

Name of work: AR&MO works for the year 2018-19 at central warehouse, Rampur, Uttar Pradesh
Schedule of quantity

| Sl. NO. | Description of work | Quantity | Unit | Rate | Amount |
|---------|---|----------|------|---------|-----------|
| 1 | Earth work in excavation by mechanical means (Hydraulic Excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m in all kind of soil. | 2.60 | cum | 166.40 | 432.64 |
| 2 | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. | 2.60 | cum | 125.75 | 326.95 |
| 3 | Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering -All work upto plinth level: A) 1:5:10 (1 Cement: 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) | 0.30 | cum | 4209.05 | 1,262.71 |
| 4 | Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth. | 35.80 | sqm | 450.35 | 16,122.50 |
| 5 | Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level in 1:1.5:3 (1 cement: 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) | 1.30 | cum | 6215.35 | 8,079.95 |
| 6 | Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, flights, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centring, shuttering, finishing and reinforcement in 1:1.5:3 (1 cement : 1.5 coarse sand/zone-III) : 3 graded stone aggregate 20 mm nominal size). | 0.40 | cum | 7145.80 | 2,858.32 |
| 7 | Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete for thermo-Mechanically Treated bars. | 100.00 | kg | 56.60 | 5,660.00 |
| 8 | Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in cement mortar 1:3 (1 cement : 3 coarse sand) | 8.00 | sqm | 593.50 | 4,748.00 |
| 9 | Half brick masonry with F.P.S. bricks of class designation 7.5 in superstructure above plinth level upto floor V level in Cement mortar 1:4 (1 cement, 4 coarse sand) | 11.40 | sqm | 684.20 | 7,799.88 |
| 10 | Extra for providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third course of half brick masonry (with F.P.S. bricks) | 11.40 | sqm | 56.85 | 648.00 |
| 11 | Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angles 40x40x6 mm for diagonal braces. | 1.50 | sqm | 2870.25 | 4,305.37 |
| 12 | Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitered and welded with 15x3 mm lugs, 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or with dash fastener or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. | 20.00 | kg | 74.05 | 1,481.00 |
| 13 | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, rollings, brackets, gates and similar works | 390.00 | kg | 85.95 | 33,520.50 |

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|----|---|--------|----------|---------|------------|
| 14 | Providing and fixing 1st quality cement glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer of approved make in all colours shades except burgundy, bottle green) block of any size approved by Engineer-in-Charge in skirting, risers of steps, dadoes over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 course sand) and flooring with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. | 32.70 | sqm | 744.80 | 24,354.96 |
| 15 | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4:1 cement: 4 course sand) including grouting the joints with white cement and matching pigments etc., complete. (a) Size of Tile 60x60 cm | 123.00 | sqm | 1119.40 | 137,686.21 |
| 16 | Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion, (i) Single socketed pipes for 110 mm diameter | 9.00 | metre | 236.35 | 2,127.15 |
| 17 | Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (a) Bend 87.5° 110 mm dia | 2.00 | each | 113.10 | 226.21 |
| 18 | 12 mm cement plaster of mix 1:6:11 cement : 6 fine sand) | 53.00 | sqm | 160.35 | 3,688.05 |
| 19 | Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete | 67.00 | sqm | 118.70 | 7,952.79 |
| 20 | Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade on new work (two or more coats) over and including priming coat with cement primer. | 412.00 | sqm | 93.70 | 38,604.41 |
| 21 | Finishing walls with textured exterior paint of required shade on new work (two or more coats applied @ 3.28 lit/10 sqm) over and including base coat of water proofing cement paint applied @ 2.20kg/10 sqm. | 303.00 | sqm | 150.65 | 45,646.9 |
| 22 | Applying priming coat with ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works. | 412.00 | sqm | 29.10 | 11,989.21 |
| 23 | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade with two or more coats on new work | 839.00 | sqm | 78.40 | 65,777.6 |
| 24 | Fixing chowkhat fastenings in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts embedding hold fasts in cement concrete blocks with cement concrete 1:3:6 (1 cement : 3 course sand : 6 graded stone aggregate 20mm nominal size) painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete including disposal of rubbish to the dumping ground within 50 metres lead. (a) door chowkhats. | 1.00 | each | 852.70 | 852.7 |
| 25 | Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete to match existing surface i/c disposal of mullb/ rubbish to the nearest dumping ground. For door/ window/ clerestory window. | 1.00 | each | 546.25 | 546.2 |
| 26 | Renewing glass panes, with putty and nails wherever necessary with float glass panes of thickness 4 mm. | 10.00 | sqm | 637.90 | 6,379.0 |
| 27 | Repairing of doors of office block including replacement of damaged part of wooden chowkhat, dismantling, repairing and refixing window shutter with necessary wood, nails, clips etc as required as per direction of engineer in charge. | 1.00 | job | 5000.00 | 5,000.0 |
| 28 | Removing white or colour wash by scraping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete. | 715.00 | sqm | 8.35 | 5,970.2 |
| 29 | Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade with one or more coats on old work | 132.00 | sqm | 51.30 | 6,771.6 |
| 30 | Demolishing brick work manually/by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge in Cement mortar. | 2.00 | cum | 842.75 | 1,685.5 |
| 31 | Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m (stacks of cleaned bricks shall be measured): From brick work in cement mortar | 600.00 | 1000 nos | 2798.60 | 1,679.1 |

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|-----------|---|---------|-------|------|-----------|
| 32 | Disassembling steel work in sections including dismembering and stocking within 50 metres lead in Channels, angles, tees and flats. | 250.00 | kg | 0.95 | 237.50 |
| 33 | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan, with seat and lid, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid. | 3418.70 | each | | 3418.70 |
| 34 | Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : (a) White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap. | 2020.60 | each | | 2020.60 |
| 35 | Providing and fixing 600x450 mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. | 817.95 | each | | 1,635.90 |
| 36 | Providing and fixing PTMT tower rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour with (a) 500mm long towel rail with total length of 645mm, width 78mm and effective height of 88mm, weighing not less than 190gms. | 422.70 | each | | 845.40 |
| 37 | Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall : a) 15 mm dia nominal bore | 285.7 | metre | | 2,428.50 |
| 38 | Providing and fixing upsplasticed PVC connection pipe with brass unions : a) 45 cpi length of 15 mm nominal bore | 67.8 | each | | 135.60 |
| 39 | Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) a) 15 mm nominal bore | 147.75 | each | | 295.50 |
| 40 | Providing and placing on terrace (at all floor levels) polyethylene water storage tank (SI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank | 500.00 | litre | 7.25 | 3,625.00 |
| 41 | Providing and fixing PTMT bib cock of approved quality and colour of 15mm nominal bore, 86 mm long, weighing not less than 88 gms. | 103.3 | each | | 206.60 |
| 42 | Providing and fixing PTMT stop cock of approved quality and colour. a) 15 mm nominal bore, 86mm long, weighing not less than 88 grams | 103.3 | each | | 206.60 |
| 43 | Providing and fixing PTMT grating of approved quality and colour. Circular type. a) 100 mm nominal dia. | 32.75 | each | | 65.50 |
| 44 | Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 gms | 134.65 | each | | 269.30 |
| 45 | Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements weighing not less than 106 gms. | 112.30 | each | | 224.60 |
| 46 | Providing and fixing PVC trap of self cleaning design including fixing with seal ring leaving 10mm gap for thermal expansion. | 80.00 | each | | 160.00 |
| 47 | Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) around S.W. pipes including bed concrete as per standard design for 110 mm diameter PVC pipe | 622.95 | metre | | 5,606.55 |
| 48 | Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design of inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x510 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) with common burnt clay F.P.S. (non modular) bricks of class designation 7.5. Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) around S.W. pipes including bed concrete as per standard design for 110 mm diameter PVC pipe | 8634.10 | each | | 8,634.10 |
| 49 | Grading roof for water proofing treatment with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) | 5583.80 | cum | 7.80 | 43,553.64 |
| Sub Total | | | | | 52,874.93 |