PIPE AND PIPE FITTING WELDING M/C FINEARC

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S.NO	Bay	Equip.No	Equipment Type
36	6	46550053	RADIAL DRILLING M/C VR 8
37	6	46671679	RADIAL DRILLING M/C-DRT10
38	6	42320361	DOUBLE COLUMN VERTICAL BORING M/C -SK25A
39	--	-----	HYDRO TEST STATION PUMP- 800 BAR UT PUMPS
40	7	33374202	600 TON HYDRULIC GOOSENECK PRESS
41	7	46523012	RADIAL DRILLING MACHINE-RM65
42	7	48240028	HORIZON. BORING M/C-BFP 125
43	7	28844145	PIPE TO PIPE AND PIPE FITTING WELDING M
44	7	86763752	HYDRO TEST STATION PUMP- 800 BAR UT PUMPS
45	7	28841506	ADORE AUTO WELD MACHINE
46	8	46671749	RADIAL DRILLING M/C-DRT10
47	8	28843859	HEADER PIPE / FGITTING WELDING STATION PRIMO
48	8	38292626	HYDRAULIC PRESS BRAKE -40H32-400T SIMTOOLS
49	8	46523210	RADIAL DRILLING MACHINE-RM65
50	8	46550051	RADIAL DRILLING M/C VR 8
51	8	57221241	PRAGA TOOL PEDESTRAL GRINDER
52	9	43964185	CNC PIPE END CHAMFERING M/C - 600MM (SAFOP-2)
53	9	38273449	HYDRAULIC PRESS BRAKE-EHP-340.31/25-300T
54	9	46553463	RADIAL DRILLING MACHINE DR 8A
55	9	38410261	THREE ROLL PLATE BENDING M/C-XZM 2000/4A
56	9	28844168	PIPE TO PIPE AND PIPE FITTING WELDING FINE ARC
57	9	59674135	INDOTECH MAKE DOUBLE COLOMN BANDSAW 650
58	9	48454300	SMTCL Radial drillinig machine
59	9	28844742	Auto welding machine
60	9	-----	PEDALS & GRINDING MACHINE
61	10	43964182	CNC PIPE END CHAMFERING M/C - 900MM (SAFOP-3)
62	10	28844754	PIPE TO PIPE AND PIPE FITTING WELDING PRIMO
63	10	46572650	RADIAL DRILLING M/C- VOM 50
64	10	48210723	HORIZONTAL BORING-BH100
65	10	-----	PEDESTRAL GRINDER
66	10	-----	ELECT. HEAT TREAT FURNACE THERLEC - 5T
67	11	43964180	CNC PIPE END CHAMFERING M/C - 900MM (SAFOP-4)
68	11	46520462	RADIAL DRILLING M/C-RM65
69	11	46522344	RADIAL DRILLING M/C-RM65
70	11	48213374	HORIZONTAL BORING M/C-W100A
71	11	28843858	HEADER PIPE/FITTING WELDING STATION PRIMO
72	11	-----	PEDESTRAL GRINDING MACHINE

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S.NO	Bay	Equip.No	Equipment Type
73	12	43962095	PIPE CHAMFERING M/C-SAFOP TUBMATIC 800
74	12	46572722	UNIVERSAL PORTABLE DRILLING M\C BPR 50
75	12	61613502	SHOT BLASING &PAINTING-2001 BM:2K205
76	1A	38760094	INCREMENTAL PIPE BENDER-PB600(Old)
77	1A	17911534	BOGIE HEARTH FURNACE-VULCAN-40T
78	1A	41270302	CENTRE LATHE-LB20/1000
79	1A	41281689	NL26 LATHE
80	1A	46570032	RADIAL DRILLING M/C-VRM50
81	1A	48210106	HORIZONTAL BORING-BH100
82	1A	52270504	VERTICAL MILLING M/C-M3V
83	1A	59673472	HORIZONTAL BAND SAW-IT1000DCA
84	1A	59673596	DOUBLE COLUMN BAND SAW-DCA150
85	1A	20003124	SUB ARC WELDING MACHINE
86	1B	43964181	CNC PIPE END CHAMFERING M/C - 900MM (SAFOP-6)
87	1B	47024188	CNC HEADER PIPE DRILLING MACHINE
88	1B	38724305	PINES CNC-150 ROTARY BENDING MACHINE
89	1B	38724374	PINES CNC-150 ROTARY BENDING MACHINE
90	1B	28102697	CNC GAS CUTTING M/C-MAYUR SP
91	1B	28102856	CNC GAS CUTTING M/C-LINECORD-PC
92	1B	31170240	OPEN SIDE ECCENTRIC PRESS-LE250/40
93	1B	46520461	RADIAL DRILLING M/C-RM65
94	1B	33330243	HYDRAULIC PRESS-CDC30
95	1B	33350371	HYDRAULIC PRESS 250 T
96	1B	37770257	PLATE STRAIGHTENING M/C-XRM 2000/6.3
97	1B	38720007	PIPE BENDING MACHINE CH 6/127
98	1B	38780010	PIPE BENDING M/C-URALMASH 426M
99	1B	41453512	HEAVY DUTY CNC LATHE L45
100	1B	43962094	PIPE CHAMFERING M/CSAFOP TUBMATIC 800
101	1B	46550054	RADIAL DRILLING M/C VR 8
102	1B	46551260	RADIAL DRILLING M/C DR 8
103	1B	49920487	EDGE PLANNING M/C-HHP10
104	1B	59511502	MODERN CUT OFF M/C
105	1B	59514014	MODERN AUTOMATIC CNC CONTROLLED TUBE
106	1B	59672421	BANDSAW-KASTO-HBA 360AU
107	1B	59672585	HORIZONTAL BANDSAW-ROBOTER 650Z
108	1B	59674130	SPECIAL PURPOSE DOUBLE COLUMN BAND SAW 800
109	1B	59740636	PLATE SHEARING M/C NG 30

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S.NO	Bay	Equip.No	Equipment Type
110	1B	59792654	CNC HYDRAULIC SHEARING M/C
111	1B	59793149	HYDRAULIC SHEARING M/C-GS3113
112	1B	59710631	UNIVERSAL SHEAR AND PUNCHING MACHINE
113	1B	59614786	INDO TECH DCA-1050 BAND SAW
114	1B	59672899	HORIZONTAL BAND SAW-300VA
115	1B	47024624	BFW Gantry drilling machine
116	1A	3040	HYDRO TEST STATION MGS 15

General Terms and Conditions

- 1) Safety precautions have to be ensured by the Contractor Depending on the work nature. 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.
- 2) PPES shall for appropriate trade job has to be ensured by the contractor at the job site at all times.
- 3) 100% payment will be made after completion of work on pro rata basis on submission of invoice in triplicate duly certified by Area Incharge
- 4) Attendance register should be maintained.
- 5) **Rate should be quoted in lump sum/Cycle.**
- 6) Contractor must get acquaintance with quantum of day to day work either visiting BHEL Trichy premises or email us before quoting.
- 7) Period of Contract is One Year from the date of commencement of work.
- 8) **L1 Vendor will be finalized based on Individual Item basis.**

IMPORTANT NOTE: IF THE CONTRACTOR PERFORMANCE NOT ABLE TO FULFILL AS PER ENQUIRY REQUIREMENT, THEN THE CONTRACT SHALL BE SHORT CLOSED AT ANY TIME.

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GENERAL TERMS AND CONDITIONS FOR M&S MECHANICAL CONTRACTS

- 1) The workmen of contractor should be covered under PF/ESI, etc as per labour laws.
- 2) Safety precautions have to be ensured by the Contractor Depending on the work nature. Necessary work permit system and personal protective equipments (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.
- 3) PPES for appropriate trade job has to be ensured by the contractor at the job site at all times.
- 4) The contractors may visit the area to assess the quantum of work before quoting.
- 5) The contractor should mention the point to point confirmation.
- 6) Contractor should commit for Terms and Conditions of the enquiry otherwise the offer shall be liable for rejection.
- 7) **TWO PART BID SYSTEM:** Contractor should send their offer for two part bid system as below
- 8) Documents submitted with the offer shall be signed and stamped in each page by authorized representative of the bidder.

TENDERING CONDITIONS:

- a) The Bidders shall submit the offer in TWO PART BID SYSTEM (Part -I & II) 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) Both the envelopes (Part I & II) 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.
- e) The offer should reach this office on or before the due date by 14.00 Hrs. (IST). Late offers will not be considered.

Sign & Seal of Contractor

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

THE SENIOR MANAGER
MAINTENANCE & SERVICES / CONTRACTS,
2&4 BUILDING,
BHARAT HEAVY ELECTRICALS LIMITED,
HIGH PRESSURE BOILER PLANT,
TIRUCHIRAPALLI - 620 014.
TAMIL NADU, INDIA.

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

OPENING OF TENDERS:

- a) The Part I - Technical & un-priced commercial bid 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.
- 9) The contractor should quote the exact time required to complete the work in their offer.
- 10) BHEL reserves the right to reject any or all the tenders either in full or a part thereof at their discretion without assigning any reasons thereof.
- 11) The contractor may visit BHEL to assess the quantum of work before submitting their offer.

12) SERVICE TAX :

- 1) A copy of Service tax remittance challan for previous quarter should be submitted along with offer if the contractor is claiming service tax.
- 2) If Contractor is exempted from service tax then a declaration that they are within the threshold limit should be submitted along with the offer.

13) LD 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 for each week of delay or part thereof subject to a maximum of 10% of the total contract value.

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COMMERCIAL TERMS AND CONDITIONS FOR M&S MECHANICAL CONTRACTS

- 1) 100% payment will be made after satisfactory completion of work on pro –rata basis.
- 2) Attendance register should be maintained.
- 3) EMD is to be submitted along with offer and is to be remitted in cash (as permissible under Income Tax Act) or Pay order or Demand Draft only in favour of M/S BHEL Trichy.
- 4) Security Deposit shall be furnished by the successful vendor to the total contract value before starting the work.

The rate of Security Deposit will be 10% of the contract value up to 10 Lakhs. EMD of the successful vendor can be converted and adjusted against the security deposit.

- 5) An additional payment as per circular ref. BHE/HR/W/EW/08.04.2014 is to be paid to the contract workmen as below, over and above the minimum wages prescribed by the government of Tamilnadu:

Unskilled	-	Rs. 3,200/-
Semiskilled	-	Rs. 3,700/-
Skilled	-	Rs. 4,100/-
- 6) Bonus @ 8.33 % to workmen to be paid.
- 7) L1 Vendor will be finalized based on Individual Item basis.
- 8) Taxes if any will be mentioned separately in the offer.
- 9) The rate that is offered should be comprehensive and no separate charges will be made towards expenses like travel, boarding and lodging.
- 10) The contractor should quote the validity of the offer.

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):

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

(Strike off whichever is not applicable)

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.

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:

(Signature)

Name:

Membership number:

Seal of Chartered Accountant

SCHEDULE FOR PRICE BID

Sub: **SERVICING & MAINTENANCE OF MACHINE ACCESSORIES & FACILITY ITEMS IN BUILDING 50, BUILDING 1, DSPS & ATP– Reg.**

Ref: Enquiry no: 9241600004 Dated 12/01/2016. Due date: 11/02/2016, 14.00 Hrs.

Sl. No	Description	Qty	UOM	Rate	Value
1	SERVICING & MAINTENANCE OF FACILITY ITEMS IN BUILDING 50	12	CY		
2	MAINTENANCE OF MACHINE ACCESSORIES IN DSPS & ATP	12	CY		
3	MAINTENANCE OF MACHINE ACCESSORIES IN BUILDING-1 BAY 1-12 / 1A	12	CY		
TOTAL					

❖ **Taxes if any should be quoted Extra**

- 1) Payment terms: Payment will be made after completion of work on pro rata basis on submission of invoice in triplicate duly certified by Engineer In Charge.
- 2) Tax deduction will be made from the every bill at the prevailing rate as per the Government rule and regulation from time to time.
- 3) Detailed scope of work and other terms and conditions are specified in the Technical Bid of the Tender.
- 4) **L1 Vendor will be finalized based on Individual Item basis.**

Sign & Seal of Contractor