



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

SCHEDULE- A

PRICE BID

Tender Notice No:

HY/FCD/OT-08/2008-09 , Dt: 16.09.08

Item no: 4

Name of Work:- Civil works for 5 T open Gantry yard at Oil rigs (8Mx135 M)

S.No	Description of the item	Qty	Unit	Rate	Amount
1	Earth work in excavation by mechanical means (Hydraulic Excavtors) / 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.	1020.00	One Cu.m	101.85	103887.00
2	Earth work in excavation by mechanical means (Hydraulic Excavtors) / 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 Hard Rock (Blasting prohibited).	10.00	One Cu.m	325.25	3252.50
3	Filling 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 m lift upto 1.5 m .	390.00	One Cu.m	45.70	17823.00
4	Coneyance of excavated spoil up to a lead of 2 Kms, including loading , unloading and spreading etc. complete as directed by Engineer- in- charge.	630.00	Cu.M	56.41	35538.30
5	Providing and laying in position cement concrete of specified garde, consolidation excluding the cost of centering and shuttering - all work up to plinth level with 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size).	190.00	One Cu.m	2449.00	465310.00
6	Providing and laying in position cement concrete of specified garde, consolidation excluding the cost of centering and shuttering - all work up to plinth level with 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size).	300.00	One Cu.m	3629.80	1088940.00

S.No	Description of the item	Qty	Unit	Rate	Amount
7	Casting and erection of precast RCC DSL posts with 1:1.5:3 with 20 mm metal.	15.00	One Cu.m	5243.25	78648.75
8	Centering and shuttering including strutting, propping etc; and removal of form for columns, pillars, peirs, abutments and struts.	1405.00	One Sq.m	119.25	167546.25
9	Reinforcement for R.C.C. work including straightening , cutting , bending , placing in position and binding all complete by cold twisted bars.(BHEL will issue Torsteel on cost recovery basis at Rs 31,750.00 per MT at BHEL stores)	26.40	One MT	42700.00	1127280.00
10	Providing and laying in position cement concrete of specified garde, consolidation excluding the cost of centering and shuttering - for flooring up to plinth level with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) including neat finish etc., complete.	142.00	One Cu.m	3257.45	462557.90
11	Fabrication and fixing inserts /angles in concrete wall with lugs of required dia welded to the insert plates/angles. (Strl. Steel, electrodes and gases required for work will be issued on free of cost by BHEL at their stores).	6.00	One MT	4000.00	24000.00
12	Fabrication and erection of structural steel work including all materials going into the process of fabrication and forming and integral form 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 coats of Red-oxide as per IS specifications and all charges for handling, leading and loading at the fabrication yard. (The raw structural steel sections will be supplied free of cost by B.H.E.L at their stores) for Bracing of DSL posts	4.60	One MT	11150.00	51290.00

S.No	Description of the item	Qty	Unit	Rate	Amount
13	Erection and fixing to line, level and grade CR 52 kg/m Rail at floor level including supplying and fixing of special clamps, nuts washers etc., complete all as per drawings. Only special clamps for 52 kg Rail and crane rails, fish plates will be issued free of cost by B.H.E.L at their stores. Special clamps and bases shall be welded at 450 mm centre to centre to approximately to the crane girders after aligning the rail. Alignment of crane rail shall be as per BIS code of practice (7215 / 1974). The rail shall be welded with suitable electrodes and shall conform to BIS specifications. The agency shall procure him self the electrodes specially required for welding the rail.	14.50	One MT	6000.00	87000.00
14	Painting to structural steel work with two or more coats of Aluminium paint / synthetic enamel paint of approved shade to trusses, columns girders, bracings etc; including cost of labour,paint etc., .	4.60	One MT	596.50	2743.90

3,715,817.60

Total:- Rupees Thirty seven lakhs fifteen thousand eight hundred and eighteen only.

I / We have quoted above [] / below [] (tick the relevant) for the rates given above.

% in words:

Name of the Contractor :

Accounts Representative

Opening officer