



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

SCHEDULE- A

Tender Notice No:

PRICE BID

HY/FCD/OT-12/2008-09 , Dt: 10.11.08

Item no: 1

**Name of work :- Modification and repairs - Civil Works at Gas stores.**

S. No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
1	Preparation and consolidation of <b>sub grade with power road roller of 8 to 12 tonne</b> capacity after excavation earth to an average of 22.5 cm depth , dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth lead upto 50 metres.	600.00	Sq.m	33.90	20340.00
2	Supplying and Stacking at site <b>63 mm to 45 mm size stone aggregate including cost and conveyance, stacking ( Payment for collection of granite metal will be made on stack measurements after deducting 1/13th for voids).</b>	120.00	Cu.m	768.45	92214.00
3	Supplying and Stacking at site - <b>Moorum.( Payment for collection of moorum will be made on stack measurements after deducting 1/7th for voids) .</b>	40.00	Cu.m	421.85	16874.00
4	<b>Laying, spreading and compacting stone aggregate</b> of specified sizes to WBM specification including spreading in uniform thickness, hand picking , rolling with 3 wheeled road / vibrated roller 8-10 tonne in stages to proper grade and camber , applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate watering and compacting to the required density.	160.00	Cu.m	192.55	30808.00
5	Providing and applying <b>tack coat using bitumen emulsion (rapid setting)</b> complying with IS 8887 - 1995, spraying the bitumen emulsion with mechanically operated spray unit, cleaning and preparing the existing road surface as per specifications on WBM @ 0.4 Kg/Sq.m	1520.00	Sq.m	18.00	27360.00
6	Providing and Laying <b>bitumen penetration macadam with hard stone aggregate</b> of quality , size and grading as specified , with bitumen of suitable penetration grade including required key aggregate as specified , spreading coarse aggregate with the help of self propelled / tipper tail mounted aggregate spreader and applying bitumen by a pressure distributor and then spreading key aggregate with the help of aggregate spreader complete including consolidated with road roller of minimum 8 to 10 tonne capacity to achieve specified values of compaction and surface accuracy <b>for 50mm compaction thickness</b> using coarse aggregate of size 50-20mm garded @ 0.60 cu.m per 10 Sq.m key aggregate of size 12.5 mm graded @ 0.15 Cu.m per 10 Sq.m with paving asphalt 80/100 @ 50 Kg/10sq.m	1520.00	Sq.m	219.75	334020.00

S. No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
7	<b>Earth work in excavation</b> 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.	6.00	Cu.m	101.85	611.10
8	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 40 mm nominal size ).	0.60	Cu.M	2449.00	1469.40
9	Providing and laying in position cement concrete of specified grade, consolidation excluding the cost of tendering and shuttering - all work up to plinth level with <b>1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size )</b> .	8.00	Cu.m	3257.45	26059.60
10	Fabrication of structural steel work including all materials going into the process of fabrication and forming and integral part of frame 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. <b>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 rate includes cost of electrodes, gasse etc., The raw structural steel sections will be issued FREE of cost at BHEL stores.</b>	2.2	OneMT	11150.00	24530.00
11	Supplying and fixing of Tracdek Hi-rib single skin COLOUR galvalume / Zinalume sheets of 0.5 mm thick. One Meter width and length upto 12 M with Factory cut and fixing to the roof shall be crest fixed to roof purlins with number 12-14 x 55 mm long polymer coated galvanized hex-head self drilling screws with integral washers and EPDM seals (4 fasteners per support) for sheet etc., compete as directed. (Including cost of galvalume sheets). for roofing , side cladding.	96.00	Sq.m	720.00	69120.00
12	Painting at site of all structural steel work with 2 or more 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.	2.20	One MT	1292.65	2843.83

S. No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
13	Conveyance of excavated spoil up to a lead of 2 Kms, including loading , unloading and spreading etc. complete as directed by Engineer- in- charge.	6.00	Cu.M	56.41	338.46
		<b>Total : Rs</b>			<b>646,588.39</b>

**Total in words:** Rupees Six lakhs forty six thousands and five hundred and eighty eight 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**