

| COMBINED ABSTRACT | | | | | |
|--------------------------|--|-----------------|-------------|----------------------|---------------|
| | | | | | |
| | Name of work :- Improving / Upgradatio of Parking Yards situated on North of Road leading to West Gate - I & II outside Cargo Jetty Area - Stage - I | | | | |
| | | | | | |
| | PART - A - CIVIL WORK | | | | |
| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
| 1 | Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. | | | | |
| A | All kinds of soil / GSB filled area | 13316.00 | | M³ | |
| b | Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. | | | | |
| i | All kind of soil / filled material | 1630.00 | | M³ | |
| | | | | | |
| 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. | 3736.50 | | M³ | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|--|----------|------|----------------|--------|
| | | | | | |
| a | Extra rate for conveying the excavated stuff by motor - truck Lead upto 2.50 km beyond 2.00 km. | 11210.50 | | M ³ | |
| | | | | | |
| 3 | Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete. | 1868.00 | | M ³ | |
| | | | | | |
| 4 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : | | | | |
| a | 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) | 1868.00 | | M ³ | |
| | | | | | |
| 5 | Providing and laying in position machine batched and machine mixed design mix M-30 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping / placing of concrete to site of laying including the cost of centering,shuttering, finishing but excluding the cost of reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-----------|--|------------------|------|----------------------|--------|
| A | All works upto plinth level for Raft, Tie Beam, Plinth Beam | 4316.00 | | M³ | |
| B | All works above plinth level upto floor V level (for Sill, Lintle, Chajja, Slab beam, Slab, Compound Wall, Drain Wall etc). | 1591.00 | | M³ | |
| | | | | | |
| 6 | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete . | | | | |
| A | Thermo-Mechanically Treated bars of grade Fe- 500D or more. | 636254.71 | | KG | |
| i | up to plinth level & upto floor five level | | | | |
| | | | | | |
| 7 | Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size). | | | | |
| l) | Cement mortar 1:6 (1 cement : 6 coarse sand) | 253.00 | | M³ | |
| | | | | | |
| 8 | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in all shapes and sizes in : | | | | |
| a | In foundation and plinth in : | | | | |
| i | Cement mortar 1:6 (1 cement : 6 coarse sand) | 8.00 | | M³ | |
| | | | | | |
| b | In superstructure above plinth level up to floor V level in all shapes and sizes in : | | | | |
| i | Cement mortar 1:4 (1 cement : 4 coarse sand) | 82.00 | | M³ | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|---|-------|------|----------------|--------|
| 9 | Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). | | | | |
| a | Second class teak wood | 0.52 | | M ³ | |
| 10 | Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. | | | | |
| a | 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws | 14.81 | | M ² | |
| 11 | Providing and fixing bright finished brass butt hinges with necessary screws etc. complete : | | | | |
| a | 125 x 85 x 5.5 mm (Heavy type) | 21.00 | | Each | |
| 12 | Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete. | 7.00 | | Each | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|--|-------|------|------|--------|
| 13 | Providing and fixing Brass tower bolt (barrel type) 250x10 mm , ISI marked, as per relevent IS) required colour or shade, with necessary screws etc. complete : | 7.00 | | Each | |
| | | | | | |
| 14 | Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : | | | | |
| a | 250 x 10 mm | 7.00 | | Each | |
| | | | | | |
| 15 | Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : | 28.00 | | Each | |
| | | | | | |
| 16 | Providing and fixing bright finished brass handles with screws etc.complete: | | | | |
| a | 125 mm | 10.00 | | Each | |
| | | | | | |
| 17 | Providing and fixing Brass door latch 250x16x5 mm (0.350 kg) | 2.00 | | Each | |
| | | | | | |
| 18 | Hydraulic door closer bottle type M.S. body with necessary accessories and screws complete. | 4.00 | | Each | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-----------|---|--------------|------|----------------------|--------|
| 19 | Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi- chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile),appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg),G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc.After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealent over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in- Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately). | | | | |
| a | Two track two panels sliding window made of (small series) frame 52 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 1.75 sqm) | 40.00 | | M² | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|---|--------|------|----------------|--------|
| | | | | | |
| 20 | Providing and fixing casement handle made of zinc alloyed (white powder coated) for uPVC casement window with necessary screws etc. complete. | 44.00 | | Each | |
| | | | | | |
| 21 | Providing and fixing zinc alloyed (white powder coated) touch lock for uPVC sliding window with necessary screws etc. complete. | 44.00 | | Each | |
| | | | | | |
| 22 | Providing and fixing steel roller for uPVC sliding window with necessary screws etc. complete. | 176.00 | | Each | |
| | Toilet Block | | | | |
| | Rest Shelter | | | | |
| | Tea Post | | | | |
| | Gate Cabin | | | | |
| | | | | | |
| 23 | Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): | | | | |
| a | With float glass panes of 5.50 mm thickness | 3.20 | | M ² | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|--|-------|------|------|--------|
| 24 | Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance $\pm 1\text{mm}$), with wall thickness 2.0 mm ($\pm 0.2\text{ mm}$), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws,joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm ($\pm 0.1\text{ mm}$) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer-in-charge. | | | | |
| a | Extruded section profile size 48x40 mm | 33.25 | | Mtr. | |
| | | | | | |
| 25 | Providing and fixing to existing door frames. | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|--|-------|------|----------------|--------|
| a | 24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (± 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (± 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter). | 10.30 | | M ² | |
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| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|---|------|------|------|--------|
| 26 | <p>Providing and fixing factory made uPVC white colour casement/casement cum fixed glazed windows comprising of uPVC multi-chambered frame, sash and mullion (where ever required)extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket,stainless steel (SS 304 grade) friction hinges, zinc alloy (white powder coated) casement handles, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in- Charge. (Single / double glass panes and silicon sealant shall be paid separately).</p> | | | | |
| | <p>Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.</p> | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-------------|---|--------------|-------------|----------------------|---------------|
| A | Casement window single panel with S.S. friction hinges (300 x 19 x 1.9 mm), made of (small series) frame 47 x 50 mm & sash 47 x 68 mm both having wall thickness of 1.9 ± 0.2 mm and single glass pane glazing bead of appropriate dimension. (Area of window upto 0.75 sqm.) | 2.43 | | M² | |
| B | Casement window double panels with S.S. friction hinges (300 x 19 x 1.9 mm) made of (small series) frame 47 x 50 mm, sash 47 x 68 mm & mullion 47 x 68 mm all having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window above 0.75 sqm upto 1.50 sqm). | 32.00 | | M² | |
| 27 | Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge. | | | | |
| a | Pre-laminated particle board with decorative lamination on both sides. | 1.50 | | M² | |
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| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|---|----------|------|----------------|--------|
| 28 | Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. | 8070.00 | | KG | |
| | | | | | |
| 29 | Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. | | | | |
| a | 2 mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6") as specified or 2 mm thick flat | 320.00 | | M ² | |
| | | | | | |
| 30 | Plastering with cement mortar 1 : 4 including racking out joints, scrubbing & cleaning, finishing smooth curing including racking out joints etc. complete. | | | | |
| a) | (A) for plastering upto floor two level. 12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand) | 12473.00 | | M ² | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|--|---------|------|----------------|--------|
| 31 | 18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge. | 1046.00 | | M ² | |
| | | | | | |
| 32 | Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. | | | | |
| | Granite of any colour and shade | | | | |
| A | Area of slab over 0.50 sqm | 115.00 | | M ² | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-----------|---|---------------|------|----------------------|--------|
| 33 | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption 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 coarse sand),jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. | | | | |
| A | Size of Tile 600x600 mm | | | | |
| I | Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling /grouting and finishing complete as per direction of Engineer-in-charge. | 559.00 | | M² | |
| | | | | | |
| 34 | Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : | | | | |
| A | 25 mm thick | 106.00 | | M² | |
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| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|--|--------|------|----------------|--------|
| 35 | Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 9 mm thickness, including Grouting the joints of tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling /grouting and finishing complete as per direction of Engineer-in-charge. (a) Size of Tile 600 x 600 mm | 523.40 | | M ² | |
| | | | | | |
| 36 | Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement :4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc., complete. | 32.90 | | M ² | |
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| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|--|--------|------|----------------|--------|
| 37 | Providing and fixing 1st quality ceramic 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, black of any size as approved by Engineer in- Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. | 67.80 | | M ² | |
| | | | | | |
| 38 | Providing flooring with one side polished Kota stone slab 15 to 17 mm thick of approved shade & size set in cement mortar 1:3 (1 cement 3 sand) 25 mm thick. Pointing the joints complete as directed. | 63.20 | | M ² | |
| | | | | | |
| 39 | Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations : | 481.40 | | M ² | |
| a | Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|----------|---|------|------|------|--------|
| b | Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. | | | | |
| c | After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-----------|---|--------------|------|-------------|--------|
| d | Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. | | | | |
| e | The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge : | | | | |
| i | With average thickness of 120 mm and minimum thickness at khurra as 65mm. | | | | |
| | | | | | |
| 40 | Providing & fixing PVC Nahni trap 100 mm dia. with necessary fittings, making good the walls & floor, including cost of labour, materials etc., complete as directed. | 14.00 | | Each | |
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| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-----------|--|-------------|------|-------------|--------|
| 41 | 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, including flush pipe, 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 : | | | | |
| a | W.C. pan with ISI marked white solid plastic seat and lid | 2.00 | | Each | |
| | | | | | |
| 42 | Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, 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:& its accessories. | | | | |
| a | White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests | 3.00 | | Each | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------------|---|--------------|------|-------------|--------|
| 43 | Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required :- | | | | |
| (a) | White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer. | 4.00 | | Each | |
| | | | | | |
| 44 | Providing and fixing brass bib cock of approved quality : | | | | |
| a | 15 mm nominal bore | 20.00 | | Each | |
| | | | | | |
| 45 | Providing and fixing C.P .Brass Stop cock. | | | | |
| a | 15 mm dia. - weight 0.40 kg | 20.00 | | Each | |
| | | | | | |
| 46 | Providing and fixing Stainless Steel A ISi 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : | | | | |
| a | 610x510 mm bowl depth 200 mm | 2.00 | | Each | |
| | Tea Post | | | | |
| | | | | | |
| 47 | Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively. | 5.00 | | Each | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-----------|---|---------------|------|-------------|--------|
| 48 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.(Concealed work, including cutting chases and making good the walls etc). | | | | |
| a | 15 mm nominal outer dia Pipes | 390.00 | | Mtr. | |
| b | 20 mm nominal outer dia Pipes | 65.00 | | Mtr. | |
| c | 25 mm nominal outer dia Pipes | 65.00 | | Mtr. | |
| 49 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. | | | | |
| a | 32 mm nominal outtrt dia pipes external work | 65.00 | | Mtr. | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|--|--------|------|------|--------|
| 50 | 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. | | | | |
| a | 110 mm diameter | 65.00 | | Mtr. | |
| | | | | | |
| 51 | Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length,including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. | | | | |
| a | 110 mm | 180.00 | | Each | |
| | | | | | |
| 52 | Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS- 12818 and making good the same etc. complete as per direction of Engineer-in-charge. | 4.00 | | Each | |
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| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-----------|--|--------------|------|-------------|--------|
| 53 | 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 : 8 graded 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 : | | | | |
| a | Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) : | | | | |
| i | With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 | 14.00 | | Each | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-----------|--|-----------------|------|-------------|--------|
| 54 | Providing, laying & jointing PVC pipes of required working pressure as per I.S.I. 4985 including cutting and jointing the pipe ends as per manufacturer's instructions including the cost of specials wherever required and, excavation and refilling of the trenches or fixing on walls or similar structures with clamps and testing the joints etc. complete as directed. | | | | |
| a | Pipe 75 mm outer dia. working pressure 4kg/cm ² . | 52.00 | | Mtr. | |
| | | | | | |
| b | Pipe 160 mm outer dia. working pressure 6 kg/cm ² . | 120.00 | | Mtr. | |
| | | | | | |
| 55 | Providing & fixing SWR PVC (I.S.I - IS 13592) waste or vent pipe including necessary specials such as Tees, Bends, Y's Plinth offsets, Shoes , Vent cowl etc . with bracket , screws on wooden plugs fixed on wall face including filling joints with solution & cement mortar 1:2 complete as directed. | | | | |
| a | 110 mm dia. (OD) | 25.00 | | Mtr. | |
| | | | | | |
| 56 | Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 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. | 11000.00 | | Ltr. | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|---|--------|------|----------------|--------|
| 57 | Breaking into masonry walls, fixing and connecting drainage pipes to manhole or to the buildings including making good holes in masonry or bed channels of manhole with C.C. 1:2:4 and plastered and finish ed to the original specifications complete as directed. | | | | |
| a |) For pipes 100 to 160 mm dia. | 26.00 | | Each | |
| | | | | | |
| 58 | Providing and fixing 600x450 mm beveled 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. | 2.00 | | Each | |
| | | | | | |
| 59 | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. | | | | |
| A | With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre | 546.00 | | M ² | |
| | | | | | |
| 60 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. | 546.00 | | M ² | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-----------|---|----------------|------|----------------------|--------|
| 61 | Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : | | | | |
| a | Two or more coats on new work | 546.00 | | M² | |
| | | | | | |
| 62 | Finishing walls with water proofing cement paint of required shade : | | | | |
| a | New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm. | 1046.00 | | M² | |
| | | | | | |
| 63 | Supplying, testing, commissioning RO Plants of 150 Litre per hour capacity (including required PVC water tank) of approved make which consists of all necessary parts viz motor pump of required capacity, multipart valve, 20" bowl & filter silver process of high pressure pump of required capacity, multipart valve, 20" bowl & filter silver process of high pressure pump of required capacity, membrane, Rotameter, pressure meter, electric panel with M.S. Cabinet all necessary Electric & other connection required to commissioned the RO Plant which gives the required TDS complete with loading, unloading & Transportation, Installation including all taxes with one year warrantee and maintenance free. | 3.00 | | Each | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|--|--------|------|----------------|--------|
| 64 | Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over (an under coat of existing primer) of approved brand and manufacture. | 378.00 | | M ² | |
| 65 | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture. | 13.00 | | M ² | |
| 66 | Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. | | | | |
| a | 80x1.25 mm M.S. laths with 1.25 mm thick top cover | 28.00 | | M ² | |
| b | Providing and fixing ball bearing for rolling shutters. | 6.00 | | Each | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-----------|---|----------------|------|----------------------|--------|
| | | | | | |
| c | Extra for providing mechanical device chain and crank operation for operating rolling shutters. | | | | |
| i | Exceeding 10.00 sqm and upto 16.80 sqm in the area | 28.00 | | M² | |
| | | | | | |
| 67 | Providing and laying 60mm thick factory made cement concrete interlocking paver block of M - 30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge. | 9504.00 | | M² | |
| | | | | | |
| 68 | Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. | 6168.00 | | KG | |
| | | | | | |
| 69 | Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. | | | | |
| a | On steel work | 195.84 | | M² | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|---|----------|------|----------------|--------|
| 70 | Reclamation of area for plot & approach road with mechanical plants equipments with quarry spall not exceeding 125 mm th. Including cost of excavation royalty taxes loading, unloading, transportation, spreading in two layer from existing ground level to required level, levelling, dressing etc. & wet consolidation by loaded trucks movement and at top with powe vibratory roller etc. complete with all labour and material as directed by Engineer-in-charge | 55756.00 | | M ³ | |
| 71 | Construction of granular sub - base by providing, laying, spreading and compacting CLOSE/ COARSE GRADED MATERIAL mixing at O.M.C spreading in uniform layers with motor grader on prepared surface and compacting with roller of required type and capacity to achieve the desired density including all labour, material , machinery, lighting, guarding, barricading complete as directed.(Mix in place method) | 56475.00 | | M ³ | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|---|-----------|------|----------------|--------|
| 72 | Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paverfinisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. | 30450.00 | | M ³ | |
| | | | | | |
| 73 | Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface & cleaning with mechanical broom. | | | | |
| a | With medium setting bitumen emulsion | | | | |
| i | On W.B.M / W.M.M. @ 0.75 kg/sqm | 101500.00 | | M ² | |
| | | | | | |
| b | With rapid setting bitumen emulsion | | | | |
| i | On bituminous surface @ 0.25kg/sqm | 101500.00 | | M ² | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-----------|---|-----------------|------|------------|--------|
| 74 | Providing and laying Dense Graded Bituminous Macadam using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equiped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specifcations and directions of Engineer-in-Charge. | | | | |
| a | 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 5% (percentage by weight of total mix) and lime filler @ 2% (percentage by weight of Aggregate) prepared in drum Type Hot Mix Plant of 60-90 TPH capacity. | 35139.00 | | M T | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-----------|---|-----------------|------|------------|--------|
| 75 | Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge. | | | | |
| a | 40/50 mm compacted thickness with bitumen of grade PMB-40 @ 6.00 % (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) prepared in drum Type Hot Mix Plant of 60-90 TPH capacity. | 11957.00 | | M T | |
| | | | | | |

[illegible]

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|--|---------|------|----------------|--------|
| 77 | Providing and applying 2.5 mm thick road marking strips (retro-reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in- charge and accordance with applicable specifications. | 2993.00 | | M ² | |
| | | | | | |
| 78 | Providing and fixing Automatic boom barrier with straight Boom of 6mt length, including Photocell Pair and Remote Keyjob with all necessary civil and electricals works required or as directed by E-I C. | 4.00 | | Each | |
| | | | | | |
| | Parking Plot-I | | | | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|---|---------|------|----------------|--------|
| 79 | Providing and fixing CAT's EYE(glow studs) heavy duty integrals stem, reflective, aluminum die cast with elegant finish of size 100 mm x 100 mm and 20 mm high having a stem of 50 mm (or 12 mm dia x 90 mm long) screwed and nailed into the road surface or at the nosing of the central verge. the road studs should have reflectors fitted on one side of the studs (3 nos. 7 element or 1 no 29 element reflector) complete. | 1764.00 | | Each | |
| | | | | | |
| 80 | Collection and spreading of manure (goat dropping & cow dung dried) free from foreign materials subject to the approval of Engineer-in-Charge including loading, unloading, transport & stacking at site of work. | 62.00 | | M ³ | |
| | | | | | |
| 81 | Collection and spreading of sweet earth including cost of excavation, royalty, loading, unloading, transport & stacking at site of work | 741.00 | | M ³ | |
| | | | | | |
| | along comp wall @ 5 mtr c/c | | | | |
| | for guarden | | | | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-------------|---|---------------|-------------|-------------|---------------|
| 82 | supplying and fixing (Planting) green trees in said position including digging the soil for planting and providing necessary support to plant and wattering the plant till the completion of work and ansure the survival of plant till than. | | | | |
| a | 5 to 6 feet height | 290.00 | | Each | |
| | | | | | |
| 83 | supplying and fixing (Planting) green trees in said position including digging the soil for planting and providing necessary support to plant and wattering the plant till the completion of work and ansure the survival of plant till than. | | | | |
| a | Different type of PALM, COCONUT, Dates,and other similar type of tree of atleast Seven to Eight feet height as directed. | 200.00 | | Each | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-----------|---|----------------|------|-------------|--------|
| 84 | Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete including Excavation 750 mm wide and 900 mm deep and same should be filled with CC-1:1.5:3 (60 cm thk) after laying of R.C.C. pipe and Sand filling and PCC 1:4:8 (10cm thk) at bottom as per Drawing. | | | | |
| a | 300 mm dia. R.C.C. pipe | 660.00 | | Mtr. | |
| | | | | | |
| 85 | Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : | | | | |
| a | 300 mm dia. R.C.C. pipe including excavation of size 450 in width and 40 cm in depth and supplying and filling sand at bottom of 10 cm thickness | 1704.00 | | Mtr. | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|---|---------|------|----------------|--------|
| 86 | Providing, laying and fixing in position upto 1 km lead design mix reinforced cement controlled concrete for RCC Precast slab / RCC Precast curbing of design mix M-30 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping / placing of concrete to site of laying including the cost of centering, shuttering, finishing, admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Rate is exclusive of cost of reinforcement) | 603.00 | | M ³ | |
| | | | | | |
| | | | | | |
| 87 | Plastering with cement mortar 1 : 4 including racking out joints, scrubbing & cleaning, finishing smooth curing including racking out joints etc. complete for interior plastering upto floor two level. | | | | |
| a | 8 mm cement plaster of mix : | | | | |
| i | 1:4 (1 cement: 4 fine sand) | 8710.80 | | M ² | |
| | | | | | |
| 88 | Finishing walls with Acrylic Smooth exterior paint of required shade : | | | | |
| a | New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) | 1742.16 | | M ² | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-----------|--|-----------------|------|----------------------|--------|
| 89 | Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. | | | | |
| a | 40 mm thick with 20 mm nominal size stone aggregate | 272.00 | | M² | |
| 90 | Providing & filling black trap stone boulder in plinth or foundation trenches etc. in layers not exceeding 30cm including levelling, & consolidation by vibratory roller etc., all labour & materials complete. | 978.00 | | M³ | |
| 91 | Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. | 16221.90 | | KG | |
| 92 | Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture. | 378.00 | | M² | |
| 93 | Finishing walls with water proofing cement paint of required shade | | | | |
| a | New work (Two or more coats applied @ 3.84 kg/10 sqm) | 11561.00 | | M² | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|---|---------|------|----------------|--------|
| 94 | Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 5 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately) | 1304.00 | | Mtr. | |
| 95 | Providing and fixing signs board with a corrosion resistance 2mm thick aluminium alloy sheet with high intensity peismatic (HIP) grade retro reflectivesheet, including fixing on structure as directed including lettering overhead sign etc complete all laboursand materials as directedbyengineer-in-charge (excluding cost of frame work). | 35.10 | | M ² | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|---|---------|------------------|------|--------|
| 96 | Fabricatting steel structure for Road Sign Boards including hoisting, fixing, welding bolted and cutting to required length and shape, drilling holes, jointing in an approved manner, applying priming coat and two coats of synthetic enamel paint and fixing in C.C. 1:11/2:3 of size 60X60X90 cm (includes excavation, refilling, cement concrete, curing) etc. complete as directed by engineer-in-charge. | 2808.00 | | KG | |
| | | | | | |
| | | | Total for Part A | | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|---|----------|------|------|--------|
| | PART B | | | | |
| | MAINTANANCE FOR TWO YEAR | | | | |
| | | | | | |
| 1 | Maintainance the toilet block, Rest Shelter and Gate cabin building from inside building and surrounding area of buildings by engaging sufficient man power for cleaning & maintaining hygenic condition including all the materials required for cleaning purpose like Nepethylene Ball, Acid, Deterrgent powder, Goa broom, Tiles cleaner, Air freshner spary and any items required for the purpose of cleaning and maintainance of toilet and surrounding premises and also carry out all types of maintenance activities by means of repair/ replacement of pipe lines drainage line and its fittings and fixtures and periodically cleaning of chambers, septic tank, water tank etc. | | | | |
| a | Sweeper / male mazdoor /female mazdoor for cleaning of Toilet block, Rest shelter, office building round the clock. | | | | |
| | | | | | |
| | PARKING PLOT - I | | | | |
| | TOILET BLOCK | | | | |
| | PARKING PLOT-I | | | | |
| | REST SHELTER | | | | |
| | Gate Cabin (Guard) | | | | |
| | for maintainance of plants | 11680.00 | | Day | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|--|----------|------------------------|------|--------|
| | | | | | |
| | | | | | |
| 2 | Supply of potable water for cleaning and drinking by water tanker at Kandla. | 18250.00 | | KL | |
| | | | Total for Part B | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | Contractor | | Executive Engineer (H) | | |
| | | | | | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|--|---------|------|------|--------|
| | <u>PART C</u> | | | | |
| | <u>ELECTRICAL PART</u> | | | | |
| | | | | | |
| 1 | Supply at site 4 Core X 95 sqmm armoured LT aluminum conductor XLPE cable of 1.1KV grade of the following type & size as per IS: 7098 (Part - I) 1988 & as per technical specification No. 1. | 1600.00 | | Mtr. | |
| | | | | | |
| 2 | Supply at site 4 Core X 16 sqmm armoured LT aluminium conductor XLPE cable of 1.1KV grade of the following type & size as per IS: 7098 (Part - I) 1988 & as per technical specification No. 2. | 450.00 | | Mtr. | |
| | | | | | |
| 3 | Laying of 4 Core X 16 sqmm armoured LT aluminum conductor XLPE cable of 1.1KV grade through excavation in soft/hard soil/on wall by proper clamping per technical specification no. 3. | 450.00 | | Mtr. | |
| | | | | | |
| 4 | Laying of 4 Core X 95 sqmm armoured LT aluminum conductor XLPE cable of 1.1KV grade through excavation in soft/hard soil/Asphalt layer as per technical specification no. 4. | 1400.00 | | Mtr. | |
| | | | | | |
| 5 | Laying of 4CoreX 95sqmm armoured LT aluminium conductor XLPE cable of 1.1KV grade through through Road crossing as per technical specification no. 5. | 200.00 | | Mtr. | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-------------|--|-------------|-------------|-------------|---------------|
| 6 | Supply, Install testing & commissioning of stainless steel 316 grade feeder pillar outdoor type free standing with door locking system as per technical specification no. 6. | 3.00 | | Nos. | |
| | | | | | |
| 7 | Supply, Install testing & commissioning of 1200 mm sweep three blade ceiling fans as per technical specification no. 7. | 12.00 | | Nos. | |
| | | | | | |
| 8 | Supply, Install testing & commissioning of 300 mm Exhaust fan as per technical specification no. 8. | 10.00 | | Nos. | |
| | | | | | |
| 9 | Supply, Install, testing & commissioning of single phase 215v, 50HZ AC 1HP MONOBLOCK pump as per technical specification no. 9. | 1.00 | | Nos. | |
| | | | | | |
| 10 | Supply, Install testing & commissioning of 4 feet LED tubelight cool white of 215V, 50HZ AC as per technical specification no. 10. | 30.00 | | Nos. | |
| | | | | | |
| 11 | Supply, Install testing & commissioning of outdoor type 60W LED flood light cool white of 215V, 50HZ AC as per technical specification no. 11. | 14.00 | | Nos. | |
| | | | | | |
| 12 | Supply, Install, testing & commissioning point wiring with 1.5sqmm copper stranded FRLS wire with MMS casing capping along with its accessories, complete with labour and materials as per technical specification no. 12. | 70.00 | | Nos. | |
| | | | | | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|-------------|--|-------------|-------------|-------------|---------------|
| 13 | Supply, Install, testing & commissioning 5amp Half point point wiring with 1.5sqmm copper stranded on existing board with accessories, complete with labour and materials as per technical specification no. 13. | 15.00 | | Nos. | |
| 14 | Supply, Install, testing & commissioning circuit wiring with 2.5sqmm copper stranded FRLS wire three wire phase neutral & earth with MMS casing capping along with its accessories from main DB/Sub DB to main individual board, complete with labour and mater. | 350.00 | | Mtr. | |
| 15 | Supply, Install, testing & commissioning point wiring with 2.5 sqmm copper stranded FRLS wire three wire, phase neutral & earth with MMS casing capping along with its accessories complete with labour and materials as per technical specification no. 15. | 7.00 | | Nos. | |
| 16 | Supply, Install testing & commissioning of SP MCB C curve, 230v. 50HZ AC from 4 to 32 amp as per technical specification no. 16. | 15.00 | | Nos. | |
| 17 | Supply, Install testing & commissioning of MCB DB single door 10way distribution board 415v. 50HZ AC as per technical specification no. 17. | 8.00 | | Nos. | |
| 18 | Supply, Install testing & commissioning of FP MCB C curve, 4150v. 50HZ AC from 30 to 63 amp as per technical specification no. 18. | 2.00 | | Nos. | |

| I No | Description of item | Qty. | RATE | UNIT | AMOUNT |
|------|---|---------------|------------------|------|--------|
| 19 | Supply, Install testing & commissioning of RCCB as per technical specification no. 19. | | | | |
| | i) Double pole 25A,215V,50Hz,30mA | 2.00 | | Nos. | |
| | ii)Three pole 63A,415V,50Hz 100mA | 2.00 | | Nos. | |
| 20 | Supply, Install testing & commissioning GI earthing flat of 25 X 3mm thick to be connect to earth to main earthing as per technical specification no. 20. | 300.00 | | Mtr. | |
| 21 | Supply, Installation, Testing and Commissioning of plate Earthing as per Technical Specification no. 21. | 4.00 | | Nos. | |
| 22 | Supply of Outdoor Type FRP junction Box along with Electrical Switchgears as per Technical Specification no. 22. | 12.00 | | Nos. | |
| | | | Total for Part C | | |
| | | | | | |
| | | TOTAL (A+B+C) | | | |

Contractor

Executive Engineer (E)