



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

**SCHEDULE- A**

**PRICE BID**

Tender Notice No:

HY/FCD/OT-04/19-20, Dt: 22.04.2019

Item no.: 1

**Name of work: Miscellaneous Machine foundations, Misc masonry works, Misc painting works in Factory area and admn building During 2019-20.**

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
	<b>Part-1: Misc. Machine foundations and other concrete works in Factory area</b>				
1	Dismantling of M15, M20 or M25 grade concrete including cutting of reinforcement steel bars & removal by mechanical means and disposing the debris within a lead of 2 Km within the factory area as directed by Engineer-In-Charge. The cost includes the Hire charges of all machinery/equipment, labour charges, cutting of steel, conveyance all complete	120.00	Cu.M	2,895.61	3,47,473.20
2	Extra for cutting of reinforcement bars manually/ mechanical means in R.C.C work or R.B work ( payment shall be made on the cross sectional area of RCC or RB work) as per directions of engineer in charge for pockets and laying cable lines.	90.00	Sqm	308.89	27,800.10
3.a	Earth work in excavation by mechanical means (Hydraulic Excavators) / manual means in foundations trenches or drains (not exceeding 1.5m in width or 10 Sq.m on plan) including dressing of sides and ramming of bottams, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.	330.00	Cu.m	124.26	41,005.80
3b	----do---- up to First additional depth of 1.50 M to 3.00 M.	25.00	Cu.M	157.13	3,928.25
3 C	----do---- up to second additional depth of 3.01 M to 4.00 M.	10.00	Cu.M	190.00	1,900.00
4	Earth work in excavation by mechanical means (Hydraulic Excavators) / manual means over areas (exceeding 30 cm in depth , 1.5 m in width as well as 10 Sq.m on plan) including disposal of excavated earth , lead upto 50 m and lift upto 1.5 m, disposing earth to be levelled and neatly dressed for <b>Hard Rock</b> (Blasting prohibited).	8.00	Cu.M	465.59	3,724.72
5	<b>Filling</b> available excavated earth (excluding rock) intranches, plinth , sides of foundations etc. in layers not exceeding 20 cm in depth , consolidation each deposited layer by ramming and watering , lead upto 50 m lift upto 1.5 m .	40.00	Cu.M	79.61	3,184.40
6	Conveyance of excavated spoil up to a lead of 2 Kms, including loading , unloading and spreading etc. complete as directed by Engineer- in- charge.	350.00	Cu.M	89.24	31,234.00
7a	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering ,including consolidation by vibrations for all works <b>up to plinth level</b> with <b>1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size )</b> . **	70.00	Cu.M	2,416.29	1,69,140.30
7b	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering including consolidation by vibrations for all works up to plinth level with <b>1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size)</b> . **	160.00	Cu.M	2,384.12	3,81,459.20

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
8	<b>Reinforced cement concrete</b> work in walls (any thickness) including consolidation by vibrations for all works attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, machine foundations, Posts and struts etc. <b>up to floor five level</b> excluding cost of centering, shuttering, finishing and reinforcement : <b>with 1:2:4</b> (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).**	25.00	Cu.M	3,205.54	80,138.50
9 a	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement, including consolidation by vibrations for all works (machine foundations) <b>up to plinth level</b> with <b>1:1½:3</b> (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size ).**	65.00	Cu.M	2,523.20	1,64,008.00
9 b	<b>Reinforced cement concrete</b> work in walls (any thickness) including consolidation by vibrations for all works attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, machine foundations, Posts and struts etc. <b>up to floor five level</b> excluding cost of centering, shuttering, finishing and reinforcement : <b>with 1:1½:3</b> (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size).**	20.00	Cu.M	3,132.15	62,643.00
10	<b>Reinforcement</b> for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete by cold twisted bars (BHEL will issue Tor Steel at their stores on free of cost).	3.00	M.T	7,000.55	21,001.65
11	Brick work with FPS bricks of Ground moulded in superstructure above plinth level up to floor V level in all shapes and sizes in cement mortar 1:6.**	150.00	Cu.M	3,236.65	4,85,497.50
b	Supply of FPS bricks of ground moulded class designation 7.5 for Dept. use.	3.00	1000 nos	2,755.00	8,265.00
12	Plastering in <b>CM 1:6, 20 mm</b> thick to internal and external surfaces of walls including the cost of all materials, labour, curing etc., complete - Upto 10.00 m height **	650.00	Sq.m	115.90	75,335.00
b	-----do-----for height 10.01 m to 13.00 m height. **	10.00	Sq.m	143.30	1,433.00
c	-----do-----for height 13.01 m to 16.00 m height. **	5.00	Sq.m	170.71	853.55
d	-----do-----for height 16.01 m to 19.00 m height. **	5.00	Sq.m	198.12	990.60
13	<b>Centering</b> and shuttering including strutting, propping etc.; and removal of form for walls(any thickness) including attached pilasters, buttresses, plinth and string courses etc.,.	150.00	Sq.M	158.55	23,782.50
b	-----do----- for pockets	30.00	Sq.M	270.89	8,126.70
14	Finishing with <b>Epoxy paint (two or more coats) of ASIAN or BERGER make</b> at all locations prepared and applied as per manufactures specifications including appropriate priming coat, preparation of surface, cost of all materials etc are included in the item.; complete on concrete work.	95.00	Sq.M	74.95	7,120.25
15	Fabrication and fixing <b>inserts</b> in concrete wall with lugs of required dia welded to the insert plates.(St. Steel, electrodes and gas required for work will be issued on free of cost by BHEL at BHEL stores) Scrap material can be used.	2.00	MT	3,081.04	6,162.08
16	Providing structural steel works in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete and dismantling steel work in single sections including dismembering and stacking within 50 m lead in channels, angles, tees and flats. <b>(For temporary barricade/enclosure) Scrap material can be used</b>	2.00	MT	4,664.68	9,329.36
17	Fixing the old/ used A.C. sheets for barricading the foundation works and removing the same after the work is over for side walls in the Factory blocks and sheds and at all height including transportation of A.C. sheets and disposing off old sheets to a lead of 2 K.Ms. Etc., complete as directed. (Required consumable materials will be supplied by BHEL free of cost at BHEL stores).	110.00	Sq.M	34.75	3,822.50

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
18	Supplying and filling in plinth with <b>river sand</b> under floors including, watering, ramming consolidating and dressing complete.	5.00	Cu.M	859.88	4,299.40
19	Grouting of bolt pockets in <b>Cement Mortar 1:1</b> including the cost of all materials, labour, curing etc., complete. **	3.00	Cu.M	721.34	2,164.02
20	Grouting of bolt pockets with grout mix of specified proportion by the manufacturer, including cost of labour and incidentals etc. (The grout mix will be supplied free of cost by BHEL at BHEL stores)	3.00	Cu.M	1,238.50	3,715.50
21	Granolithic topping of 25 mm thick using 1 cement 1 granite chips of 10mm down graded laid over base concrete when it is green conditions and <b>ironite finishing</b> 12mm thick using a mix of 50Kg of ironite , 200 Kg of cement and 0.30 Cu.m of granite metal 6mm down graded including cost of form work , curing etc. complete. **	10.00	Sq.m	241.81	2,418.10
22a	Supplying and fixing position 40 mm thick fibre glass covered by cotton cloth (netted) fixed in position and covered with aluminium perforated sheet above the insulation for the foundation including fixtures and accessories and cost of all materials, labour etc., complete. Rock wool shall be of standard quality.	10.00	Sq.M	514.55	5,145.50
b	Supply and fixing in position 60 mm thick / 30 mm thick in two layers <b>thermo coal</b> including cost of materials, labour etc., complete.	10.00	Sq.M	380.95	3,809.50
23	<b>Concrete Drilling for Bolts:-</b> Drilling of holes with electrical drilling machines in RCC / PCC, in various sizes as follows, including drilling of holes, cleaning of holes, removal and disposal of debris from site. The rate includes machinery, labour, tools and tackles, transportation etc. complete.				
a)	20 mm drilling in 500 mm depth	9.00	Each	631.00	5,679.00
b)	30 mm drilling in 500 mm depth	4.00	Each	751.12	3,004.48
c)	40 mm drilling in 500 mm depth	15.00	Each	961.75	14,426.25
24	<b>Core Cutting of pockets in concrete of size 250 mm or Dia :</b> Core cutting of pockets with electrical core cutting equipment in RCC / PCC, in various depths as follows, including core cutting pockets, cleaning of area, removal and disposal of debris from site. The rate includes hire charges of machinery, labour, tools and tackles, transportation etc. complete.				
a)	250 Dia Core Cutting 300 mm depth	4.00	Each	3,526.62	14,106.48
b)	250 Dia Core Cutting 500 mm depth	4.00	Each	4,694.46	18,777.84
25	<b>Core Cutting of pockets in concrete of size 300 mm Dia :</b> Core cutting of pockets with electrical core cutting equipment in RCC / PCC, in various depths as follows, including core cutting pockets, cleaning of area, removal and disposal of debris from site. The rate includes hire charges of machinery, labour, tools and tackles, transportation etc. complete.	0.00			
a)	300 Dia Core Cutting 200 mm depth	1.00	Each	3,155.10	3,155.10
a)	300 Dia Core Cutting 250 mm depth	2.00	Each	3,498.61	6,997.22
c)	300 Dia Core Cutting 300 mm depth	1.00	Each	3,816.67	3,816.67
e)	300 Dia Core Cutting 400 mm depth	1.00	Each	4,417.14	4,417.14
b)	300 Dia Core Cutting 500 mm depth	2.00	Each	5,088.88	10,177.76
26	Demolishing brick work manually / by mechanically means including stacking of serviceable material and disposing off unserviceable materials upto a lead of 2.00 KM as per directions of Engineer-in-charge. - in cement mortar	110.00	Cu.M	609.66	67,062.60
27	Demolishing stone rubble masonry manually / by means including stacking of serviceable material and disposing of unserviceable materials upto a lead of 2.00 KM as per directions of Engineer-in-charge. - in cement mortar	6.00	Cu.M	713.64	4,281.84
28	Dismantling doors, windows and clerestory windows (steel & wood) shutters including chowkhats, architrave, holdfasts etc. complete and stacking within 50 meters lead.	10.00	Sq.M	132.85	1,328.50

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
29	<b>Plain cement concrete work</b> (any thickness) including attached pilasters, buttresses, plinth and string courses, fillets, columns, lintels, beams, pillars, piers, abutments. Posts and struts etc. <b>up to floor five level</b> excluding cost of centering, shuttering, finishing and reinforcement : <b>with 1:2:4</b> (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size). **	10.00	Cu.M	3,136.72	31,367.20
30	Providing and laying in position <b>reinforced cement concrete</b> excluding cost of centering , shuttering, finishing and reinforcement all works <b>upto plinth level : with 1:2:4</b> (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size). **	1.00	One Cu.M	2,603.74	2,603.74
31	Coursed rubble masonry (second sort) with hard stone in foundations & plinth with cement mortar 1:6 ( 1 Cement : 6 Coarse sand). **	40.00	Cu.M	2,607.23	1,04,289.20
32a	Half brick masonry with FPS bricks of Ground moulded in superstructure above plinth level upto floor V level in cement mortar 1:4 (1 cement : 4 Coarse sand) including plastering with cement mortar 1:6 20 mm (1 cement : 6 coarse sand) on both sides. **	5.00	Sq.m	429.41	2,147.05
b	...do.. With reinforcement of 6 mm dia MS rounds at every 4th layer, but excluding cost of steel and its fabrication. **	3.00	Sq.m	429.41	1,288.23
33	Plastering in <b>CM 1:6 , 12 mm</b> thick to internal and external surfaces of walls including the cost of all materials, labour, curing etc., complete. **	150.00	Sq.m	86.13	12,919.50
34	Plastering to the ceiling in CM 1:3, 6mm (1 cement : fine sand). **	10.00	Sq.m	75.11	751.10
35	Finishing the top of the concrete flooring in CM 1:3, 15mm thick including neat finishing, curing etc; complete. **	110.00	Sq.m	107.13	11,784.30
36	Flooring in 25 mm thick using 1:3 (1 cement : 3 parts of granite stone chips of 3 to 10 mm gauge ( no sand ) ellies pattern first sort including neat finishing, curing, cost of materials etc.; complete. **	200.00	Sq.m	115.80	23,160.00
37	Flooring in 25 mm thick using 1:1 granolithic flooring in 25 mm thick ( 1 cement : 1 parts of granite stone chips of 3 to 10 mm gauge ( no sand ) ellies pattern first sort including neat finishing, curing, cost of materials etc; complete. **	50.00	Sq.m	37.91	1,895.50
38	Fixing Chowkhat in existing opening in brick / RCC wall with dash fastners of appropriate size / chemical fastener (3No.s on each vertical member of door chowkhat and 2 No.s on each verticle member of window 1.20m height as per CPWD specifications including cost of dash fasteners / chemical fastners.	3.00	Each	124.97	374.91
39	providing and fixing MS fan clamp type I or II of 16 mm dia MS bar bent to shape with hooked ends in RCC slabs, beams during laying including painting the exposed portion of of loop all as per standard design complete	8.00	Each	104.72	837.76
40	Dismantling the broken RCC covers and casting and fixing with new cable trench covers with reinforced cement concrete 1:1.5:3 using 20 mm and down graded metal including the cost of cutting, welding of angle iron frame, sprinkling of ironite at 2 Kgs/sq.m. and neat finishing excluding the cost of angle iron and M.S. reinforcement (Angle iron will be supplied by BHEL at their stores and M.S. rounds on cost recovery basis under separate item by BHEL at their stores). Thickness of covers will be varying from 75 mm to 100 mm.	30.00	Sq.m	308.47	9,254.10
41	Plastering over <b>roof slab in CM 1:4, 20mm</b> thick mixed with water proofing compound, Make: "Sika" @ 3% by weight of cement as per manufacturer's specification, curing as directed. Rate quoted shall include finishing, cost of all materials and labour etc., complete. (Cement =7.69 kgs/sq.m x3% WP@ Rs 20.00 per kg=Rs 4.61) upto 10 m height. **	250.00	Sq.m	117.42	29,355.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
42a	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green , black of any size as approved by engineer-in-charge in skirting , risers of steps and dados over 12mm thick bed of cement mortar 1:3 (1cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 Kg per Sq.m including painting in white cement mixed with pigment of matching shade complete. **	100.00	Sq.m	628.90	62,890.00
b	Providing and Laying ceramic glazed floor tiles 300 X 300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in colours such as white , Ivory , grey , fume red brown , laid on 20mm thick cement mortar 1:4 (1cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc.; complete.**	35.00	Sq.m	655.42	22,939.70
43	<b>Vitrified flooring</b> : Supply and laying of vitrified tiles/ nano technology of brighter shades and required design of premium quality (1st quality), in required texture and colour for floors/skirting/cladding using vitrified tiles of size 600 X 600 mm(± 5 mm), inclusive of cost of cutting , champering of tiles to required size, laid on 20mm thick or more as per site requirement to get proper slope <b>cement mortar 1:4 (1 cement : 4 coarse sand)</b> . The rate quoted shall include cost of all materials, labour, colour tint material, leads and lifts etc. complete. Amount will be paid on the basis of measurement of the area of finished work only. It also includes surface preparation of floor giving necessary slopes, cleaning joints and grouting joints with pigmented additives to match shade of the tile. This includes making pockets for electrical, communication, network cables, junction boxes etc. complete in all respects. (The cement will be issued free of cost by BHEL at BHEL stores).**	50.00	Sqm	1,150.44	57,522.00
44	Providing and fixing 10mm thick <b>acid and alkali resisitant tiles</b> of approved make and colour using acid and or aikali reisiting mortar bedding anf joints filled with acid and or alkali resisting cement as per Is:4457 complete as per the directions of Engineer-in-charge in flooring on a bed of 10 mm thick mortar 1:4 (1acid proof cement : 4 coarse sand) with acid and alkali resistant tile. **	70.00	Sq.m	982.90	68,803.00
45	Supply & fixing of 18 mm thick best quality Jet Black colour machine cut mirror polished granite slabs in required sizes for counter wash basins, floorings, vanity counter, claddings, facias etc. including cutting, champering, rounding and mirror polishing etc. complete as directed. Cost of granite slabs shall be Rs. 1600/- per Sq. m and granite slabs of required design and colour will be selected by department.**	100.00	Sq.m	2,774.20	2,77,420.00
46	Supply of JCB for levelling the surplus earth debris heaps located at various locations in factory area, as directed by Engineer-in-charge.The JCB should work minimum 8 machine hours per day. Rate includes all charges like fuel, hire charges etc.; complete.	50.00	One M/c Hour	593.75	29,687.50
47	Drilling of 14 mm dia holes up to half the depth of concrete and fixing PVC nozzles in to the holes with a plugging motor, pumping cement slurry with mixed grouting additives with the help of grout pump and removing PVC nozzles and plugging the holes etc. complete as directed by Engineer-in-charge. Rtae includes cost of all materials, labours, lead and lift etc. complete. Required tools and tackles shall be brought by agency.	25.00	point	80.89	2,022.25
48	Drilling of 14 mm dia holes on the face of the columns to a depth of 75 mm to 100 mm as directed by Engineer-in-charge. and fixing shear connector 10 mm dia using polyster resin grout as specified including cost of all materials, tools and tackels, leads and lifts, labour etc. complete as directed by Engineer-in-charge.	15.00	Each	200.62	3,009.30
<b>Total PART-1</b>					<b>₹ 29,04,463.40</b>

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
	<b>PART-2:-Miscellaneous painting works for Blocks, buildings, in Factory area and admn bldg during 2019-20.</b>				
1	Applying <b>epoxy / polurethane floor paint</b> two or more coats on concrete surface of approved shade ( <b>Berger/Asian make</b> ) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface etc., complete as directed including cost of epoxy paint and all materials.	280.00	One Sq.m	46.59	13,045.20
2	Applying <b>one or more coat of oil bound distemper</b> of given shade including scraping the old surfaces, cost of all labour and other incidentals ( <b>Only OBD Paint will be issued by BHEL at their stores</b> ).	4,000.00	One Sq.m	3.57	14,280.00
3	Applying <b>two or more coat of oil bound distemper</b> of given shade including scraping the old surfaces, cost of all labour and other incidentals ( <b>Only OBD Paint will be issued by BHEL at their stores</b> ).	3,500.00	One Sq.m	5.79	20,265.00
4	Applying <b>two coats of oil bound distemper</b> of given shade <b>over a coat of primer</b> including through cleaning of the surfaces, cost of all labour and other incidentals ( <b>Only OBD, will be supplied by BHEL</b> ).	6,000.00	One Sq.m	10.06	60,360.00
5	Applying <b>exterior emulsion paint two or more coats</b> of given shade on old surfaces of walls at all heights of the buildings of shop annexes including scraping the old surfaces, cost of all labour and other incidentals ( <b>Only exterior emulsion Paint will be supplied by BHEL</b> ).	22,000.00	One Sq.m	7.13	1,56,860.00
6	Applying <b>one or more coat of synthetic enamel paint</b> of given shade to old plastered surfaces of walls including scraping old surfacess, cost of all labour, tools and other incidentals etc., complete ( <b>Only Synthetic enamel Paint will be supplied by BHEL</b> ).	4,400.00	One Sq.m	4.72	20,768.00
7	Applying <b>two or more coat of synthetic enamel paint of given shade to old plastered surfaces</b> of walls including scraping old surfacess, cost of all labour, tools and other incidentals etc., complete ( <b>Only Synthetic enamel Paint will be supplied by BHEL</b> ).	1,200.00	One Sq.m	6.94	8,328.00
8	Applying <b>one or more coat of synthetic enamel paint</b> of given shade <b>to old wood work</b> including scraping old surfacess, cost of all labour, tools and other incidentals etc., complete ( <b>Only Synthetic enamel Paint will be supplied by BHEL</b> ).	700.00	One Sq.m	4.72	3,304.00
9	Applying <b>two or more of synthetic enamel paint</b> of given shade old wood work including scraping old surfacess, cost of all labour, tools and other incidentals etc., complete ( <b>Only Synthetic enamel Paint will be supplied by BHEL</b> ).	500.00	One Sq.m	6.94	3,470.00
10	Thorough cleaning of existing <b>oil bound distemper paint/white washing</b> with water by scrapers or any other suitable tools and applying one or more coat of white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth and applying one coat of oil bound distemper etc., complete as directed by the Engineer-in-charge ( <b>Only OBD Paint will be supplied by BHEL</b> ). Make:altek, Birla white.	200.00	One Sq.m	49.15	9,830.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
11	Applying <b>one or more coat of synthetic enamel paint</b> of given shade <b>to old steel work</b> including scraping old surfaces, cost of all labour, tools and other incidentals etc., complete <b>(Only Synthetic enamel Paint will be supplied by BHEL).</b>	1,000.00	One Sq.m	4.72	4,720.00
12	Applying <b>two or more coats of synthetic enamel paint</b> of given shade <b>to old steel work</b> including scraping old surfaces, cost of all labour, tools and other incidentals etc., complete <b>(Only Synthetic enamel Paint will be supplied by BHEL).</b>	500.00	One Sq.m	6.94	3,470.00
13	Applying <b>synthetic enamel paint one or more coats</b> to kerb stone of size 15x 15cms with paint of approved shade including cleaning the kerb stones with wire brushes before applying the paint, cost of all labour, tools and other incidentals etc. complete all as directed by Engineer-in-Charge. <b>(synthetic enamel Paint will be issued on FREE of cost by BHEL at BHEL stores).</b>	20,000.00	One R.m	1.36	27,200.00
14	Applying <b>synthetic enamel paint two or more coats</b> to kerb stone of size 15x 15cms with paint of approved shade including cleaning the kerb stones with wire brushes before applying the paint, cost of all labour, tools and other incidentals etc. complete all as directed by Engineer-in-Charge. <b>(synthetic enamel paint will be issued on FREE of cost by BHEL at BHEL stores).</b>	1,200.00	One R.m	1.64	1,968.00
15	Applying <b>synthetic enamel paint on BT surface two or more coats</b> for speed breakers with 15CMs wide strips with black and yellow or black and white colour paint of approved shade including cost of labour etc., complete and other incidentals etc., complete as directed by Engineer-in-charge <b>(synthetic enamel paint will be issued on FREE of cost by BHEL at BHEL stores).</b>	300.00	One Sq.M	10.75	3,225.00
16	Painting to railings upto 1.00 Mtr height with <b>one or more coats of synthetic enamel paint</b> of approved colour and brand including cost of all labour and other incidentals etc., complete as directed by Engineer-in-charge <b>(synthetic enamel paint will be issued on FREE of cost by BHEL at their stores).</b>	2,400.00	One Rm	4.13	9,912.00
17	Applying <b>synthetic enamel paint one or more coats</b> to Gang ways in Production blocks upto a width of 100 to 150mm on the existing lines, after through cleaning surface to be painted and removing oil traces and applying the paint to roper line and barricading the painted surfaces till it is dried up, including cost of all labour, tools and other incidentals etc., complete all as directed by Engineer-in-Charge <b>(During peak production period the work has to be carried out on holidays and in 3rd shift timings. synthetic enamel paint will be issued on FREE of cost by BHEL at their stores).</b>	500.00	One R.M	0.68	340.00
18	Painting to sign boards of various sizes at Factory blocks & buildings and boards placed at entrances at all heights with <b>two coats of synthetic enamel paint</b> of approved shade for back ground complete as directed by Engineer in charge including necessary scaffolding etc., complete. <b>(synthetic enamel paint will be issued on FREE of cost by BHEL at their stores).</b>	50.00	One Sq.m	21.18	1,059.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
19	Writing name boards of given size in three languages (Telugu, Hindi, and English) on both sides with synthetic enamel paint two coats of approved shade including scraping of name board with sand paper and lettering with black Japan paint of approved brand and manufacture as directed by Engineer-in-charge. The rate shall include all costs complete.	250.00	Per letter per cm height	0.54	135.00
20	<b>French Spirit polishing in two or more coats on New / Old Wood Works</b> , including a coat of wood filler.	110.00	Sq.m	93.51	10,286.10
21	<b>Painting at site of all structural steel work with 2 coats of aluminium paint / synthetic enamel paint of approved shade</b> to trusses, columns, girders, bracings ,compound wall fencing etc.,with aluminium paint or synthetic enamel paint as required etc., including scaffolding of required height complete. <b>The required paint only will be issued free of cost by BHEL at BHEL stores.</b>	1.00	MT	209.09	209.09
22	Finishing walls with textured exterior paint of required shade (two or more coats applied @ 3.28 Ltr/10 sq.m) over and including scraping the existing surfaces and application of base coat of water proofing cement paint applied @ 2.20 Kg /10 Sq.m, including supply paints by the agency.	520.00	Sq.m	80.07	41,636.40
23	Supply of Birla Wall care putty for filling the cracks of external surfaces of walls including all taxes, duties etc. complete all as directed by Engineer-in-charge.(For Filling the cracks labour payment is covered under applying of exterior emulsion paint).	500.00	Kg	15.98	7,990.00
	<b>Total Part-II</b>				<b>₹ 4,22,660.79</b>
	<b>Total Part I+II</b>				<b>₹ 33,27,124.19</b>

**Note: \*\*1. For Cement consuming items other than RMC , BHEL will issue cement on free of cost at BHEL stores.**

**2. Only Raw structural steel, electrodes, gases will be issued by BHEL at their stores**

**Note:**

1	<b>Risk Purchase :</b> In case the contractor fails to execute the work within the scheduled time or due to any other reasons, BHEL reserves the right to get the same completed through some other party at the risk & cost of the contractor and any additional expenditure incurred due to the same shall be charged to the contractor.
2	The rates are excluding GST.
3	The maintenance period is <b>06 months</b> . The security deposit will be released after satisfactory completion of the work and after getting I.R clearance and payment of final bill.
4	<b>Penalty terms:</b> a) In the event of delay in supply of goods and or services beyond contractual delivery date, penalty of 0.5% per week or part there of shall be levied on the gross value of work done subject to a maximum of 10% of the gross value of the total work executed. Penalty amount so determined along with GST if applicable thereon shall be recovered. b) If the contractor fails to deposit the required security deposit or commence the work within the period as per LOI/Contract. The EMD will be forfeited. c) If the agency fails to commence the work as requested by the department penalty of 0.5% on the gross value of work for weeks delay will be applicable. Penalty amount so determined along with GST if applicable thereon shall be recovered.
5	<b>Taxes:</b> Bidders shall quote their Basic price exclusive of taxes. The applicable taxes on supply of material or services, as the case may be viz.GST shall be quoted separately, clearly showing the Service Code/Tariff Head, Rate of Tax and Amount of Tax in the Bid. The reimbursement of taxes to the contractor is contingent upon fulfilment by the contractor of all statutory provisions as stipulated in the relevant taxation statute enabling BHEL to avail the eligible input tax credits. TDS at the rates prescribed under Income Tax Act shall be deducted from the payments due to Contractor and BHEL shall issue the necessary TDS Certificates for such deductions made.
6	The tender % age quoted by the contractor shall be inclusive of all taxes and duties other than GST as applicable from time to time.
7	All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirement, issued by IR section of HR department BHEL.
8	The agency shall submit the I.R. clearance certificate for the above work and arrange to get the final bill sent to Finance within one month from the actual date of completion of work.



S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
9	The agency has to pay the minimum wages to workers with statutory payments like ESI, PF etc., is as per BHEL notification and as per NIT. For USW= ₹ 496.97, SSW= ₹ 534.32, SW = ₹ 570.13 + ESI + PF + PPE's and other statutory if any increase in future DA is to be borne by the agency.				
10	The agency has to bring police clearance certificate for the work force.				
11	All the terms and conditions of the contact with respect to taxes & duties are subject to the new taxation laws introduced from time to time (e.g. GST). The terms and conditions will be modified in accordance with the provisions of new laws (e.g. GST).				
12	Payment shall be made stage wise on approval from engineer in charge				
13	Vendor shall raise GST invoice on BHEL Hyd GSTIN.				
14	If BHEL is unable to avail the input tax credit, the same amount shall be recovered from the vendor bills.				
	<b><u>GST CLAUSES</u></b>				
	Following points to be complied with :				
15	In case GST credit is delayed/denied to BHEL due to non/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 shall be recoverable from vendor along with interest levied/leviable on BHEL.				
16	In case vendor delays declaring such invoice in his return and GST credit availed by BHEL is denied or reversed subsequently as per GST law, GST amount paid by BHEL towards such ITC reversal as per GST law shall be recoverable from vendor/contractor along with interest levied / leviable on BHEL.				
17	The bidder shall arrange to send to BHEL, Hyderabad along with all the required documents as in Purchase Order, Tax Invoice (Original for Recipient) along with his bills.				
18	Vendor to ensure correct applicability of IGST/CGST/SGST/UTGST based on the Inter /Intra state movement Supply of goods and services or both.				
19	Taxes and duties prevalent on the contractual delivery date or the actual delivery date (in case of delay) whichever is lower shall be applicable paid. Composition Scheme to be addressed.				
20	Vendor shall note that the Invoice has to be raised quoting HSN Code of Goods or Accounting Code of Services or both wherever applicable.				
21	Invoice should mention BHEL-HPEP-HYDERABAD GSTIN: 36AAACB4146P1ZG or GSTIN of BHEL Nodal Agency as mentioned in PO.				
22	In case of any short supply of goods or service Vendor has to raise a credit note for short supplied quantity as per GST provisions.				
23	Any GST liability arising on BHEL under reverse charge before actual receipt of goods and or services and/or invoice thereof would be subject to recovery of interest leviable for the period between the date of such liability and actual date of eligibility of ITC based on receipt of goods, receipt of invoices and other conditions specified in GST law, as applicable.				
24	Penalty clause:- In the event of delay in supply of goods and or services beyond contractual delivery date, penalty of 0.5% per week or part there of shall be levied on the gross value of work done subject to a maximum of 10% of the gross value of the total work executed. Penalty amount so determined along with GST if applicable thereon shall be recovered.				
25	Supplier shall mention their GST registration number in all their invoices 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), item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, etc.				
26	A declaration to the effect that all tax liability as per GST rules and regulations shall be discharged.				
<b>Note :</b>	<b>The bidders are required to quote the tender value on percentage (%) basis at excess or less or on par with estimate value in figures and words</b>				

Tender %	In figure	In words
Excess		
Less		
Estimated value		