



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

SCHEDULE- A

Tender Notice No:

PRICE BID

HY/FCD/OT- 03 /2009-10 , Dt: - 10.06.2010

Item no : 01

Name of work : Water Distribution system at New Balde Shop (Construction of Over head reservoir of capacity 250 KL and laying of water lines).

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
1a	Earth work in excavation in all soils 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.	1585.00	Cu.m	103.40	163889.00
b	----do---- up to First additional depth of 1.50 M to 3.00 M.	45.00	Cu.m	122.30	5503.50
2	Earth work in excavation by mechanical means (Hydraulic Excavators) / manual measn 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).	406.00	Cu.M	325.25	132051.50
3	Providing and laying in position cement concrete of specified garde excluding the cost of centering and shuttering including consolidation by vibrations for all works up to plinth level with 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size).	4.00	Cu.M	2449.00	9796.00
4	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 up to plinth and above ground level all levels with 1:1½ :3 (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size).	133.00	Cu.M	3732.00	496356.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
5	Centering and shuttering including strutting, propping etc; and removal of form work, for columns, pillars,peirs,abutments,machine foundations, posts and struts.	830.00	Sq.M	180.40	149732.00
6	Reinforcment for R.C.C. work including straightening , cutting , bending , placing in position and binding grills with binding wire all complete by cold twisted bars.	14.00	M.T	42700.00	597800.00
7	Conveyance of excavated spoil up to a lead of 2 Kms, including loading , unloading and spreading etc. complete as directed by Engineer- in- charge.	25.00	Cu.M	56.41	1410.25
8	Cement Plaster to ceiling /walls with 12mm thick cement plaster finished with a floating coat of neat cement of mix 1:3 (1 cement : 3 fine sand) .	419.00	Sq.m	107.80	45168.20
9	Providing M.S. Ladder to over head tank upto 25.00 M height of 500 Kgs.	0.50	One MT	12560.00	6280.00
10	Providing and fixing water level indicator of height 25.00 M.	1.00	Each	10000.00	10000.00
11	Providing and laying double flanged (screwed / Welded) centrifugally (Spun) Ductile Iron pipes of class K - 9 conforming to IS : 8329 : of 150 mm dia Ductile Iron Double flanged .	140.00	One RM	3055.35	427749.00
12	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tall pieces if required will be paid separately): Class - II type of 150 mm dia.	3.00	Each	3889.75	11669.25
13a	Providing and laying Double Flanged (screwed / welded) centrifugal (spun) cast iron , class B (IS : 1536) --- for ---- 100 mm dia pipe.	105.00	RMT	1151.15	120870.75
b	Providing flanged joints to double flanged C.I / D.I pipes and specials including testing of joints. --- for --- 80 mm dia pipe.	21.00	Each	65.60	1377.60
14a	Supply and Fixing C.I. sluice values with operating wheel as per IS with flanged joints rubber insertion with bolts , nuts and washers. --for ---dia 80 mm dia pipe.(as per IS 14846 / 2000) .	40.00	Each	5140.00	205600.00
b	-----do-----for ---200 mm dia pipe.	4.00	Each	17713.00	70852.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
15	Filling 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 .	1630.00	Cu.M	45.70	74491.00
16	Construction of Rectangular Manhole of inside dimensions 1.20 x 0.90 M including Earth work, bed concrete 1:2:4 – 200 mm thick, walls with C.R.S Masonry 2 nd sort in C.M (1:6) of 0.45 M width, plastering walls inside, out side with C.M (1:4) / 20 mm channeling, inside manhole neat finishing, fixing C.I Foot steps at 400 c/c. Fixing of Angle iron frame with 75 x 75 x 6 lugs welded in C.C 1:2:4 on top of wall of 10 cms thick including back filling etc., complete. including casting & placing in position of RCC cover for the manhole. (M.S. Angle, will be issued free of cost). _ Manholes upto 1.50M depth.	4.00	Each	12000.00	48000.00
17	Providing and Fixing G.I pipes complete with G.I fittings including trenching and refilling etc. -- for---80mm dia nominal bore.	1340.00	One RM	458.15	613921.00
18	Laying S&S centrifugally cast (spun) iron pipes (Class A) conforming to IS - 1536. Of -Dia - 200mm (pipes free issue).	1300.00	One RM	232.00	301600.00
19	Providing Lead caulked joints to spun iron or C.I pipes and specials including testing of joints but excluding the cost of Pig lead.- 200 mm dia.	270.00	Each	163.45	44131.50
20	Providing and laying flanged C.I Standard specials such as tees, bends, collars,tapers , caps etc; suitable for flanged jointing as per IS : 1538 upto 200 mm dia.	3600.00	Kg.s	51.23	184428.00
21	Making Brach Connections from existng main line by cutting water main with steel saw - for 250 mm dia C.I pipe.	2.00	Each	92.65	185.30
22	Dismantaling of Old C.I pies including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints,melting of lead and making into blocks including stacking of pipes at site lead up to 5.00 mts of 250 mm dia.	6.00	RM	10.93	65.58
23	Supply of Pig Lead	1200.00	Kg	58.00	69600.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
24	Supplying and Erection of 10 HP Submersible Pump.	4.00	Each	40000.00	160000.00
25	Drilling Bore wells of 150 dia with PVC casing pipe upto 400' deep at different categories.	4.00	Each	40000.00	160000.00
26	Providing and Fixing fly prrof galvanised M.S. wire gauge to windows and clerestory windows using galvanised M.S. wire gage with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm with 12 mm mild steel U beading	4.00	Sq.m	291.95	1167.80
27	Providing and laying S&S C.I.standard specials such as tees, bends, collars tapers and capes etc; suitable for flanged jointing as per IS: 1538: upto 300 mm dia.	1500.00	Kg	42.06	63087.75
28	Supply and fixing lightning arrester including earth pit etc.	Lumpsum Quantity			50000.00
29	supply and fixing Man hole cover made of M.S angle /sheet of 0.60 X 0.60 including locking arrangement & painting .	60.00	Kg	50.00	3000.00
				Total:	4229782.98
Total : Rs.Forty two lakhs twenty nine thousand seven hundred and eighty three only.					

Service Tax:- The Service tax as applicable is extra which will be paid by BHEL to the agency after submission of necessary valid documents by the agency.

Note : The Tenders are required to quote the tender value on percentage (%) basis at excess or less or on as per estimate value

Tender %	In figure	In words
Excess		
Less		
Estimated value		

Name of the Contractor :

Signature of the Contractor

Accounts Representative

Opening officer