



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-20/2011-12, Dt: 09.01.2012

PRICE BID

Item no.: 1

Name of work: Maintenance and up keeping of shop floors and inside shop Annexes of production blocks in Factory area (2012 to 2014).

Note: The details of various house keeping activities daily is attached along with Price bid also.

SI no	Name of the block	Qty for 24 months (operations)	Unit	Unit rate (in Rs)	Total amount (in Rs)
	Part A - SHOP FLOORS				
1	01 Block (Total floor area cleaning 21,994 sq.m.) = One operation- Estimated 13- USW for one operation.	660.00	Each oper	7535.75	4973597.54
2	02 Block (Total floor area 21,637.50 sq.m.) = One operation.Estimated 11-USW for one operation.	660.00	Each oper	6415.01	4233905.08
3	03 Block (Total floor area 10,383 sq.m.) = One operation.Estimated 3-USW for one operation.	640.00	Each oper	1912.76	1224167.38
4	04 Block (Total floor area 4,500 sq.m.) = One operation.Estimated 2-USW for one operation.	640.00	Each oper	1219.32	780361.85
5	05 Block (Total floor area 1,700 sq.m.) = One operation.Estimated 1-USW for one operation.	640.00	Each oper	747.77	478574.77
6a	06 Block (Total floor area 12,000 sq.m.) in cluding new expansion Bay, Stores,NDT= One operation. Estimated 8-USW for one operation.	660.00	Each oper	4683.92	3091384.15
6b	06/2 Block (Total floor area 1,872 sq.m.) = One operation.Estimated 1-USW for one operation.	660.00	Each oper	545.10	359766.00
7	07 & 10 RS Block (Total floor area 3,950 sq.m.) = One operation.Estimated 2-USW for one operation.	640.00	Each oper	1224.82	783881.85
8	08 Block (Total floor area 1,500 sq.m.) = One operation.Estimated 1-USW for one operation.	640.00	Each oper	738.39	472568.62
9	09 Block, 09 CDC (Total floor area 2700 sq.m.) = One operation. Estimated 1-U.S.W for one operation.	640.00	Each oper	738.39	472568.62
10	51 Block including new expansion stores bay (Total floor area 12,754 sq.m.) = One operation. Estimated 6-USW for one operation.	660.00	Each oper	3710.83	2449148.31
11	70 Pump shop (Total floor area 17,724 sq.m.) = One operation.Estimated 8-U.S.W for one operation.	660.00	Each oper	4894.49	3230364.92

SI no	Name of the block	Qty for 24 months (operations)	Unit	Unit rate (in Rs)	Total amount (in Rs)
12	Services Plants	660.00	Each oper	2547.67	1681461.69
a)	Gas Service & Transport work shops (Total floor area 12,580 sq.m.) = One operation. Estimated 4-USW for one operation.				
12	Diesel power house (Total floor area 5,000 sq.m.) = One operation. Estimated 1-U.S.W for one operation.	207.00	Each oper	545.10	112835.70
b)					
13	GT 9FA Assembly & Test plant (Total floor area 5,550 sq.m.) = One operation. Estimated 2-USW for one operation.	660.00	Each oper	1399.55	923700.46
a					
13	GT Machine Shop, Rotor Assembly, GT Test bay, Shop Annexe bldgs (Total floor area 8,376 sq.m.) = One operation. Estimated 10-USW for one operation.	660.00	Each oper	5935.65	3917531.54
b					
14	New Blade Shop (Floor area 4543 Sq.m.) = One operation 2-USW for one operation.	660.00	Each oper	1338.39	883338.92
15	11 Block & other stores, K Gate (18,970 Sq.m.) = One operation 7-USW for one operation.	640.00	Each oper	4184.32	2677961.85
			Sub total (Shop floors)	Rs.	3,27,47,119.24
	Part-B- TOILETS				
1	01 Block (Toilet locations-7nos, cleaning area 673 sq.m.) = One operation. Estimated 3 -USW for one operation.	660.00	Each oper	1635.30	1079298.00
2	02 Block (Toilet locations-11nos, cleaning area 621 sq.m.) = One operation. Estimated 2 -USW for one operation.	660.00	Each oper	1090.20	719532.00
3	03 Block (Toilet locations-7nos, cleaning area 466 sq.m.) = One operation..Estimated 2 -USW for one operation.	640.00	Each oper	1090.20	697728.00
4	04 Block (Toilet locations-4nos, cleaning area 260 sq.m.) = One operation..Estimated 1 -USW for one operation.	640.00	Each oper	545.10	348864.00
5	05 Block (Toilet locations-5nos, cleaning area 308 sq.m.) = One operation..Estimated 1 -USW for one operation.	640.00	Each oper	545.10	348864.00
6	06 Block (Toilet locations-5nos, cleaning area 375 sq.m.) = One operation..Estimated 1 -USW for one operation.	660.00	Each oper	545.10	359766.00
7	07 & 10 RS Block (Toilet locations-3nos, cleaning area 243 sq.m.) = One operation..Estimated 1 -U.S.W for one operation.	640.00	Each oper	545.10	348864.00

SI no	Name of the block	Qty for 24 months (operations)	Unit	Unit rate (in Rs)	Total amount (in Rs)
8	08 Block (Toilet locations-3nos, cleaning area 135 sq.m.) = One operation..Estimated 1 -USW for one operation.	640.00	Each oper	545.10	348864.00
9	09 & 09 CDC Block (Toilet locations-2 nos., cleaning area 240 sq.m.) = One operation. Estimated 1 -USW for one operation.	640.00	Each oper	545.10	348864.00
10	51 Block (Toilet locations-9nos, cleaning area 881 sq.m.) = One operation..Estimated 2 -USW for one operation.	660.00	Each oper	1090.20	719532.00
11	70 Pump shop (Toilet locations-8nos cleaning area 550 sq.m.) = One operation..Estimated 3 -USW for one operation.	660.00	Each oper	1635.30	1079298.00
12	Service Plants	660.00	Each oper	1090.20	719532.00
a)	Gas Service & Transport work shops (Toilet locations-5nos, cleaning area 368 sq.m.) = One operation..Estimated 2 -USW for one operation.				
12	Diesel power house (Toilet cleaning area 250 sq.m.) = One operation. Estimated 1 -USW for one operation.	500.00	Each oper	545.10	272550.00
b)					
13	GT 9FA Assembly & Test plant (Toilet locations-3 no.s, cleaning area 368 sq.m.) = One operation. Estimated 1 - USW for one operation.	660.00	Each oper	545.10	359766.00
a					
13	GT Complex areas GT Machine Shop, Rotor Assembly, Fr 5, GT Test bay , Annexe bldgs (Toilet locations- 7no.s, cleaning area 577 sq.m.) = One operation. Estimated 2 - USW for one operation.	660.00	Each oper	1090.20	719532.00
b					
14	New Blade Shop (Toilet locations- 6no.s, cleaning area 424 sq.m.) = One operation. Estimated 2 - USW for one operation.	660.00	Each oper	1090.20	719532.00

SI no	Name of the block	Qty for 24 months (operations)	Unit	Unit rate (in Rs)	Total amount (in Rs)
15	11 Block , other stores and new K gate areas (Toilet locations-9 no.s, cleaning area 350 sq.m.) = One operation. Estimated 2 - USW for one operation.	640.00	Each oper	1090.20	697728.00
			Sub total (Toilets)	Rs.	98,88,114.00
	Total Value of work (Shop floors + Toilets)			Rs.	4,26,35,233.24
Total : Rs. Four crores twenty six lakhs thirty five thousand two hundred and thirty three only					

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

Tender %	In figure	In words
Excess		
Less		
Estimated value		

- Note:-**
- 1) Service tax extra as applicable. This will be reimbursed to the agency on submission of valid document to BHEL.
 - 2) The contractor shall pay the minimum wages to the Labour as per BHEL, HR-IR Circular being issued from time to time.
 - 3) Bonus 20% on basic of minimum wage of Rs 3500.00 per month to be paid by the contractor to contract work force.
 - 4) Sanitation, cleaning material shall be arranged by the contractor at their cost well in advance.
 - 5) Any increase in future DA of contract work force has to be born by the contractor. BHEL will not reimburse this amount
 - 6) Contractor's are advised to quote their rates keeping inview of increase in minimum wages of DA of contract work force.
 - 7) The contractor shall arrange all sanitation cleaning materials every month positively as per monthly requirement list of materials for each block every month.
 - 8) Incase the contractor fails to supply required monthly sanitary materials as per list enclosed to all blocks, the department/Shop-in-charge shall procure the required sanitary materials at the cost and risk of the contractor and the proportionate cost of the materials will be recovered from the bills due to the contractor.
 - 9) Incase required manpower is not engaged on any day on the work proportionate wages will be recovered from the bills due to the contractor as per the rate worked out by the department as enclosed in technical/price bid.
 - 10) Contractor has to issue TWO pairs of uniform cloth along with stitching charges to each worker per year.
 - 11) Contractor has to issue ONE pair of safety shoes to each worker per year.
 - 12) Monthly requirement of Sanitary materials for all production blocks is also attached for information.

Name of the Contractor :

Signature of the Contractor

Accounts Representative

Opening officer

Scope of work

Name of work: Maintenance and up keeping of shop floors and inside shop Annexes of production blocks in Factory area.

- i. **Maintenance of Sanitation in Shop floors manually** involving various activities as detailed below. The rate quoted shall include cost of all labour, sanitary consumables and cleaning tools and tackles for carrying out the following sanitary operations. Each operation consisting of following activities

from Sl. No. i) to viii), in a day.

- i. Sweeping of shop floor area as under **once in a day**.
 - A) Gangways including Rail way track
 - B) Open areas
 - C) Cabins/Shop Annexes
 - D) Cycles around the blocks
- ii. Scrubbing Cleaning and removal of dust silt & muck including surroundings areas of machines and oil storage areas **once in a day**.
- iii. Collection of garbage and rubbish, conveying and depositing the same in garbage bins located outside the block in segregated fashion as per instructions of Shop in-charge **once in a day**.
- iv. The materials which come in the way of sweeping floors, shall also be handled and kept at locations as per instructions of shop-in-charge.
- v. Chips collected while sweeping in the shop floor are to be deposited separately in the bins provided for the purpose near the machines.
- vi. The materials which can be handled manually (up to 5 Kg) lying/available in the sweepable areas shall be shifted to a suitable location in consultation with the machine operator/supervisor of the shop floor. (Other than machined components)
- vii. Dusting of all partitions, doors, windows, venetian blinds, curtains, water coolers, air coolers, refrigerators etc. **once in a day**.
- viii. Cobweb cleaning in all parts of building /cabins in shop floor upto a height of 4 Mts. **Once in a week**.
- ix. **Maintenance of log book on daily basis for the work done in shop floor areas/cabin/gangways.**
- x. The contract shall deploy the work force as per prescribed times by the shop-in charge generally during 6.00AM to 2.30PM.

Signature and Seal of the Contractor

- II. **Maintenance of Sanitation of Toilets manually** located in production blocks/shop annexes involving various activities such as cleaning of fittings, sweeping, washing of floors/walls. The rate quoted shall include cost of all labour cleaning tools, cost of sanitary consumables for carrying out the following operations completely. Each operation consisting of following activities from Sl. No. (1) to (10) in a day.
1. Scrubbing and cleaning of floors with required detergents **once in a day**.
 2. Scrubbing and cleaning of W.C/Urinals on daily basis (WCs whenever it is soiled and urinals **minimum twice in a day**).
 3. Washing of walls/ skirting of toilets **once in a day**
 4. Disinfecting of floors, W.Cs, urinals with phenyl **once in a day**.
 5. Washing and cleaning of wash basins on daily basis, **minimum twice in a day**.
 6. Cleaning of mirrors and dusting of doors etc., **once in a day**.
 7. Dusting of electrical fittings etc. **once in a week**.
 8. Removing of Cobwebs **once in a week**
 9. Reporting Plumbing/electrical complaints on regular basis to the concerned.
 10. Maintenance of records and inventories.

Any other miscellaneous works for completion of the above works as directed by Shop-in-charge.

The required sanitary materials for one month quantity has to be supplied well in advance before commencement of the work.

ISSUING OFFICER

Signature and Seal of the Contractor

Annexure

MONTHLY REQUIREMENT OF SANITARY MATERIALS FOR CLEANING

SHOP FLOOR AND TOILET AREAS OF 01, 02, 03 & 04 BLOCKS

w.e.f: 01.03.2012 to 28.02.2014

Sl.No	Description of Material	Rate(Rs)	Unit	01 Block	01 Block amount	02 block	02 Block amount	03 block	03 Block amount	04 block	04 Block amount
				Qty		Qty		Qty No		Qty No	
1	Cocount Brooms (500 gm)	7.00	Each	81.00	567.00	77.00	539.00	40	280.00	25.00	175.00
2	Soft Brooms(500gms)	45.00	Each	23.00	1035.00	26.00	1170.00	10	450.00	6.00	270.00
3	Round puff W.C brushes	17.50	Each	12.00	210.00	10.00	175.00	8	140.00	4.00	70.00
4	Moratic acid	11.00	Litre	12.00	132.00	10.00	110.00	7	77.00	3.00	33.00
5	Scented phenyl (Fantoosh/Bengal chemicals)	320.00	Litre	12.00	3840.00	10.00	3200.00	7	2240.00	3.00	960.00
6	Cleaning solution	18.00	Litre	12.00	216.00	10.00	180.00	7	126.00	3.00	54.00
7	Vim powder 1 kg pack	22.00	1 Kg	22.00	484.00	21.00	462.00	15	330.00	5.00	110.00
8	Hemo col cubes (400gms pack)	110.00	1 Pkt	12.00	1320.00	10.00	1100.00	7	770.00	3.00	330.00
9	Bleaching power (25 Kgs Bag (Sriram/Vikram brand))	610.00	1 Bag	1.00	610.00	1.50	915.00	1	610.00	0.50	305.00
10	Cobweb Broom with 15'stick	30.00	Each	14.00	420.00	13.00	390.00	8	240.00	4.00	120.00
11	Choke remover big	12.00	Each	3.00	36.00	3.00	36.00	2	24.00	2.00	24.00
12	Coir Brushes (8")	15.00	Each	23.00	345.00	19.00	285.00	15	225.00	8.00	120.00
13	Dettol	130.00	Litre	12.00	1560.00	10.00	1300.00	7	910.00	3.00	390.00
14	Cora cloth 1.05 m width thick quality	23.60	1 Mtr	23.00	542.80	26.00	613.60	20	472.00	10.00	236.00
15	Gunny cloth thick quality	16.00	1 Mtr	23.00	368.00	26.00	416.00	20	320.00	10.00	160.00
Grand total					11685.80		10891.60		7214.00		3357.00

Note: Any increase in the rates of above materials has to be borne by the agency.

CONTRACTOR(S)

ISSUING AUTHORITY

Annexure

MONTHLY REQUIREMENT OF SANITARY MATERIALS FOR CLEANING

SHOP FLOORS AND TOILET AREAS OF Service plant, GT IX F Assembly & Test plant, Blade Shop and 11 Block

Sl.No	Description of Material	Rate(Rs)	Unit	Service plants	Service plants-amount	9FA Assembly & Test plant	9FA Assembly & Test plant Amount	GT M/C shop, Assly, Test bay expn	GT M/C shop ,Assly & Test plant-amount	New Blade Shop	NewBlade Shop Amount	11 Block & other stores, K gate	11 Block, Other stores, K gate Amount
				Qty		Qty				Qty		Qty	
1	Cocount Brooms (500 grm)	7.00	Each	65.00	455.00	30.00	210.00	45.00	315.00	24.00	168.00	70.00	490.00
2	Soft Brooms(500gms)	45.00	Each	20.00	900.00	15.00	675.00	23.00	1035.00	12.00	540.00	20.00	900.00
3	Round puff W.C brushes	17.00	Each	10.00	170.00	9.00	153.00	14.00	238.00	7.00	122.00	10.00	170.00
4	Moratic acid	11.00	Litre	10.00	110.00	9.00	99.00	14.00	154.00	7.00	79.00	10.00	110.00
5	Scented phenyl (Fantoosh/Bengal	320.00	Litre	10.00	3200.00	9.00	2880.00	14.00	4480.00	7.00	2240.00	10.00	3200.00
6	Cleaning solution	18.00	Litre	10.00	180.00	9.00	162.00	14.00	252.00	7.00	130.00	10.00	180.00
7	Vim powder	22.00	1 Kg	20.00	440.00	15.00	330.00	23.00	506.00	12.00	264.00	20.00	440.00
8	Hemo col cubes (400gms pack)	110.00	1 Pkt	10.00	1100.00	8.00	880.00	12.00	1320.00	6.50	715.00	10.00	1100.00
9	Bleaching power (25 Kgs Bag (Sriram/Vikram brand)	610.00	1 Bag	1.00	610.00	1.00	610.00	2.00	1220.00	1.00	610.00	1.00	610.00
10	Cobweb Broom with 15'stick	30.00	Each	12.00	360.00	9.00	270.00	14.00	420.00	7.20	216.00	12.00	360.00
11	Choke remover big	12.00	Each	2.00	24.00	2.00	24.00	3.00	36.00	2.00	19.00	2.00	24.00
12	Coir Brushes (8")	15.00	Each	20.00	300.00	18.00	270.00	27.00	405.00	14.00	210.00	20.00	300.00
13	Dettol	110.00	Liter	10.00	1100.00	8.00	880.00	12.00	1320.00	6.00	660.00	10.00	1100.00
14	Cora cloth 1.05 m width thick quality	14.00	1 Mtr	20.00	280.00	20.00	280.00	30.00	420.00	16.00	224.00	20.00	280.00
15	Gunny cloth thick quality	16.00	1 Mtr	20.00	320.00	20.00	320.00	30.00	480.00	16.00	256.00	20.00	320.00
Grand total					9549.00		8043.00		12601.00		6453.00		9584.00

Note: Any increase in the rates of above materials has to be borne by the agency.

CONTRACTOR(S)

ISSUING AUTHORITY

**MONTHLY REQUIREMENT OF SANITARY MATERIALS FOR CLEANING
SHOP FLOORS AND TOILET AREAS OF 08, 09, 09 CDC , 70 , 51 Block & 51 stores**

Sl.No	Description of Material	Rate(Rs)	Unit	08 Block	08-amount	09 Block	09 including 09 CDC amount	70 block	70-amount	51 block	51-amount
				Qty		Qty		Qty		Qty	
1	Cocount Brooms (500 grm)	7.00	Each	10.00	70.00	10.00	70.00	100.00	700.00	56.00	392.00
2	Soft Brooms(500gms)	45.00	Each	5.00	225.00	5.00	225.00	48.00	2160.00	24.00	1080.00
3	Round puff W.C brushes	17.00	Each	5.00	85.00	5.00	85.00	16.00	272.00	13.00	221.00
4	Moratic acid	11.00	Litre	6.00	66.00	6.00	66.00	12.00	132.00	11.00	121.00
5	Scented phenyl (Fantoosh/Bengal chemicals)	320.00	Litre	6.00	1920.00	6.00	1920.00	12.00	3840.00	11.00	3520.00
6	Cleaning solution	18.00	Litre	6.00	108.00	6.00	108.00	12.00	216.00	11.00	198.00
7	Vim powder	22.00	1 Kg	10.00	220.00	10.00	220.00	20.00	440.00	24.00	528.00
8	Homocol cubes (400gms pack)	110.00	1 Pkt	5.00	550.00	5.00	550.00	12.00	1320.00	11.00	1210.00
9	Bleaching power (25 Kgs Bag (Sriram/Vikram brand))	610.00	1 Bag	0.75	457.50	0.75	457.50	2.00	1220.00	2.00	1220.00
10	Cobweb Broom with 15'stick	30.00	Each	5.00	150.00	5.00	150.00	16.00	480.00	13.00	390.00
11	Choke remover big	12.00	Each	2.00	24.00	2.00	24.00	8.00	96.00	3.00	36.00
12	Coir Brushes (8")	15.00	Each	10.00	150.00	10.00	150.00	32.00	480.00	24.00	360.00
13	Dettol	110.00	Liter	5.00	550.00	5.00	550.00	12.00	1320.00	11.00	1210.00
14	Cora cloth 1.05 m width thick quality	14.00	1 Mtr	15.00	210.00	15.00	210.00	40.00	560.00	32.00	448.00
15	Gunny cloth thick quality	16.00	1 Mtr	15.00	240.00	15.00	240.00	40.00	640.00	32.00	512.00
Grand total					5025.50		5025.50		13876.00		11446.00

Note: Any increase in the rates of above materials has to be borne by the agency.

CONTRACTOR(S)

ISSUING AUTHORITY

Annexure

**MONTHLY REQUIREMENT OF SANITARY MATERIALS FOR CLEANING
SHOP FLOORS AND TOILET AREAS OF 05,06,& 07(10RS) BLOCKS**

Sl.No	Description of Material	Rate(Rs)	Unit	05 Block	05-amount	06 Block	06 Block	07/10 RS	07/10 RS - amount
				Qty		Qty		Qty	
1	Cocount Brooms (500 gm)	7.00	Each	10.00	70.00	50.00	350.00	20.00	140.00
2	Soft Brooms(500gms)	45.00	Each	5.00	225.00	20.00	900.00	10.00	450.00
3	Round puff W.C brushes	17.00	Each	5.00	85.00	8.00	136.00	4.00	68.00
4	Moratic acid	11.00	Litre	6.00	66.00	8.00	88.00	3.00	33.00
5	Scented phenyl (Fantoosh/Bengal chemicals)	320.00	Litre	6.00	1920.00	8.00	2560.00	3.00	960.00
6	Cleaning solution	18.00	Litre	6.00	108.00	8.00	144.00	3.00	54.00
7	Vim powder	22.00	1 Kg	10.00	220.00	16.00	352.00	5.00	110.00
8	Hemo col cubes (400gms pack)	110.00	1 Pkt	5.00	550.00	8.00	880.00	3.00	330.00
9	Bleaching power (25 Kgs Bag (Sriram/Vikram brand))	610.00	1 Bag	0.75	457.50	1.00	610.00	0.50	305.00
10	Cobweb Broom with 15'stick	30.00	Each	5.00	150.00	10.00	300.00	4.00	120.00
11	Choke remover big	12.00	Each	2.00	24.00	2.00	24.00	2.00	24.00
12	Coir Brushes (8")	15.00	Each	10.00	150.00	15.00	225.00	8.00	120.00
13	Dettol	130.00	Litre	5.00	650.00	8.00	1040.00	3.00	390.00
14	Cora cloth 1.05 m width thick quality	23.60	1 Mtr	15.00	354.00	20.00	472.00	10.00	236.00
15	Gunny cloth thick quality	16.00	1 Mtr	15.00	240.00	20.00	320.00	10.00	160.00
Grand total					5269.50		8401.00		3500.00

Note: Any increase in the rates of above materials has to be borne by the agency.

CONTRACTOR(S)

ISSUING AUTHORITY