



**BHARAT HEAVY ELECTRICALS LIMITED**  
**RAMACHANDRAPURAM::HYDERABAD::32**  
**FACTORY CIVIL ENGINEERING DEPARTMENT**

**SCHEDULE- A**

**Tender Notice No:**

HY/FCD/OT-04/2011-12, Dt:- 20.05.2011

**PRICE BID**

Item no : 2

**Name of work: Misc. Carpentry works in Factory area and Admn. Building.**

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
1	Fixing the given commercial ply / teak ply royal teak sheets to the wooden frame (Only required sheets will be supplied free of cost by BHEL at their stores). The rate shall including removal of existng sheets, cost of nails, screws n position jolly insulex board / masonite board, thermocole sheets for false ceiling / wall panneling including removing existng damaged boards etc. complete. Only false ceiling boards required for the work will be issued free of cost by BHEL at their stores.	200.00	One Sq. m	24.00	4,800.00
2	Fixing of flush or panelled shutters (single/double leaf) to the wooden frame wherever required, including cutting, planing, fixing hinges, aldrops, mortice lock, tower bolts, etc. complete, which will be supplied free of cost by BHEL at their stores. (Only labour charges)	40.00	One Sq. m	93.24	3,729.60
3	Supplying and fixing of commercial type double leaf flush shutters solid core non-decorative type conforming to I.S 2202 Part-I. 30 mm thick (commercial ply on both sides) of approved quality and brand including 6 nos M.S hinges 10 cm, and 2 Nos. aluminium tower bolt 20 cm long and 1 No. aluminium aldrip 300 mm long, including cost of materials and labour etc., complete as directed by Engineer-in-charge.	15.00	One Sq. m	569.00	8,535.00
4	Providing wood work in frames of doors, window, celerestory windows and other frames, wrought framed and put in position including cost of MS hold fasts,painting with two coats of coal tar, cost of labour etc., complete (Running length and size of teak wood scantling used for making frames will be measured for payment )	0.25	One Cu.m	52,090.00	13,022.50
5 a)	Providing and fixing false ceiling frame made out of 25 x 25 x 1.3 mm aluminium 'T' and wall angles in a grid pattern of 0.60 x 0.60 Mtrs suspended with 6 mm dia MS rounds with adjustable bolts etc., including cost of all materials, labour etc., complete. 4 mm thick flexo board (A. C)	5.00	One Sq. m	428.40	2,142.00
5 b)	12 mm thick Nova teak / Kit Ply – plain or semi perforated particle board	45.00	One Sq. m	614.14	27,636.30

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
5 c)	19 mm thick thermocole	100.00	One Sq. m	363.00	36,300.00
6 a)	Providing and fixing false ceiling boards / tiles of size 0.60 x 0.60 M, including removing the damaged ceiling tiles etc., complete with the following boards. 12 mm thick (Nova teak or Kitply) plain / semi perforated particle board.	60.00	One Sq. m	349.20	20,952.00
6 b)	12 mm thick jolley insulex board.	40.00	One Sq. m	328.20	13,128.00
6 c)	4 mm thick flexo boards (A.C)	30.00	One Sq. m	175.80	5,274.00
6 d)	4 mm thick hard board.	30.00	One Sq. m	167.52	5,025.60
6 e)	19 mm thick thermocole boards	10.00	One Sq. m	59.00	590.00
7	Dismantling the existing wooden / aluminium partitions into small units including removing doors, glass panes, etc., transporting, planing, cutting, and <b>re-assembling of partitions</b> , doors, glass panes etc., complete. Rate quoted shall include the cost of all materials required for reassembling such as nails, screws, fevicol etc. all as directed by the Engineer-in-charge.	60.00	One Sq. m	222.80	13,368.00
8	Dismantling the existing wooden / aluminium partitions into small units including removing doors, glass panes, etc., transporting and stacking carefully for reuse, in the departmental stores complete. All as directed by the Engineer-in-charge.	100.00	One Sq. m	117.70	11,770.00
9	Erecting dismantled wooden partitions /aluminium partitions in new locations including transporting from BHEL stores, making necessary modifications by planing, cutting etc., to suit new place, fixing of doors, glass panes etc., complete (Dismantled wooden / aluminium partitions will be made available at BHEL stores at free of cost). Rate shall include cost of all hardware materials like nails, screws, Fevicol etc., complete.	100.00	One Sq. m	53.52	5,352.00
10	Repairs to the existing wooden / aluminium partitions and doors, removing the bends and re-fixing them in position including cutting, planing etc., complete. The work includes the removal of glass panes and doors if any and re-fixing them in position. The rate quoted shall include cost of all materials required for the work such as nails, screws, Fevicol etc.	100.00	One Sq. m	58.20	5,820.00
11	Fixing G.I, sheets / decolam sheets to door shutters as directed by Engineer-in-charge. (Materials required will be supplied free of cost by BHEL at their stores). The rate shall include removal of existing sheets, the cost of nails, screws Fevicole etc., required for the work.	50.00	One Sq. m	82.80	4,140.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
12	Supply and fixing M.S. clamps of size 150 x 50 x 3 mm to wooden partition frames and R.C.C. columns beams slabs, masonry walls etc., to fix the partitions rigidly using screws and nails complete.	50.00	Each	46.00	2,300.00
13	Polishing two or more coats on new wood work with French spirt polish including a coat of wood filler as directed by Engineer-in-charge. Including cost of all mateirals.	250.00	One Sq. m	75.60	18,900.00
14	Polishing one or more coats with French spirt polish to old wood work as directed by Engineer-in-charge. Including cost of all mateirals.	300.00	One Sq. m	38.40	11,520.00
15 (a)	Supply & fixing of 3 mm thick glass of plain / opaque / pin headed etc., with MS glazing clips and putty at all floors of buildings. The rate quoted shall include removal of broken glasses, cleaning old putty etc., complete from the old windows / partitions at all heights of the buildings, as directed by Engineer-in-charge.	20.00	One Sq. m	341.00	6,820.00
(b)	Fixing of 3 mm glass of plain/ opeque/ pin headed etc with MS glazing clips and putty at all floors of the buildings. The rate quoted shall include removal of broken glasses, cleaning old putty etc. complete from the old windows / parttions at all heights of the buildings, as directed by Engineer in charge. (Only glasses will be supplied by BHEL on free of cost).	75.00	One Sq.M	284.20	21,315.00
16 (a)	Fixing of 4 mm glass of plain/ opeque/ pin headed etc with MS glazing clips and putty at all floors of the buildings. The rate quoted shall include removal of broken glasses, cleaning old putty etc. complete from the old windows / parttions at all heights of the buildings, as directed by Engineer in charge. (Only glasses will be supplied by BHEL on free of cost).	50.00	One Sq.M	524.45	26,222.50
16 (b)	Supply & fixing of 4 mm thick glass of plain / opaque / pin headed etc., with MS glazing clips and putty at all floors of buildings. The rate quoted shall include removal of broken glasses, cleaning old putty etc., complete from the old windows / partitions at all heights of the buildings, as directed by Engineer-in-charge.	20.00	One Sq. m	427.60	8,552.00
17	Supply and fixing 5.0 mm thick (Modi Float /Saint gobin glass) plain glass to the aluminium frame with rubber beading, screw less snap on clips etc., complete.	50.00	One Sq. m	557.35	27,867.50
18	Manufacturing of door frame/air conditioner frames with the given wooden scantlings issued free of cost at BHEL stores. The rate shall include cost of all hardware materials like nails, screws, fevicol, hole fasts etc. complete as directed by Engineer-in-charge.	5.00	One Sq. m	159.00	795.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
19	Supply and fixing 9 mm thick particle board of (Novapan or Kit ply) exterior grade laminated on both sides fixed to frame with rubber beading screw less snap on clips etc., complete.	60.00	One Sq. m	534.00	32,040.00
20	Repairs to the existing Armstrong false ceiling including dismantling and removal of damaged 'T' angles, wall angles, intermediate channels, and refixing the false ceiling with new wall/Tee/intermediate angles and channels in place of damaged sections including dismantling of existing false ceiling and providing the false ceiling in new locations. It also includes anchoring the ceiling grid with GI wire to the ceiling with rawl plugs, hooks, levelling and fixing of boards etc complete as directed by Engineer-in-charge.	50.00	One Sq. m	250.00	12,500.00
21 a)	Supply & fixing of Armstrong mineral fibre false ceiling boards of following models. a) Prima Dune Plus Tegular edge 600 x 600 mm	20.00	One Sq. m	778.00	15,560.00
21 b)	Microlook Tegular edge / Plain 600 x 600 mm	20.00	One Sq. m	778.00	15,560.00
22	Repair to the sliding doors of built in cup boards, repairs include removal of MS tees / channels, casters etc. converting the sliding shutters hinged type shutters with required modification to the shutters and using the following fixtures to a pair of shutters.a) 1" continuous hinges-2nos, B0 Knobs-2nos, c) 3" aluminum tower bolts-2nos. The rate shall include cost of modification to shutters, cost of all materials and polishing with one coat of polish. (The payment will be made for the surface area of shutters.)	25.00	One Sq.M	305.64	7,641.00
23	Supplying and fixing <b>aluminumm partitions</b> with new anodised aluminun box section of size 101.60x 44.45x 2.00mm for verticals, and with 63.50x 38.10x 2.00mmm for horizontals spacing suitable to the site requirements and as approved by . Wherever doors are coming wooden runners are to be provided in the box section. The rate shall include grouting of frem to the floor properly fixed at ends to walls, cost of aluminum sections, labour etc. complete.(The door opening shall be deducted for payment)	50.00	One Sq.M	1,316.40	65,820.00
24	Supplying and fixing aluminumm door shutters made out of new anodised aluminun box section of size 44.50x 47.50x 2.00mm for verticals, top and middle rails and 101.60x44.50x2.00mm for bottom rail inclusive of supply and fixing of all aluminum fixtures and fittings such as handles 2 nos, 1 No of tower bolt 12mm dia 200mm long, 1 No of hydraulic door closure of IS specification , 3 nso of 4" long(100mm) but hinges, stopper 1 No and suitable locking arrangement etc. complete all as directed by Engineer in charge etc. complete.	15.00	One Sq.M	2,918.40	43,776.00

<b>S No</b>	<b>Description of the item</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate (Rs)</b>	<b>Amount (Rs)</b>
25	Supplying and fixing 2 mm thick vinyl flooring tiles ("Tusker" make) in required colour and of size 300 x 300 mm on the existing floor after thorough cleaning including necessary adhesives, labour, cost of all materials, shifting of furniture from the cabins to outside and re-arranging the same after completion of work as directed by the Engineer-in-charge. The tile material confirm to IS:3462.	100.00	One Sq.m	325.00	32,500.00
26	Supplying and fixing 2 mm thick vinyl flooring ("Tusker" make) (roll) in required colour and size on the existing floor including necessary adhesives, labour, cost of all materials shifting of furniture from the cabins to outside and re-arranging the same after completion of work as directed by the Engineer-in-charge. The tile material confirm to IS:3462.	200.00	One Sq.m	300.00	60,000.00
27	Providing & fixing 6 mm thick mirror of approved quality ("Modi float/Belgium" make) with 6 mm thick hard board back and best teak wood design beading alround the mirror including necessary clamps, screws, polishing to beading, cost of all materials and labour etc. complete.	50.00	One Sq.m	1,445.00	72,250.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
28	Providing wooden curbing ducting for the thyrestor test pit of the rotors etc for carrying out testing of equipment using 8 mm thick comml.ply sheets of approved quality and wooden scantlings (Non teak) of size 50 x 76 mm of length 1.8 M to 2.4 M of approved quality. The ducting ply sheet panels of required shape are prepared with necessary wooden runners all round ply sheets and cross members at required intervals based on required shape of ducting to suit the equipment to be tested, as directed by the Engineer in charge.The manufactured ply sheet panels are to be assembled after equipment is put on the test bed as directed by the Engineer-In-charge, using MS nails, screws etc.The contractor shall engage necessary skilled and unskilled labour during the testing period to rectify/modify the ducting already provided to meet the testing requirements during test run. Ducting is to be dismantled after testing is conducted . The rate quoted shall include cost of supply of all materials, labours, tools & tackles, PPEs and conveyance etc complete.	600.00	One Sq.m	184.00	1,10,400.00
<b>Total Value of work</b>				<b>Total Rs:</b>	<b>7,73,924.00</b>
<b>Total : Rs. Seven lakhs seventy three thousand nine hundred twenty four only.</b>					

**Service Tax:-** Service tax is extra as applicable, which will be reimbursable to the agency on production of Valid documents and VAT not applicable.

**VAT-** VAT applicable for the material supplied by agency for the work.

**Note :** The bidders are required to quote the tender value on percentage (%) basis at excess or less on par with estimate value

Tender %	In figure	In words
Excess		
Less		
Estimated value		

Name of the Contractor :

Signature of the Contractor

Accounts Representative

Opening officer