

JHARIA REHABILITATION AND DEVELOPMENT AUTHORITY, DHANBAD

Construction of Mandir, Jharia Vihar Township at Belgoria, Dhanbad

| SN | Item No | Item | Unit | Rate | Qty | Amount |
|----------------------|----------------|---|------|---------|---------|------------------|
| 1 | 5.1.1 to 5.1.2 | Earth work in excavation in foundation trenches in hard soil (vide classification of soil item - B) and disposal of excavated earth a obtained to a distance up to 50 M including all lifts with leveling ramming the foundation trenches removing roots of trees shrubs all complete as per approved design, building specification and direction of E/I including extra for earth work in hard soil as per specification and direction of E/I | Cum | 70.60 | 106.500 | 7518.90 |
| 2 | 5.1.10 | Providing coarse clean sand in filling in foundation trenches or in plinth including ramming and watering in layers not exceeding 150 mm thick with all leads and lifts including cost of all materials, labour, royalty and taxes all complete as per building specification and direction of E/I (Mode of measurement compacted volume) | Cum | 164.64 | 9.520 | 1567.37 |
| 3 | 5.3.4 | Providing P.C.C./R.C.C. M-75 with nominal mix of (1:4:8) in foundation and plinth with approved quality of stone metal grade IV (37 mm to 22.4 mm size) and clean coarse sand of F.M 2.5 to 3 including screening, shuttering, mixing cement concrete in cement mixer and placing in position, vibrating, striking, curing, tax and royalty all complete job as per building specification and direction of Engineer in charge. | Cum | 2961.90 | 10.480 | 31040.71 |
| 4 | 5.2.6 | Providing designation 75 B brick work in CM (1:6) in foundation and plinth with approved quality of clean coarse sand of FM 2 to 2.5 including providing 10 mm thick mortar points, cost of screening materials, raking out points to 15 mm depth, curing, taxes and royalty all completes as per building specification and direction of E/I | Cum | 2435.31 | 50.446 | 122851.65 |
| 5 | 5.3.5.1 | Providing RCCM - 200 with nominal mix of (1:1.5:3) in foundation and plinth with approved quality of stone chips 20 mm size graded and clean coarse sand of FM 2.5 to 3 including screening shuttering , mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement, taxes and royalty all complete, as per building specification and direction of E/I | Cum | 5373.04 | 31.100 | 167101.54 |
| 6 | 5.3.14 | Providing RCC M200 with nominal mix of (1:1½:3) in columns with approved quality of stone chips 20 mm to 6 mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing, cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement taxes and royalty all complete, as per building specification and direction of E/I | | | | |
| | | a) Ground Floor | Cum | 6100.74 | 18.220 | 111155.48 |
| | 5.3.14 +5.2.29 | b) First Floor | Cum | 6186.00 | 11.790 | 72932.94 |
| Page 1 total: | | | | | | 514168.60 |

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|----------------------|------------------|---|------|---------|--------|------------------|
| Page 1 total: | | | | | | 514168.60 |
| 7 | 5.3.14 | R.C.C. (1:1½:3) in column in plinth beam approved quality of stone chips 20 mm to 6 mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening shuttering mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement taxes and royalty all complete, as per building specification and direction of E/I | | | | |
| | | a) Ground Floor | Cum | 6100.74 | 5.790 | 35323.28 |
| 8 | | Providing designation 75 B Brick work in C M (1:6) in superstructure with approved quality of clean coarse sand of FM 2 to 2.5 including providing 10 mm thick mortar joints, costs of screening, materials, scaffolding raking out joints to 15 mm depth curing taxes and royalty all complete as per building specification and direction of E/I | | | | |
| | 5.2.14 | a) Ground Floor | Cum | 2497.67 | 53.120 | 132676.23 |
| | 5.2.14+5.2.27 | b) First Floor | Cum | 2555.56 | 34.050 | 87016.82 |
| 9 | 5.2.23 | Providing designation 125 mm thick reinforced designation 75 A brick work in C.M. (1:4) in superstructure with approved quality of clean coarse sand of FM 2 to 2.5 including the cost of screening, carriage of materials, scaffolding, raking out joints to 15 mm depth, curing, taxes and royalty (but excluding the cost of reinforcement) all complete as per building specification and direction of E/I | | | | |
| | | a) Ground Floor | Sqm | 358.32 | 45.680 | 16368.06 |
| | 5.2.23+5.2.27 | b) First Floor | Sqm | 416.21 | 53.990 | 22471.18 |
| 10 | 5.3.7.1 + 5.3.29 | Providing RCCM - 200 with nominal mix of (1:1.5:3) in band at lintel level with approved quality of stone chips 20 mm size graded and clean coarse sand of FM 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement, taxes and royalty or complete, as per building specification and direction of E/I including for RCC or PCC works for each consecutive floor above first floor complete as per direction of E/I | | | | |
| | | a) Ground Floor | Sqm | 5819.25 | 4.480 | 26070.24 |
| | | b) First Floor | Sqm | 5904.51 | 2.890 | 17064.03 |
| 11 | 5.3.11+ 5.3.29 | Providing RCC M200 with nominal mix of (1:1½:3) in beam of all types with approved quality of stone chips 20 mm to 6 mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening shuttering mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement, taxes and royalty or complete, as per building specification and direction of E/I including for RCC or PCC works for each consecutive floor above first floor complete as per direction of E/I | | | | |
| | | a) Ground Floor | Cum | 7103.37 | 7.290 | 51783.57 |
| | | b) First Floor | Cum | 7188.63 | 6.260 | 45000.82 |
| Page 2 total: | | | | | | 947942.83 |

| SN | Item No | Item | Unit | Rate | Qty | Amount |
|----------------------|-------------------|---|-------------------|------------------------------|---------------------------|---|
| Page 2 total: | | | | | | 947942.83 |
| 12 | 5.3.18+ 5.3.29 | Providing RCC M-150 with nominal mix of (1:2:4) in stair case with approved quality of stone chips 20 mm to 6 mm size graded and clean coarse sand of FM 2.5 to 3 including centering, shuttering, screening, mixing cement concrete in mixer, placing in position, vibrating, striking, curing taxes and royalty all complete, as per building specification and direction of E/I a) Ground Floor b) First Floor | Cum Cum | 9070.74 9156.00 | 0.960 0.960 | 8707.91 8789.76 |
| 13 | 5.3.9 + 5.3.29 | Providing RCC M-150 with nominal mix of (1:2:4) in roof slab with approved quality of stone chips 20 mm to 6 mm size graded and clean coarse sand of FM 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement taxes and royalty all complete as per building specification and direction of E/I. a) Ground Floor b) First Floor c) Second floor | Cum Cum Cum | 5991.78 6077.04 6162.3 | 18.940 12.880 1.620 | 113484.31 78272.28 9982.93 |
| 14 | 5.3.15.1 | Providing av 63 mm thick RCC M-150 with nominal mix of (1:2:4) chajja with approved quality of stone chips 20 mm to 6 mm size graded and clean coarse sand of FM 2.5 to 3 including making drip course in concrete, screening centering, shuttering and mixing cement concrete in mixer and placing in position vibrating striking 6 mm cement plaster (1:4) in ceiling and sides of chajja with sand of F.M. 1.5 curing (but excluding the cost of reinforcement) taxes and royalty all complete as per building specification and direction of E/I a) Ground Floor b) First Floor | Sqm Sqm | 748.06 833.32 | 15.310 10.320 | 11452.80 8599.86 |
| 15 | 5.3.26.1 | Providing 25 mm thick precast RCC M-150 with nominal mix of (1:2:4) jali with approved quality of stone chips of 6 mm nominal size and clean coarse sand of F.M. 2.5 to 3 with 16 mm thick M.S. wire as per approved design and drawing and placing the same in position true to plumb and level and properly grouted with cement mortar (1:3) including cost of curing scaffolding and finishing all complete as per building specifications and direction of E/I | Sqm | 173 | 5.850 | 1012.05 |
| 16 | 5.1.7 | Filling in foundation trenches and plinth in layers not exceeding 150 mm thick well watered rammed, fully compacted and fine dressed with earth obtained from excavation of foundation trenches within a lead of 50 M and lift of 1.5 M all complete as per building | Cum | 23.47 | 198.080 | 4648.94 |
| 17 | 5.3.3 | Providing PCC M-100 with nominal mix of (1:3:6) in foundation with approved quality of stone metal grade - III (50 mm to 25 mm size) clean coarse sand. | Cum | 3346.69 | 20.110 | 67301.94 |
| Page 3 total: | | | | | | 1260195.60 |

| SN | Item No | Item | Unit | Rate | Qty | Amount |
|----------------------|--------------------------------------|---|------|---------|---------|-------------------|
| Page 3 total: | | | | | | 1260195.60 |
| 18 | 5.6.21 | Providing and laying 25 mm thick white makrana marble stone slab flooring of approved quality over 19 mm thick base of lime mortar (1:1:1) (Lime putty surkhi: coarse sand) laid and jointed with white cement slurry including rubbing and polishing to granolithic finish with approved quality of carborandum stone including cost of curing, taxes and royalty all complete as per building specification and direction of E/I | Sqm | 1566.6 | 61.180 | 95844.59 |
| 19 | 5.6.22 | Providing and laying 25 mm thick white makrana marble tiles in risers of step skirting and pillars of approved quality over 12 mm thick base of cement mortar (1:3) and jointed with white cement slurry mixed with pigment to match the shade of the slab including rub bing to granolithic finish with approved quality of carborandum stone including cost of curing, taxes and royalty all complete as per building specification and direction of E/I | Sqm | 1902.21 | 14.120 | 26859.21 |
| 20 | 5.6.11 | Providing and laying 6 mm thick mosaic flooring of approved texture and colour over 25 mm thick PCC (1:2:4) base with 1 mm down stone chips and sand of FM 2.5 to 3 rubbed and polished to granolithic finish with approved quality of carborandum stone, top layer of 6 mm being laid with 4 mm and down marble chips of approved quality and shade in ratio (1:2) cement and marble dust mixed in ratio of (3:1) by weight, marble chips including casting in approved block, curing, taxes and royalty all complete as per building specification and direction of E/I | Sqm | 572.2 | 234.360 | 134100.79 |
| 21 | 5.6.14 | Providing and laying hydraulically machine pressed terrazo tiles 20 mm thick of approved texture with down marble chips of appved shade, size and quality, laid on 19 mm, thick bed of lime mortar (1:1:1) (lime: surkhi:sand) with neat cement slurry mixed with pigment to match the shade of tiles between joints, including rubbing and polishing to granolithic finish with approved qulity of carborandum stone including cost of curing, royalty and taxes all complete as per building specification and direction of E/I | Sqm | 599.11 | 9.580 | 5739.47 |
| 22 | Prorata Basis as per item no. 5.6.14 | Providing and laying hydraulically machine pressed terrazo tiles 25 mm thick of approved texture with 7 mm down marble chips approved shade, sixe and quality, laid on 19mm, thick bed of lime mortar (1:1:1) (lime surkhi:sand) with neat cement slurry mixed with pigment to match the shade of tiles between joints, including rubbing and polishing to granolithic finish with approved quality of carborandum stone including cost of curing, royalty and taxes all complete as per building specification and direction of E/I | Sqm | 748.89 | 19.460 | 14573.40 |
| Page 4 total: | | | | | | 1537313.06 |

| SN | Item No | Item | Unit | Rate | Qty | Amount |
|----------------------|-------------------------------|--|------|----------|---------|-------------------|
| Page 4 total: | | | | | | 1537313.06 |
| 23 | 5.6.12 | Providing and laying 6 mm thick mosaic in skirting dado, steps and pillars of approved texture and colour over 12 mm thick cement plaster (1:3) base with sand of FM 1.5 rubbed and polished to granolithic finish, with approved quality of carborandum stone top layer of 6 mm being laid with 4 mm, and down marble chips of approved quality and shade in ratio (1:2), cement and marble dust mixed in ration (3:1) by weight of marble chips including cost of curing, royalty and taxes all complete as per building specification and direction of E/I | | | | |
| | 5.6.12+5.6.24 | a) Ground Floor | Sqm | 634.35 | 19.450 | 12338.11 |
| | | b) First Floor | Sqm | 643.08 | 14.000 | 9003.12 |
| 24 | 5.5.14 | Supplying fitting and fixing callapsible gate of approved size and make properly fabricated with vertical bouble channels 20 x 10 x 2 mm at 100 mm centres and braced with M.S flat diagonals 20 x 3 mm, with top and bottom rails of T iron 40 x 40 x 6 mm with 38 mm dia steel pulleys complete with bolts, nuts, locking arrangements, stoppers, handles, including applying a priming coat of red lead paint, carriage, hoisting and taxes all complete as per building specification and direction E/I | Sqm | 2931.65 | 11.650 | 34153.72 |
| 25 | 5.5.30 | Supplying, fitting and fixing M.S grill gate with M.S. grills made of 20 x 6 mm M.S. flats or 16 mm M.S. square bars fitted on 25 x 25 x 6 mm. M.S. Angle frame of size 60 x 60 x 6 mm including cost of fabrication, providing necessary locking arrangement with haskal and domny duly fixed in PCC (1:2:4) blocks of required size, applying a priming and lead paint over steel work, taxes all complete as per drawing specification and direction of E/I. | Kg | 74.46 | 712.000 | 53015.52 |
| 26 | 5.1.10 | Providing coarse clean sand in filling in foundation trenches or in plinth including ramming and watering in layers not exceeding 150 mm thick with all leads and lifts including cost of all materials, labour, royalty and taxes all complete as per building specification and direction of E/I | Cum | 164.64 | 46.590 | 7670.58 |
| 27 | Basic-3 (i) P-18+10% Cp | Providing and fixing M.S. Grill Angle inframe of sizes 50 x 50 x 6/8/10 (gr. - A) etc. | MT | 52701.00 | 0.576 | 30355.78 |
| 28 | 5.5.26 | Labour for hoisting, placing and fixing in position R.S. joist or tee including cutting to required shape and size straightening all complete job (but excluding the cost of joist of Tee) as per direction of E/I | MT | 4468.53 | 0.576 | 2573.87 |
| 29 | 5.5.18 | Supplying, fitting and fixing fully glazed steel door, windows or ventilator of standard rolled "Z" and mullion steel sections and size as per IS-1038 joints met and welded with 100 x 16 x 3 mm M.S. lugs fixed in cement concrete (1:2:4) blocks 15 x 10 x 10 cm, size including cost of oxidised iron fittings, with hinges, handle per steps, catch springs, 3 mm thick plain glass panes with Aluminium beads and inner frame fixed with lugs with 20 mm long 6.3 mm G.I. counter suck machine screw and nuts and applying a coat of red lead paint carriage to work site hoisting and placing in position in all storys and taxes all complete as per building specification and direction of E/I | Sqm | 2416.27 | 34.570 | 83530.45 |
| Page 5 total: | | | | | | 1769954.21 |

| SN | Item No | Item | Unit | Rate | Qty | Amount |
|----------------------|---------|---|------|---------|----------|-------------------|
| Page 5 total: | | | | | | 1769954.21 |
| 30 | 5.4.32 | Supplying, fitting and fixing 35 mm thick solid core type decorative single leaf flush door shutter with both sides decorative veneered with black board core bended with high quality phenol formaldehydes synthetic resin of standard make with Aluminium fittings such as hinges, tower, bolts, handle, cleat and sand blocks and taxes all complete as per building specification and firection of E/I | Sqm | 1437.84 | 22.440 | 32265.13 |
| 31 | 5.4.33 | Supplying, fitting and fixing 35 mm thick solid core type decorative double leaf flush door shutter with both sides decorative veneered with black board core vended with high quality phenol formaldehydes synthetic resin of standard make with Aluminium fi | Sqm | 1519.61 | 9.100 | 13828.45 |
| 32 | 5.7.3 | Providing 12 mm thick cement plaster (1:6) with clean coarse sand of F.M. 1.5 including screening, curing with all leads and lifts of water, scaffolding taxes and royalty all complete as per building specification and direction of E/I | Sqm | 79.64 | 1545.250 | 123063.71 |
| 33 | 5.7.6 | Providing 6 mm thick cement plaster (1:4) in ceiling with clean coarse sand of F.M. 1.5 including screening, curing with all leads and lifts of water, scaffolding taxes and royalty all complete as per building specification and direction of E/I | Sqm | 86.27 | 334.840 | 28886.65 |
| 34 | 5.8.21 | Providing two coats of plastic emulsion paint of approved shade and made over a coat of cement primer over new surface including preparing plastered surface by rubbing smooth with pumice stone or fine sand paper, applying putty wherever required , scaffolding washing of floors and taxes all complete as per building specification and direction of E/I | Sqm | 111.39 | 595.540 | 66337.20 |
| 35 | 5.8.18 | Providing two coats of oil bound distemper of approved shade and made over a coat of cement primer over new surface including preparing plastered surface by rubbing smooth with pumice stone or fine sand paper, applying putty wherever required , scaffolding washing of floors and taxes all complete as per building specification and direction of E/I | Sqm | 55.00 | 1031.010 | 56705.55 |
| 36 | 5.5.13 | Providing and fixing fan hook of 16 mm dia M.S. bar 1 meter long bent to required size and shape placed in position and fixed RCC slab/beam at the time of casting all complete as per building specification and direction of E/I (where material is not supplied by deptt.) | Sqm | 108.00 | 32.000 | 3456.00 |
| 37 | 5.8.41 | Providing primer one coat of red lead paint of approved make over new steel surface including preparing the surface after cleaning, removing dust, dirt, scales smokes and grease and cleaning the surface thoroughly including cost of scaffolding and taxes all complete as per building specification and direction of E/I (Mode of measurement Area shall be multiplies by the co-efficient as indicated in building specification. | Sqm | 27.13 | 40.890 | 1109.35 |
| 38 | 5.8.24 | Providing two coat of snowcem of approved shade and make over a coat of cement primer on new surface including preparing the plastered surface smooth with sand paper, scaffolding, curing and taxes all complete as per building specification and direction of E/I | Sqm | 50.68 | 787.390 | 39904.93 |
| Page 6 total: | | | | | | 2135511.17 |

| SN | Item No | Item | Unit | Rate | Qty | Amount |
|----------------------|----------------|---|------|----------|--------|-------------------|
| Page 6 total: | | | | | | 2135511.17 |
| 39 | 5.8.26 | Providing primer one coat of approved shade and make over new wooden surface including preparing the surface after cleaning, removing dirt, scales, smokes, grease and sand papering, including cost of scaffolding and taxes all complete as per building specification and direction of E/I | Sqm | 18.88 | 61.470 | 1160.55 |
| 40 | 5.8.32 | Providing two coats of synthetic enamel paint over a coat of primer of Approved shade and make over new wooden surface after cleaning removing and direction of E/I | Sqm | 97.32 | 61.470 | 5982.26 |
| 41 | CPWD 9.96.1 | Providing and fixing aluminium sliding 300 mm door bolt, ISI marked anodised(anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with nuts and screws etc. complete | Each | 203.80 | 16.000 | 3260.80 |
| 42 | 5.3.9.1. | Providing RCC M-200 with nominal mix of (1:1.5:3) in roof slab with approved quality of stone chips 20 mm to 6 mm size graded and clean coarse sand of FM 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement, taxes and royalty all complete, as per building specification and direction of E/I | Cum | 6617.69 | 9.250 | 61213.63 |
| 43 | 5.5.4 | Providing for steel reinforcement of as per required rods as per approved design and drawing excluding carriage of tor bars to work site, cutting, bending and binding with annealed wire with cost of wire removal of rush, placing the rods in position all complete as per building specification and direction of E/I | | | | |
| | | a) 8 mm tor | MT | 65344.68 | 5.400 | 352861.27 |
| | | b) 10 mm to 16 mm tor | MT | 63982.93 | 5.400 | 345507.82 |
| Page 7 total: | | | | | | 2905497.17 |

Septic Tank and Soak Pit

| SN | Item No | Item | Unit | Rate | Qty | Amount |
|----------------------|---------|---|------|---------|--------|-----------------|
| 1 | 5.1.1 | Earth work in excavation in foundation trenches in hard soil (vide classification of soil item - B) and disposal of excavated earth a obtained to a distance up to 50 M including all lifts with leveling ramming the foundation trenches removing roots of trees shrubs all complete as per approved design, building specification and direction of E/I and extra for earth work in hard soil as per specification and direction of E/I | Cum | 64.05 | 41.070 | 2630.53 |
| 2 | 5.3.4 | Providing PCC M-75 with nominal mix of (1:4:8) in foundation with approved quality of stone metal grade - III (50 mm to 25 mm). Size clean coarse sand of FM 2.5 to 3 including screening, shutterring, mixing cement concrete in mixer and placing in position, vibrating, striking, curing, taxes and royalty all complete as per building specification and direction of E/I | Cum | 2961.90 | 1.520 | 4502.09 |
| 3 | 5.3.2 | Providing PCC M-150 in nominal mix of (1:2:4) in foundation with approved quality of stone chips 20 mm to 6 mm size graded and clean coarse sand of FM 2.5 to 3 including screening, shutterring, mixing cement concrete in mixer and placing in position, vibrating, striking, curing, taxes and royalty all complete as per building specification and direction of E/I | Cum | 4747.14 | 2.290 | 10870.95 |
| 4 | 5.2.2 | Providing designation 75 A brick work in C.M. (1:4) in foundation and plinth with approved quality of clean coarse sand of FM 2 to 2.5 including providing 10 mm thick mortar joints, cost of screening materials, raking out joints to 15 mm depth, curing, taxes and royalty all complete as per building specification and direction of E/I | Cum | 2817.74 | 9.209 | 25948.57 |
| 5 | 5.3.9 | Providing RCC M-150 with nominal mix of (1:2:4) in roof slab with approved quality of stone chips 20 mm to 6 mm size graded and clean coarse sand of FM 2.5 to 3 including screening, shutterring, mixing cement concrete in mixer and placing in position, vibrating, striking, curing, taxes and royalty all complete as per building specification and direction of E/I | Cum | 5991.78 | 0.730 | 4374.00 |
| 6 | 5.6.7 | Providing 25 mm thick first class patent stone flooring (1:2:4) with stone chips in two layers, bottom layer 19 mm thick (1:2:4) with 12 mm to 6 mm, size graded stone chips and top layer 6 mm thick (1:2) with 6 mm down stone chips, in panels including cost of curing, finishing the surface smooth by rubbing with corgorandum stone, taxes and royalty with all complete as per building specification and direction of E/I | Sqm | 198.07 | 6.000 | 1188.42 |
| 7 | 5.7.2 | Providing 12 mm thick cement plaster (1:4) with clean coarse sand of F.M. 1.5 including screening, curing with all leads and lifts of water, scaffolding taxes and royalty all complete as per building specification and direction of E/I | Sqm | 96.83 | 20.900 | 2023.75 |
| 8 | 5.7.11 | Providing 1.5 mm cement punning including curing, carriage of water with all leads and lifts as per building specification and direction of E/I | Sqm | 32.41 | 20.900 | 677.37 |
| Page 8 total: | | | | | | 52215.68 |

| SN | Item No | Item | Unit | Rate | Qty | Amount |
|----------------------|-------------------|---|------|----------|---------|-----------------|
| Page 8 total: | | | | | | 52215.68 |
| 9 | 5.2.3 | Providing designation 75 A brick work in C.M. (1:6) in foundation and plinth with approved quality of clean coarse sand of FM 2 to 2.5 including providing 10 mm thick mortar joints, cost of screening materials, raking out joints to 15 mm depth, curing, taxes and royalty all complete as per building specification and direction of E/I. | Cum | 2569.32 | 3.680 | 9455.10 |
| 10 | P-20 +10% / 7(II) | Supplying Jhama Brick Blast (50 mm) at site etc or complete. | Cum | 638.00 | 2.300 | 1467.40 |
| 11 | P-20 +10% / 7(II) | Supplying Jhama Brick Blast (100 mm) at site etc or complete. | Cum | 638.00 | 2.300 | 1467.40 |
| 12 | 5.3.28 | Providing 75 mm thick precast RCC M-150 with nominal mix of (1:2:4) in jali with approved quality of stone chips 12 mm and down well graded and clean coarse sand of FM 2.5 to 3 with 1.6 mm thick M.S. wire as per approved drawing and design and placing the same in position true to plumb and level with 6 mm dia M.S. rods placed at regular intervals both horizontally and vertically as required and properly grouted with C.M. (1:3) including cost of curing scaffolding and finishing all complete as per building specification and direction of E/I | Sqm | 482.82 | 3.080 | 1487.09 |
| 13 | CPWD 19.15.2 | Providing M.S. foot rests including fixing in manholes with 20 x 20 x 10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 20 mm nominal size) as per standard design. | Each | 193.15 | 8.000 | 1545.20 |
| 14 | 12.3.6.2. | P/L RCC spun pipe (150 mm) upto 3.0 meter depth of invert below GL. | | 95.02 | 150.000 | 14253.00 |
| 15 | 25 (1k) P-40 | P/L HCl bend (100 mm) etc | Each | 275.00 | 2.000 | 550.00 |
| 16 | 5.5.4 | Providing Tor steel reinforcement of 8 mm dia rods as per approved design and drawing excluding carriage of M.S. Rods (Straight or in coils) to work site, cutting, bending and binding with annealed wire with cost of wire, removal of rust placing the rods in position all complete as per building specification and direction of E/I | M.T. | 65344.68 | 0.080 | 5227.57 |
| 17 | 25 (vi/c) P- | Providing and Fixing HCl cowel - 100 mm etc | Each | 196.90 | 2.000 | 393.80 |
| 18 | 5.2.23 | Providing designation 125 mm thick reinforced designation 75 A brick work in C.M. (1:4) in superstructure with approved quality of clean coarse sand of F.M. 2 to 2.5 including the cost of screening, carriage of materials, scaffolding, raking out joints to 15 mm depth, curing, taxes and royalty (but excluding the cost of reinforcement) all complete as per building specification and direction of E/I | Sqm | 358.32 | 2.700 | 967.46 |
| 19 | 24 (C)+ 10% | Providing and fixing HCl pipe 100 mm dia etc | Each | 880.00 | 3.000 | 2640.00 |
| Page 9 total: | | | | | | 91669.70 |

Sanitary Installation

| SN | Item No | Item | Unit | Rate | Qty | Amount |
|-----------------------|------------------|---|------|---------|-----|-----------------|
| 1 | 12.2.1 (A) | Supplying, fitting and fixing vitreous white glazed earthen ware IWC of parry Hindustan or any other ISS approved make with 100 mm HCl p trap 15 litres CI pull and let go flushing cistern of names or other ISS equivalent make, complete with all fittings CI or CC brackets 32 mm alkathene/PVC telescopic flush pipe about 2 M long with one brass coupling and clamps GI chain and pull including supplying and fixing a pair of vitreous white glazed earthenware footrest to be fixed in floor 15 mm CI body brass spindle stop cock of weight not less than 50 grams 15 mm PVC connection pipe 450 mm long and the exposed pipe and cistern with two coats of approved paint over a coat of red oxide primer etc. all complete as per specification and direction of E/I | Each | 4062.07 | 2 | 8124.14 |
| 2 | 12.2.5 | Supplying, fitting and fixing vitreous white glazed earthen ware hand basin of parry or Hindustan or any other ISS approved make supported on painted CI or RS brackets 32 mm CI brass waste, 15 mm dia CI body brass spindle stop cock of approved quality of weight not less than 350 grams, 32 mm PVC waste pipe 750 mm long with brass coupling at one end and making plumber joints etc. all complete as per specification and direction of E/I | Each | 1499.44 | 4 | 5997.76 |
| 3 | 12.2.3 (A) | Supplying fitting and fixing flat back or angular, lipped front vitreous white glazed earthen ware urinal of Hindustan Parry or any other approved ISS make with 5 liters capacity CI automatic flushing cistern of reliance for any other ISS approved make with all fittings with CI or RS brackets, standard size GI flush pipe with fitting clamps, 15 mm CI body brass spindle stop cock of approved quality weight not less than 400 grams, 15 mm PVC / Alkthene pipe 450 mm long with brass coupling at both ends and doing plumber joints including painting of exposed part with two coats of approved paint over a priming coat of red oxide, cutting wall and floor, making good the same etc. all complete as per specification and direction of E/I | Each | 2606.21 | 4 | 10424.84 |
| 4 | P-39/24 | Providing and fixing HCl soil & Vent pipe etc. | | | | |
| | (c) | a) 100 mm | Each | 800.00 | 25 | 20000.00 |
| | (b) | b) 80 mm | Each | 575.00 | 30 | 17250.00 |
| | (a) | c) 50 mm | Each | 462.00 | 10 | 4620.00 |
| 5 | 5.5.8 | Supplying, fitting and fixing 250 x 20 x 6 mm L-type MS clamp properly fishtailed, including making holes and setting the same in 375 x 126 x 75 mm cement concrete block (1:2:4) with cost of all labour and materials and taxes as per building specification and direction of E/I | Each | 50.28 | 20 | 1005.60 |
| 6 | 25 (IV) (c) P-40 | P/F/HCl single equal door junction | | | | |
| | iv (c) | a) 100 x 100x100 | Each | 462.00 | 2 | 924.00 |
| | iv (a) | b) 80 x 80 x 80 | Each | 400.00 | 2 | 800.00 |
| 7 | P-40 | Providing and fixing HCl plain bend | | | | |
| | 25/c | a) 100 mm | Each | 250.00 | 4 | 1000.00 |
| | 25/b | b) 80 mm | Each | 185.00 | 6 | 1110.00 |
| Page 10 total: | | | | | | 71256.34 |

| SN | Item No | Item | Unit | Rate | Qty | Amount |
|-----------------------|------------|---|------|--------|-----|-----------------|
| Page 10 total: | | | | | | 71256.34 |
| 8 | P-39 | Providing and fixing HCI socket | | | | |
| | 25/ xv (c) | a) 100 mm | Each | 121.00 | 8 | 968.00 |
| | 25/ xv (b) | b) 80 mm | Each | 95.00 | 10 | 950.00 |
| | 25/ xv (a) | c) 50 mm | Each | 68.00 | 2 | 136.00 |
| 9 | P-38 (VI) | Providing and fixing cowl a) 100 mm weight without ear and socket 3.25 kg | Each | 179.00 | 2 | 358.00 |
| 10 | P-38 (v) | Providing and fixing heel rest bend a) 100 mm | Each | 295.00 | 2 | 590.00 |
| 11 | P-38 (vii) | Providing and fixing HCI P trap 100 mm etc | Each | 375.00 | 2 | 750.00 |
| 12 | P-36/10 | Providing and fixing 600 x 450 mm bevelled mirror | Each | 950.00 | 2 | 1900.00 |
| 13 | P-36/11 | Providing and fixing 450 x 125 mm glass shelf with CP brass rail. | Each | 216.00 | 2 | 432.00 |
| 14 | P-36/12 | Providing and fixing anodized Aluminium towel rail 20 mm x 600 mm with bracket all complete | Each | 194.00 | 2 | 388.00 |
| 15 | P-36/13 | Providing and fixing soap dish | Each | 86.00 | 2 | 172.00 |
| 16 | P-36/14 | Providing and fixing liquid soap solution holder. | Each | 216.00 | 2 | 432.00 |
| 17 | P-38/1 (c) | Providing and fixing bend - 100 mm | Each | 250.00 | 2 | 500.00 |
| Page 11 total: | | | | | | 78832.34 |

Water Supply

| SN | Item No | Item | Unit | Rate | Qty | Amount |
|-----------------------|-------------------------------|---|------|--------|----------|-----------------|
| 1 | P- 33 (1<) + 10% .CP + 12.1.2 | Laying of G.I pipes of approved make in trenches with red lead and yarn with socket and screw joints and cutting pipes to sixes and treading ends where necessary etc all complete as per specification and direction of Engineer-in-Charge (pipes to be supplied departmentally free of cost.) | | | | |
| | I | a) 15 mm dia | Mtrs | 112.49 | 20.000 | 2249.80 |
| | II | b) 20 mm dia | Mtrs | 142.47 | 10.000 | 1424.70 |
| | III | c) 25 mm dia | Mtrs | 199.18 | 30.000 | 5973.00 |
| 2 | 12.1.12 | Providing and fixing Gun metal full way valve of approved quality. All complete, as per specification and direction of E/I | | | | |
| | (b) | b) 20 mm dia | Each | 325.15 | 2.000 | 670.30 |
| | (c) | c) 25 mm dia | Each | 399.34 | 2.000 | 798.68 |
| 3 | 12.1.6(A) | Providing and fixing 15 mm dia of brass/CI stop cock of approved quality all complete as per specification and direction of E/I | Each | 191.11 | 6.000 | 1146.66 |
| 4 | 12.1.6(A/b) | Providing and fixing 20 mm dia of brass/CI stop cock of approved quality all complete as per specification and direction of E/I | Each | 253.65 | 10.000 | 2536.50 |
| 5 | P-30/122 | Polythene water storage tank of ISI mark (e.g. sintex/Sinter/Himgiri/Gangotri etc) with cover and locking system. | Lt. | 4.75 | 3000.000 | 14250.00 |
| 6 | 12.1.5.4 | Providing and fixing 15 mm dia male ended CI Plug cock (Wt. not less than 400 gms) of approved quality with extra socket all complete as per specification and direction of E/I | Each | 51.41 | 4.000 | 205.64 |
| 7 | 12.1.7.A (C) | Providing and fixing 25 mm GM non return valve Horizontal/ vertical type of approved quality as per spevification and direction of E/I. | Each | 415.84 | 1.000 | 415.84 |
| 8 | 12.1.10 A (b) | Providing and fixing NP/CP brass PVC porcelain shower rose of 15 mm inlet etc all complete as per specification and direction of E/I | Each | 93.21 | 2.000 | 186.42 |
| 9 | 12.1.13 | Supplying and fixing G.I. fittings of approved make all complete as per specification and direction of E/I | | | | |
| | | a) 15 mm dia | Each | 36.01 | 10.000 | 360.10 |
| | | b) 20 mm dia | Each | 47.4 | 15.000 | 711.00 |
| | | c) 25 mm dia | Each | 68.24 | 12.000 | 818.88 |
| | | B) Tee plain | | | | |
| | | a) 15 mm dia | Each | 44.81 | 10.000 | 448.10 |
| | | b) 20 mm dia | Each | 58.95 | 12.000 | 707.40 |
| | | c) 25 mm dia | Each | 80.34 | 10.000 | 803.40 |
| | | C) Rednaing Socket | | | | |
| | | b) 20 mm dia | Each | 41.35 | 6.000 | 248.10 |
| | | c) 25 mm dia | Each | 58.34 | 8.000 | 466.72 |
| | | D) Nipple a) 15 mm | Each | 34.91 | 10.000 | 349.10 |
| | | E) Plug 15 mm | Each | 26.66 | 4.000 | 106.64 |
| Page 12 total: | | | | | | 34876.98 |

| SN | Item No | Item | Unit | Rate | Qty | Amount |
|-----------------------|---------|---------------------|------|--------|--------|-----------------|
| Page 12 total: | | | | | | 34876.98 |
| | | F) Reducing Tee | | | | |
| | | a) 20 mm dia | Each | 61.15 | 4.000 | 244.60 |
| | | b) 25 mm dia | Each | 78.14 | 4.000 | 312.56 |
| | | G) Union Socket | | | | |
| | | a) 20 mm dia | Each | 77.65 | 10.000 | 776.50 |
| | | b) 25 mm dia | Each | 104.54 | 8.000 | 836.32 |
| | | H) Socket Plain | | | | |
| | | a) 15 mm dia | Each | 33.81 | 12.000 | 405.72 |
| | | b) 20 mm dia | Each | 40.25 | 8.000 | 322.00 |
| | | I) Bend with Socket | | | | |
| | | a) 15 mm dia | Each | 40.41 | 6.000 | 242.46 |
| | | b) 20 mm dia | Each | 47.4 | 6.000 | 284.40 |
| Page 13 total: | | | | | | 38300.74 |

Electrification Works

| SN | Item No | Item | Unit | Rate | Qty | Amount |
|-----------------------|---------|---|-------|---------|--------|------------------|
| 1 | 1.8.1 | Wiring for light point/fan point/exhaust fan point/call bell point with 1.5 sq. mm FR PVC insulated copper conductor single core cable in surface/recessed PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S box and earthing the point with 1.5 sq. mm FR PVC insulated copper conductor single core cable etc as required. Group A | Point | 416.00 | 40.00 | 16640.00 |
| 2 | 1.8.2 | Point wiring in PVC conduit, with piano type switch: Wiring for light point/fan point/exhaust fan point/ call conductor single core cable in surface/recessed PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq. mm FR PVC insulated copper conductor single core cable etc as required. Group B | Point | 499.00 | 30.00 | 14970.00 |
| 3 | 1.8.3 | Point wiring in PVC conduit, with piano type switch: Wiring for light point/fan point/exhaust fan point/ call conductor single core cable in surface/recessed PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq. mm FR PVC insulated copper conductor single core cable etc as required. Group C | Point | 619.00 | 15.00 | 9285.00 |
| 4 | 1.23.4 | Supplying and fixing following piano type switch/socket on the existing switch box/cover including connections etc. as required (a) 3 pin 5/6 amps socket outlet. | Each | 35.50 | 12.00 | 426.00 |
| 5 | 1.23.5 | Supplying and fixing following piano type switch/socket on the existing switch box/cover including connections etc. as required (a) 6 pin 15/16 amps socket outlet. | Each | 73.00 | 6.00 | 438.00 |
| 6 | 1.33 | Supplying and fixing 3 pin, 5 amp, ceiling rose on the existing junction box/wooden block including connection etc as required. | Each | 34.00 | 20.00 | 680.00 |
| 7 | 1.34 | Supplying and fixing brass batten/angle holder including connection etc. as required. | Each | 63.00 | 60.00 | 3780.00 |
| 8 | 1.14.3 | Wiring for circuit/submain wiring alongwith earth wire with the following sizes of PVC insulated copper conductor, single core cable in surface /recessed PVC conduit as required. 2 x 4 sq. mm + 1 x 4 sq. mm earth wire. | Mtrs. | 162.00 | 150.00 | 24300.00 |
| 9 | 1.14.5 | Wiring for circuit/submain wiring alongwith earth wire with the following sizes of PVC insulated copper conductor, single core cable in surface /recessed PVC conduit as required. 2 x 10 sq. mm + 1 x 10 sq. mm earth wire. | Mtrs. | 310.00 | 110.00 | 34100.00 |
| 10 | 2.1.3 | Providing and fixing following capacity TP&N disconnecter fuse switch unit inside the existing cubicle panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required a) 100 amp TP&N | Each | 3893.00 | 1.00 | 3893.00 |
| 11 | 2.2.1 | Providing and fixing following rating and breaking capacity MCCB in exiting cubicle panel board including, drilling holes in cubicle panel, making connection, etc as required. A) 100 amp 10 KA | Each | 2801.00 | 1.00 | 2801.00 |
| Page 14 total: | | | | | | 111313.00 |

| SN | Item No | Item | Unit | Rate | Qty | Amount |
|-----------------------|---|--|-------|---------|-------|------------------|
| Page 14 total: | | | | | | 111313.00 |
| 12 | 2.13.2 | Supplying, installing, testing and commissioning of distribution tap off box of following capacity on existing rising mains and complete with HRC fuse links, interconnections, earthing etc, as required. A) 16 amp TPN, 4 way | Each | 8405.00 | 1.00 | 8405.00 |
| 13 | 5.6 | Earthing with copper earth plate 600 x 600 x3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) as required. | Set | 8559.00 | 1.00 | 8559.00 |
| 14 | 6.8 | Providing and fixing G.I. tape 20 mm x 3 mm thick on parapet or surface of wall for lighting conductor complete as required (for vertical run) | Mtrs. | 81.50 | 20.00 | 1630.00 |
| 15 | 1.9 | Wiring for twin control light point with 1.5 sq. mm FR PVC insulated copper conductor single core cable in surface/recessed PVC conduit, 2 way piano type switch, phenolic lamitated sheet, suitable size M.S box and earthing the point with 1.5 sq. mm FRPVC insulated copper conductor single core cable etc as required. | Each | 625.00 | 1.00 | 625.00 |
| 16 | prevalin g rate of office of HT< line | S/ laying aluminium armoured cable 50 sqmm x 3.5 core all complete. | Mtrs. | 473.84 | 50.00 | 23692.00 |
| Page 15 total: | | | | | | 154224.00 |

Carriage of materials

| SN | Item No | Item | Unit | Rate | Qty | Amount |
|-----------------------|--------------------------|------------------------------|----------|---------|---------|------------------|
| | JSOR Page 115 -116 | Brick upto 8 km lead + 10% | 1000 nos | 501.6 | 65.765 | 32987.72 |
| | | Sand upto 35 km lead +10% | cum | 460.600 | 215.820 | 99406.69 |
| | | Cement upto 10 km lead +10% | MT | 140.660 | 72.580 | 10209.10 |
| | | Steel upto 10 km lead +10% | MT | 140.660 | 10.850 | 1526.16 |
| | | Aggregate | | | | |
| | | a) Chips upto 5 km lead +10% | cum | 163.990 | 126.610 | 20762.77 |
| | | b) Metal upto 5 km lead +10% | cum | 178.630 | 26.700 | 4769.42 |
| Page 16 total: | | | | | | 169661.61 |