

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

SCHEDULE- A

Tender Notice No:

**PRICE BID**

HY/FCD/OT-45/2014-15, Dt: 11.03.15

Item no.:

2

**Name of work : Providing foundation for 5 T open gantry track with storage flooring  
at North West side of building 06 civil works .**

S.No.	Nature of work	Quantities	Unit	Rate in Rs.	Amount
1	Earth work in excavation in all soils 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 bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed , within a lead of 50M.	165.00	Cu.m	103.40	17061.00
2	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).	1.00	Cu.M	325.25	325.25
3	<b>Filling</b> with available excavated earth (excluding rock) in trenches , plinth , sides of foundations etc. in layers not exceeding 20 cm in depth , consolidation each deposited layer by ramming and watering , lead upto 50.00 m and lift upto 1.50 m.	105.00	Cu.M	45.70	4798.50
4	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</b> (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size ). <b>(Cement only will be issued on free of cost by BHEL)</b>	10.00	Cu.M	1560.00	15600.00
5	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 <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 ). <b>(Cement only will be issued on free of cost by BHEL)</b>	50.00	Cu.M	1,641.30	82065.00
6	RCC works in precast concrete work with cement coarse sand and 20 mm down gauge graded aggregate in proportion of 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm down size ) concrete rates to exclude cost of reinforcement but include cost of centering and including cost of all materials finishing and T & P required for proper completion of work	0.50	Cu.M	2,960.00	1480.00
7	<b>Reinforcement for R.C.C. work</b> including straightening , cutting , bending , placing in position and binding grills with binding wire all complete by cold twisted bars. <b>(Reinforcement will be issued on free of cost by BHEL)</b>	9.10	M.T	4003.00	36427.30

S.No.	Nature of work	Quantities	Unit	Rate in Rs.	Amount
8	<b>Centering</b> and shuttering including strutting, propping etc; and removal of form work, for foundations, footings, bases of columns etc. for mass concrete- up to plinth level.	145.00	Sq.m	119.25	17291.25
9	Preparation of subgrade by excavation earth to an average of 22.5 cm, dressing to camber and consolidation with road roller including making good the undulations etc. and disposal of surplus earth lead upto 50 m .	670.00	Sq.m	33.90	22,713.00
10	Providing and laying in position ready mix concrete manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 25 KM having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of <b>R.M.C</b> from transit mixer to site of laying, excluding the cost of centering, shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per ID: 9103 to accelerate/retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge. <b>M 30 grade</b> Reinforced cement concrete by using 400 kgs of cement per cu.m of concrete. All works upto floor V level. as per IS 456: 2000 for all concrete works upto	140.00	One Cu.m	4298.43	601780.20
11	<b>Conveyance</b> of excavated soil up to a lead of 2 Kms, including loading , unloading and spreading etc. complete as directed by Engineer- in- charge.	60.00	Cu.M	56.41	3384.60
12	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 their stores)	1.10	MT	2863.00	3149.30
13	Fabrication of structural steel work including all materials going into the process of fabrication and forming an integral part of steel work together with all shop and site rivets and electrodes for site welding as necessary and all site connections comprising sag rods, floor beams, girders, bracings, trusses and frame work for fixed false ceiling and for movable false ceiling, purlins with channel / angles, MS flat supports including all connections as per detailed drawings connected steel works etc., cleats, gusset plates, all bolts, nuts, washers, base plates, anchor bolts as per detailed drawings, cutting, welding and painting 2 coats of red-oxide primer before erection etc., complete. The rate shall include painting 2 coat of Red-oxide as per IS specifications and all charges for handling, leading and loading at the fabrication yard. The raw structural steel sections, electrodes, gasses will be issued by BHEL on FREE of cost at their stores.(Dismantled structures from the scrap yard can be used)	1.00	MT	6,747.58	6747.58

S.No.	Nature of work	Quantities	Unit	Rate in Rs.	Amount
14	Erection of Steel work out lined in item No.1 above including the charges for handling, leading and stacking at site at approved locations prior to erection including all site rivetting, bolting, jointing and site welding where ever required.	1.00	MT	2891.80	2891.80
15	Painting at site of all structural steel work with 2 coats of aluminium paint / synthetic enamel paint of approved shade to trusses, columns, girders, bracings etc., with aluminium paint or synthetic enamel paint as required etc., complete. The required paint only will be issued free of cost by B.H.E.L at their stores.	1.00	MT	494.50	494.50
16	Fixing 52 Kg rails for various gauges at crane girder level including fixing side guide angle etc., complete with necessary clamps required for fixing rails in position and alignment, leveling as per B.I.S 7215-1974. (M.S rails, M.S. Angles, Strl. steel, clamps, bolts & nuts etc will be issued free of cost by BHEL at their stores).	3.50	MT	9639.38	33,737.83
17	Removal of MS scrap and garbage collected in the dust bins conveying the garbage/scrap to the respective dumping yards to a lead of 2 km as directed by the Engineer In Charge. The rate includes cost of labours , required tractors, tools etc. all complete .	20.00	One MT	382.18	7643.60
	Estimated value of work.			<b>Total</b>	<b>857590.71</b>
	<b>Rs, Eight lakh fifty seven thousand five hundred ninety and paise seventy one only.</b>				

**Note:**

1	A penalty of 0.50 % of the gross value of work will be levied for every week's or part thereof delay in execution of work by the agency, subject to a maximum penalty of 10 % of gross value of the total work executed.
2	The rates are inclusive of all taxes and duties except Service tax, which is extra as per service tax norms will be paid by BHEL to the agency after submission of necessary documents.
3	100% Security Deposit is to be deposited before start of the work by the contractor
4	Delay in payment (within 15 days from the date of LOI) of SD may entail interest of the rate of 18%.
5	As This is one time work, payment to be released after completion of work.

**Note : 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 %</b>	<b>In figure</b>	<b>In words</b>	
<b>Excess</b>			
<b>Less</b>			
<b>Estimated value</b>			