



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

SCHEDULE- A

Tender Notice No:

PRICE BID

HY/FCD/OT-9/2008-09 , Dt:23.09.08

Item no: 2

**Name of work: Re- Routing of Cooling water lines at new Balancing tunnel
at block 01 West**

S No	Description of the item	Qty	Unit	Rate	Amount
1a	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 bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed , within a lead of 50m.	700.00	Cu.m	103.40	72380.00
b	----do---- up to First additional depth of 1.50 M to 3.00 M.	200.00	Cu.M	125.70	25140.00
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 Hard Rock (Blasting prohibited).	87.00	Cu.M	325.25	28296.75
3	Supplying and filling in plinth with river sand under water supply pipe lines including , watering , ramming consolidating and dressing complete.	90.00	Cu.M	301.50	27135.00
4a	Providing and Laying S&S centrifugally cast (spun) iron pipes (class LA) conforming to IS - 1536. - for 250 mm dia pipe including cost of all materials and labour etc., complete.	120.00	RM	2106.80	252816.00
b	-----do----for 350 mm dia pipes	140.00	RM	3455.55	483777.00
c	-----do----for 400 mm dia pipes	140.00	RM	4233.20	592648.00
5	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 50m.	910.00	Cu.M	45.70	41587.00
6	Providing and laying flanged C.I. standard specials such as tees, bends, collars.tapers,caps,etc.suitable for flanged jointing as per IS : 1538 - over 300 mm dia including cost of specials and labour.	3900.00	Kgs	56.48	220272.00
7a	providing lead caulked joints to spun iron of C.I pipes and specials including testing of joints but excluding the cost of Pig lead & hemp yarn 250 mm dia pipe	10.00	Each Joint	204.20	2042.00

S No	Description of the item	Qty	Unit	Rate	Amount
b	-----do----for 350 mm dia pipes	10.00	Each Joint	256.00	2560.00
c	-----do----for 400 mm dia pipes	10.00	Each Joint	332.10	3321.00
d	----do ----for 500 mm dia pipes	5.00	Each Joint	393.70	1968.50
e	-----do----for 600 mm dia pipes	5.00	Each Joint	528.40	2642.00
8a	Supply and Fixing C.I. sluice valves with operating wheel as per IS with flanged joints rubber insertion with bolts , nuts and washers.-for ---dia 400 mm dia pipe.	1.00	Each Joint	69262.00	69262.00
b	-----do----for ---350mm dia pipe.	1.00	Each joint	55408.00	55408.00
9a	Providing flanged joints to double flanged C.I./ D.I pipes and specials including testing of joints ---for--350mm dia pipe	4.00	Each joint	335.05	1340.20
b	----do---for ---400 mm dia pipes	4.00	Each joint	564.20	2256.80
10a	Labour for cutting C.I. pipe with steel Saw ----for ----250 mm dia	2.00	Each Cut	92.65	185.30
b	-----do----for 350 mm dia	2.00	Each Cut	129.10	258.20
c	-----do----for 400 mm dia	2.00	Each Cut	147.70	295.40
d	-----do----for 500 mm dia	2.00	Each Cut	184.20	368.40
e	-----do----for 600 mm dia pipes	2.00	Each Cut	218.55	437.10
11a	Dismantaling old C.I pipes 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 50mtre.- for-225 mm dia pipe	60.00	100 RM	109.30	6558.00
b	-----do----for---350 mm dia pipe	60.00	100 RM	124.60	7476.00
c	-----do---for --400 mm dia pipe	60.00	100 RM	131.15	7869.00
12	Supply of pig lead	500.00	Kg	58.00	29000.00
13	Supply of hemp yarn	40.00	Kg	30.00	1200.00
14 a	Providing push on -joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket.... 250 mm dia	22.00	Each	111.70	2457.40
b	... do.. 350 mm dia	26.00	Each	182.15	4735.90
c	... do.. 400 mm dia	26.00	Each	340.40	8850.40

S No	Description of the item	Qty	Unit	Rate	Amount
15	Providing and Laying non-pressure NP2 class (light duty) RCC pipes with collars jointed with stuff mixture of cement mortar in the proportion of 1:2 (1 cement :2 fine sand) including testing of joints etc. complete - 800mm dia RCC pipe.	50.00	RM	1167.40	58370.00
16	Conveyance of excavated spoil up to a lead of 2 Kms, including loading , unloading and spreading etc. complete as directed by Engineer in- charge.	145.00	Cu.M	56.41	8179.45
17	Providing and laying in position plain cement concrete of specified grade, consolidation by vibration excluding the cost of centering and shuttering - all work up to plinth level with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size).	18.00	Cu.M	3257.45	58634.10
18	Construction of chamber of size 3.00M x 3.00 Mx2.00 M(inside dimensions) with CRS masonry 2nd sort in C.M (1:6) , for walls of thickness 45 cm, 60 cm and 100 cm high each respectively over bed concrete 1:2:4 – 100 mm thick and providing slab in RCC 1:1½ :3 of 120 mm thick including an opening of size 600x600 mm size for fixing MS cover, roof top shall be plastered with CM 1:4, 20mm thick mixed with water proof compound, pointing to CRS masonry in CM 1:4 for internal external surfaces of masonry before refilling the sides.The opening shall be covered with MS cover 6 mm thick made out of MS angles, MS plates with necessary locking arrangements.A fabricated ladder of suitable size is to be erected inside the chamber for inspection purpose, as directed by the Engineer -incharge. The rate quoted shall include the cost of all materials, MS reinforcement steel for RCC slab, shuttering, fabrication and labour etc., complete in all aspect (M.S. Angles/plates, will be issued free of cost by BHEL at their stores).	1.00	Each	67700.00	67700.00

Total: Rs 2,147,426.90

Total: Rupees Twenty one lakh forty seven thousand four hundred and twenty seven only.

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

% in words:

Name of the Contractor :

Signature of the Contractor

Accounts Representative

Opening officer