



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

SCHEDULE- A

Tender Notice No:

PRICE BID

HY/FCD/OT-18/2008-09 , Dt: 22.01.09

Item no: 2

Name of work: -Renovation of Toilets in South side of 01 shop

| S No | Description of the item | Qty | Unit | Rate (Rs) | Amount (Rs) |
|------|--|--------|------|-----------|-------------|
| 1 | Dismantling doors, windows and clerestory windows (steel & wood) shutters including chowkhats , architrave , holdfasts etc. complete including conveying and stacking within 2.00 Km lead for area less than 3 Sq.m | 12.00 | Each | 54.60 | 655.20 |
| 2 | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 2.00 Km lead. | 180.00 | Sq.m | 9.10 | 1638.00 |
| 3 | Demolishing brick work manually /by mechanical means including stacking of serviceable materials and disposal of unserviceable material within 2.00 Km lead as per direction of Engineer-in-charge. - In cement mortar. | 22.00 | Cu.m | 355.88 | 7829.36 |
| 4 | Demolishing R.C.C. work manually / by mechanically means including stacking of steel bars and disposal of unserviceable materials within 2.00 Km lead as per direction of Engineer - in - charge . | 2.00 | Cu.M | 582.68 | 1165.36 |
| 5 | Supply and fixing of new urinary pans, "Parry ware" make, ceramic, Model (Cat 0575)- "New Magnum Urinal" (600 mm x 400 mm) along with all accessories, C.P spreader brackets etc., regular in colour along with partition for Magnum Urinal ceramic, 'Z' type brackets to be screwed to the wall at the bottom, in regular colour etc., complete - The rate quoted shall also include cost of dismantling existing urinary pans with all fittings and handing over to divisional stores. | 11.00 | Each | 3933.00 | 43263.00 |
| 6 | Supply and fixing with "Parry ware" make Cascade series wash hand basin of size 550 mm x 450 mm oval shape with counter top with centre tap hole, regular in colour with all accessories like brackets, screws etc., complete - The rate quoted shall also include cost of dismantling existing wash hand basin with all fittings and handing over to divisional stores. | 5.00 | Each | 2024.00 | 10120.00 |

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|------|---|--------|----------|-----------|-------------|
| 7 | Supply and fixing of new "Parry ware" make ceramic cascade water closet suite with "P/S" trap including Cascade seat cover (Cat 8012) with all accessories regular in colour along with (water closet suite including with attached flush cistern 10 litres capacity with parry ware flush fittings) - The rate quoted shall also include cost of dismantling existing water closet with all fittings and handing over to divisional stores. | | Each | 6985.00 | 0.00 |
| 8 | Supply and fixing of new "Parry ware" make Orissa pan size 580 mm (Cat 0109/17) with P/S trap box rim with internal foot treads including ceramic low level flushing cistern 10 litres capacity with Parry ware wonder flush kit, regular in colour with all required accessories etc., complete -The rate quoted shall also include cost of dismantling existing Pan with all fittings and handing over to divisional stores. | 5.00 | Each | 4261.00 | 21305.00 |
| 9 | Supply & fixing of 6 mm thick mirror of approved quality "Modi float/Saintgobin glass", with 6 mm thick hard board back and with best quality teak wood frame (design beading) all round the mirror including necessary clamps, polishing to the beading, cost of all materials etc. complete. | 2.00 | One Sq.m | 1445.00 | 2890.00 |
| 10 | Brick work with FPS bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in cement mortar 1:6 | 10.00 | Cu.m | 2357.40 | 23574.00 |
| 11 | Plastering in CM 1:6 , 20 mm thick to internal and external surfaces of walls including the cost of all materials , labour , curing etc, complete- Upto 10.00 m height | 210.00 | Sq.m | 95.10 | 19971.00 |
| 12 | Supply & fixing of PVC door along with frame of Syntex make in required size. The door frame made from extruded PVC sections in an overall size of 40 mm x 48 mm having multi chamber cross section with a maximum wall thickness of 2.5 mm \pm 0.3 mm duly reinforced with PVC to be mitre cut at corners and welded. A tie rod to be provided at bottom. Necessary weather seals shall be provided. Sintex doors are made out of PVC section and panels. The door shutter is made out of extruded PVC sections solid core type with usual process variation and having a wall thickness of 2 mm with a variation of \pm 0.3 mm provided with all plastic reinforcement to avoid any type of rusting or corrodes. The shutter frame is mitered and joined at the corners by means of stainless steel screws. The corners of the shutter frame are being reinforced by polymeric reinforcement of the size 120x200 mm and the lock rail is reinforced by 20x18x255 mm size reinforcement. The rate quoted shall include the cost of brass hinges, brass aldrops and brass tower bolts etc. of suitable size and of approved make. | 8.00 | One Sq.m | 2925.20 | 23401.60 |

| S No | Description of the item | Qty | Unit | Rate (Rs) | Amount (Rs) |
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| 13 | Supply and Fixing door,frame made out of 100 X 75 mm teak wood scantlings including supply and fixing in position single leaf flush shutters of 30 mm thick commercial ply of approved make , supply and fixing anodised aluminium fixtures and fittings , 3 Nos of MS hinges 4" long , 6 Nos of MS hold fasts of 150 X 150 mm made out of 200 X 50 X 6 mm fixed to the frame with suitable screws and painting the sides of the frame coming into contact with, masonry with on coat of bitumen paint etc, complete .(The fixtures and fittings shall consist of 16 mm dia 30 cm long aldrops 1 No. 1 No. of 12mm dia 230 mm long tower bolt and 150 mm long plate handles 2 No.s door stoppers - 1 No.) Bottom 300 mm height is to be fixed with decolam on both sides of the shutters as kick plate. | 5.00 | Sq.m | 1760.00 | 8800.00 |
| 14 | Providing & Fixing of top fixed, side hung of NCL Secular windows fabricated from Roll formed section made of pre painted steel (Base steel as per IS 513 of 0.6 mm thick, 'D' quality, galvanized as per IS 277 with zinc 150 GSM / Sq. Mtr). Section for shutter should be of 46 x 46 mm, external frame should be of 46 x 52 mm, section for glass beading should be of 18 x 25 mm & center mullion should be 46 x 70 mm. The sections to be cut to length, meter joined with corner bracket. Centre mullions are to be fixed using mullion cap. Handle made of high grade aluminium powder coated & with nylon receiver & glazed with 4 mm thick, modi float glass. Gasket made of E.P.D.M. Corner brackets made of C.R.C.A with zinc phosphating. Mullion caps made of glass filled nylon. The above frames should be fixed to the concrete / masonry walls by means of self expanding screws. | 12.00 | Sq.m | 3000.00 | 36000.00 |
| 15 | Supply & fixing "Jaquar" make urinal flushing valves for urinal pots in all accessories/Cat: 1077. | 11.00 | One Each | 1320.00 | 14520.00 |
| 16 | Supply & fixing "Marc" make oyster series brass bib cocks. With all accessories / Cat: MOY 1030. | 11.00 | One Each | 506.00 | 5566.00 |
| 17 | Supply & fixing "Marc" make oyster series brass pillar cocks. (Cat: MOY 1010) with all accessories etc. | 8.00 | One Each | 519.00 | 4152.00 |
| 18 | Supply & fixing "Marc" make oyster series brass stop cocks. (Cat: MOY 1040) with all accessories. | 10.00 | One Each | 698.00 | 6980.00 |

| S No | Description of the item | Qty | Unit | Rate (Rs) | Amount (Rs) |
|---------|--|--------|----------|-----------|-------------|
| 19 a | Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green , black of any size as approved by engineer-in-charge in skirting , risers of steps and dados over 12mm thick bed of cement mortar 1:3 (1cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 Kg per Sq.m including poniting in white cement mixed with pigment of matching shade complete. | 30.00 | One Sq.m | 556.80 | 16704 |
| b | Supply & fixing of 18 mm thick best quality approved colour and design machine cut mirror polished granite slabs in required sizes for counter wash basins, floorings, vanity counter, claddings, facias etc. including cutting, champering, rounding and mirror polishing etc. complete as directed. Cost of granite slabs shall be Rs. 1600/- per Sq. m and granite slabs of required design and colour will be selected by department. | 170.00 | Sq.m | 2600.00 | 442000.00 |
| 20 | Painting with two or more coats of oil bound distemper over a coat of primer to new walls at all heights of the building for inside side walls over three coats of Altek lappam finish (Only OBD paint will be issued free of cost by BHEL at their stores) | 250.00 | One Sq.m | 84.10 | 21025.00 |
| 21 | Supply & fixing in position PVC Pipes of 3" dia of best quality for drainage lines / urinal / hand wash areas including chasing the brick wall, concrete etc and making good the same after fixing the same etc. complete. | 40.00 | One RM | 345.56 | 13822.40 |
| 22 | Supplying and fixing CI Nahany traps 1st quality ISI marked conforming to IS: 1729 - 1979 with C.P Grating fixing with white cement as per site requirements with standard practice - 100mm inlet - 75 mm dia (3") outlet pipe - 4 Kgs. | 6.00 | One Each | 200.00 | 1200.00 |
| 23a | Supply & fixing 15 mm dia Nominal Bore GI pipe medium Grade properties and weight as per IS 1239 ISI mark with GI fittings including the cost of GI pipe & its fittings, chasing brick work/concrete and making good the same ,cost of labour , all materials etc. complete. | 10.00 | One RM | 131.00 | 1310.00 |
| b | .. Do... 20mm dia (3/4") | 40.00 | One RM | 146.00 | 5840.00 |
| c | .. Do... 25mm dia (1") | 20.00 | One RM | 191.00 | 3820.00 |
| 24 a | Supply & fixing of GM peet valves, heavy quality, ISI marked Leader/Zoloto make of nominal bore for 15 mm (1/2") dia | 1.00 | One Each | 242.00 | 242.00 |
| b | .. Do .. 20mm dia (3/4") | 1.00 | One Each | 327.00 | 327.00 |
| c | ..do ...25mm dia (1") | 2.00 | One Each | 482.00 | 964.00 |

| S No | Description of the item | Qty | Unit | Rate (Rs) | Amount (Rs) |
|------|--|-------|------|-----------|-------------|
| 25 | Supplying and fixing aluminum door with single shutters made out of new anodised aluminum box section of size 44.50x 47.50x 2.00mm for verticals, top and middle rails and 101.60x44.50x2.00mm for bottom rail inclusive of supply and fixing of all aluminum fixtures and fittings such as handles 2 nos, 1 No of tower bolt 12mm dia 200mm long, 1 No of hydraulic door closure of IS specification , 3 nos of 4" long(100mm) but hinges, stopper 1 No and suitable locking arrangement etc. complete . Wherever members are joined wooden runners are to be inserted in the box section for taking hinges, tower bolts, handles, hydraulic door closer and providing necessary rubber bedding for closing of door shutters all as directed by Engineer-in - charge. The rate shall include cost of door frame using aluminium box sections of size 101.60x44.50x2.00 mm. etc. complete all as directed by Engineer in charge . | 2.50 | Sq.m | 2918.40 | 7296.00 |
| 26 | Supplying and laying of vitrified tiles of brighter shades and marble design of Premium Quality (1st quality) in required texture, design and colour, for flooring /skirting /cladding using vitrified tiles of size 600 x 600mmx8 mm thick of approved make. It includes cost of cutting, champering of tiles to required size, with base of Conmax C - 500 tile adhesive for fixing tiles on existing mosaic/cement flooring, jointing the tiles with colour tint etc. complete as directed by Engineer-in-charge. The rate quoted shall include cost of all materials, labour, adhesives, colour tint material, leads and lifts etc. complete. Amount will be paid on the basis of measurement of the area of finished work only. It also includes surface preparation of existing ceramic floor giving necessary slopes, cleaning joints and grouting joints with pigmented additives to match shade of the tile, making pockets for electrical, communication, network cables etc. complete as directed by Engineer-in-charge. Amount will be paid on the basis of measurement for finished work only. | 54.00 | Sq.m | 950.00 | 51300.00 |

Total: Rs 797,680.92

Total in words :- Seven lakhs ninety seven thousands and six hundred and eighty one 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