

GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED**GONDAL CIRCLE**

Name of Work :- Construction of 220KV C.R. Building, Store Building, Security Cabin, Gantry & Equipment Foundations, RCC Cable Trench, Stacking Platform, RCC Road, Parking shed, Water Sump, Oil sump, Yard Metal Spreading, Existing C/wall & Drain Repair & Maintenance & Misc. Civil works etc. at 220KV Makansar S/S, Ta. Wankaner & Dist. Morbi under Gondal TR Circle.

SCHEDULE-B:- FOR CIVIL WORKS

Item No.	Item Description	Unit	Quantity
[A]	EXCAVATION, FILLING AND EARTH WORK		
1	Excavation for foundation up to 1.50 m Depth including sorting out and stacking of useful materials & Refilling in yard and the sides of the trenches and disposing of the excavated stuff up to any lead - Dense soil Backfilling Consolidation shall be done by spring vibratory earth compaction machine of 5 ton capacity.	Cmt	2371.00
2	Excavation for foundation up to 1.50 m Depth including sorting out and stacking of useful materials & Refilling in yard and the sides of the trenches and disposing of the excavated stuff up to any lead - Hard Murrum Backfilling Consolidation shall be done by spring vibratory earth compaction machine of 5 ton capacity.	Cmt	2278.00
3	Excavation for foundation up to 1.50 m Depth including sorting out and stacking of useful materials & Refilling in yard and the sides of the trenches and disposing of the excavated stuff up to any lead - Soft Rock Backfilling Consolidation shall be done by spring vibratory earth compaction machine of 5 ton capacity.	Cmt	5439.00
4	Excavation for foundation up to 1.50 m Depth including sorting out and stacking of useful materials & Refilling in yard and the sides of the trenches as directed by EIC and disposing of the excavated stuff up to any lead - Hard Rock Backfilling Consolidation shall be done by spring vibratory earth compaction machine of 5 ton capacity.	Cmt	640.00
5	Excavation for foundation above 1.50 m up to 3.0m Depth including sorting out and stacking of useful materials & Refilling in yard and the sides of the trenches and disposing of the excavated stuff up to any lead - Soft Rock Backfilling Consolidation shall be done by spring vibratory earth compaction machine of 5 ton capacity.	Cmt	180.00
6	Excavation for foundation above 1.50 m up to 3.0m Depth including sorting out and stacking of useful materials & Refilling in yard and the sides of the trenches and disposing of the excavated stuff up to any lead - Hard Rock Backfilling Consolidation shall be done by spring vibratory earth compaction machine of 5 ton capacity.	Cmt	5315.00
7	Excavation for foundation 3.0 mtr to 5.00 mtr Depth including sorting out and stacking of useful materials & Refilling in yard and the sides of the trenches and disposing of the excavated stuff up to any lead - Hard Rock Backfilling Consolidation shall be done by spring vibratory earth compaction machine of 5 ton capacity.	Cmt	37.00
8	Filling Available Excavated Earth (Excluding rock) in trenches, plinth, in sides of foundations etc. in layers not exceeding 20cm. in depth consolidation each disposed layer by ramming and watering. Consolidation shall be done by spring vibratory earth compaction machine of 5 ton capacity.	Cmt	525.00

Item No.	Item Description	Unit	Quantity
9	Supplying, Filling and spreading in plinth/ yard with sand / quarry dust under floors / yard including watering, ramming, consolidating and dressing etc. complete. Consolidation shall be done by plate vibratory compaction machine of 5 ton capacity.	Cmt	151.00
[B]	CONSTRUCTION		
	(1) MASONRY WORK		
10	Providing & laying White stone bela masonry (including quoin blocks, jamb blocks closer etc.) with White Stone Bela of approved size in foundation and plinth with cement mortar 1:6 as directed by EIC. Note: 1. Compressive strength should not less than 7N/mm ² 2. Water absorption should not exceed 5% 3. Stone bella filled with soil requires to be cleaned as first dry clean then pressure washing and scrubbing so that no soil particle remains present. 4. Wetting of stone bella requires for 03 to 24 hours before laying. 5. Curing of mortar joints shall commennced from 12 hours of laying and shall be done till 7 days.	Cmt	179.00
11	Providing & laying White stone bela masonry (including quoin blocks, jamb blocks closer etc.) with White Stone Bela of approved size for Super Structure G.F+F.F+Stair Cabin with cement mortar 1:6 as directed by EIC. Note: 1. Compressive strength should not less than 7N/mm ² 2. Water absorption should not exceed 5% 3. Stone bella filled with soil requires to be cleaned as first dry clean then pressure washing and scrubbing so that no soil particle remains present. 4. Wetting of stone bella requires for 03 to 24 hours before laying. 5. Curing of mortar joints shall commennced from 12 hours of laying and shall be done till 7 days.	Cmt	226.00
12	Providing and laying Half Brick masonry in common burnt clay building bricks having crushing strength not less than 35 kg/Sq.m in cement mortar 1:4(1 cement & 4 coarse sand) Upto 15M Height. - Conventional Bricks Notes: 1. Testing certificate requires to be submitted. 2. Wetting of bricks requires for 03 to 24 hours before laying. 3. Racking out of joints for 12mm shall be done. 4. Curing of mortar joints shall commennced from 12 hours of laying and shall be done till 7 days.	Smt	99.00
	(2) CONCRETE WORK		
13	Providing and laying cement concrete 1:5:10 (1 Cement : 5 Coarse sand : 10 black crushed stone aggregate 40mm nominal size) and curing complete- Foundation and plinth	Cmt	930.00
14	Providing and laying cement concrete 1:4:8 (1 Cement : 4 Coarse sand : 8 black crushed stone aggregate 40mm nominal size) and curing complete- Foundation and plinth	Cmt	1350.00
15	Providing & laying control cement concrete M-20 as per mix design exposed work with curing etc. complete excluding the cost of ply wood form work & adjustable tubular steel supports/Props but excluding the cost of reinforcement. For Foundations, Footings, Base of columns and Mass concrete Notes: 1. Date of casting shall be mentioned and curing with Jute bag shall be done for 10 days. 2. The plywood is so fixed on to the timber or steel framework that it gives a flush surface on the inside. 3. Ensure all joints are sealed tight with tap or PU foam. 4. Ensure concrete or PVC cover blocks are placed on all sides and bottom.	Cmt	3459.00

Item No.	Item Description	Unit	Quantity
16	Providing & laying control cement concrete M-20 as per mix design exposed work with curing etc. complete including the cost of ply wood form work & adjustable tubular steel supports / Props. but excluding the cost of reinforcement. G.F+FF & Staircase - For Columns Notes: 1. Date of casting shall be mentioned and curing with Jute bag shall be done for 10 days. 2. Verticality and alignment of column position shall be checked. 3. Ensure all joints are sealed tight with tap or PU foam. 4. Ensure concrete or PVC cover blocks are placed on all sides.	Cmt	434.00
17	Providing & laying control cement concrete M-20 as per mix design exposed work with curing etc. complete including the cost of ply wood form work & adjustable tubular steel supports / Props. but excluding the cost of reinforcement. G.F+FF & Staircase in For Beams Notes: 1. Date of casting shall be mentioned and curing with Jute bag shall be done for 10 days. 2. Verticality and alignment of column position shall be checked. 3. Ensure all joints are sealed tight with tap or PU foam. 4. Ensure concrete or PVC cover blocks are placed on all sides.	Cmt	26.00
18	Providing & laying control cement concrete M-20 as per mix design exposed work with curing etc. complete including the cost of ply wood form work & adjustable tubular steel supports / Props. but excluding the cost of reinforcement. For M-20 Vertical walls. Notes: 1. Date of casting shall be mentioned and curing with Jute bag shall be done for 10 days. 2. Verticality and alignment of column position shall be checked. 3. Ensure all joints are sealed tight with tap or PU foam. 4. Ensure concrete or PVC cover blocks are placed on all sides.	Cmt	346.00
19	Providing & laying control cement concrete M-20 as per mix design exposed work with curing etc. complete including the cost of ply wood form work & adjustable tubular steel supports / Props. but excluding the cost of reinforcement. G.F+FF & Staircase - Lintel, Chajja, Slab, Coping. Notes: 1. Date of casting shall be mentioned and curing with Jute bag shall be done for 10 days. For slab, pond curing shall be done for 10 days. 2. Ensure props are braced in both directions with horizontal runners to prevent lateral movement. 3. Props must rest on a firm, hard surface or sole plates. Do not use loose bricks to adjust height. 4. Pay special attention to column caps and beam-column junctions for watertightness 5. Ensure all joints are sealed tight with tap or PU foam. 6. Ensure concrete or PVC cover blocks are placed on all sides and bottom.	Cmt	87.00

Item No.	Item Description	Unit	Quantity
20	Providing & laying control cement concrete M-25 as per mix design exposed work with curing etc. complete excluding the cost of ply wood form work & adjustable tubular steel supports / Props. but excluding the cost of reinforcement in (A) M-25 for Foundations, footings, Base of columns and Mass concrete. Note: 1. Date of casting shall be mentioned and curing with Jute bag shall be done for 10 days. 2. The plywood is so fixed on to the timber or steel framework that it gives a flush surface on the inside. 3. Ensure all joints are sealed tight with tap or PU foam. 4. Ensure concrete or PVC cover blocks are placed on all sides and bottom.	Cmt	151.00
21	Providing & laying control cement concrete M-25 as per mix design exposed work with curing etc. complete including the cost of ply wood form work & adjustable tubular steel supports / Props. but excluding the cost of reinforcement -For Columns. Notes: 1. Date of casting shall be mentioned and curing with Jute bag shall be done for 10 days. 2. Verticality and alignment of column position shall be checked. 3. Ensure all joints are sealed tight with tap or PU foam. 4. Ensure concrete or PVC cover blocks are placed on all sides.	Cmt	70.00
22	Providing & laying control cement concrete M-25 as per mix design exposed work with curing etc. complete including the cost of ply wood form work & adjustable tubular steel supports / Props. but excluding the cost of reinforcement in Beams. Note: 1. Date of casting shall be mentioned and curing with Jute bag shall be done for 10 days for slab beam curing shall be done with water spray 3-4 times a day till 10 days. and maximum spacing 600mm to 1000mm c/c and on each joints. 2. Alignment and stability of beam position shall be checked. 3. Ensure all joints are sealed tight with tap or PU foam. 4. Ensure concrete or PVC cover blocks are placed on all sides and bottom.	Cmt	94.00
23	Providing & laying control cement concrete M-25 as per mix design exposed work with curing etc. complete including the cost of ply wood form work & adjustable tubular steel supports / Props. but excluding the cost of reinforcement in Vertical Wall. Notes: 1. Date of casting shall be mentioned and curing with Jute bag shall be done for 10 days for slab beam curing shall be done with water spray 3-4 times a day till 10 days. 2. Alignment and stability of beam position shall be checked. 3. Ensure all joints are sealed tight with tap or PU foam. 4. Ensure concrete or PVC cover blocks are placed on all sides and bottom.	Cmt	17.00
24	Providing & laying control cement concrete M-25 as per mix design exposed work with curing etc. complete including the cost of ply wood form work & adjustable tubular steel supports / Props. but excluding the cost of reinforcement.-For Sill, Lintel, Coping, Chajja, Slab, Staircase. Notes: 1. Date of casting shall be mentioned and curing with Jute bag shall be done for 10 days. For slab, pond curing shall be done for 10 days. 2. Ensure props are braced in both directions with horizontal runners to prevent lateral movement. 3. Props must rest on a firm, hard surface or sole plates. Do not use loose bricks to adjust height. 4. Pay special attention to column caps and beam-column junctions for watertightness 5. Ensure all joints are sealed tight with tap or PU foam. 6. Ensure concrete or PVC cover blocks are placed on all sides and bottom.	Cmt	132.00

Item No.	Item Description	Unit	Quantity
25	Providing & Fixing in position as per approved drawing TMT reinforcement bars conforming to IS 1786- FE 500/500D/550/550D in RCC work including Cutting, bending, threading, coupling, binding, with 16 gauge annealed wire, rust prevention and rust removal by laser method or as directed for bars as per IS requirement and placing in position etc. completed for RCC work. etc completed as directed by EIC.	MT	362.00
	PLASTER WORKS		
26	Providing 15mm thick cement plaster single coat on masonry / bela / concrete wall / ceiling for plastering up to any floor level finished even and smooth in cement mortar 1:3 (1 Cement : 3 sand) and finishing including scaffolding curing etc complete. (Smooth Finish)	Smt	5864.00
27	Providing 20mm thick sand face cement plaster on wall up to height 10 meters above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1 cement : 3 sand) and 8mm thick finishing coat of C.M. 1:1 (1 cement : 1 sand) etc. complete.	Smt	1760.00
28	Providing Cement Vata (10cmx10cm size) quarter round in cement mortar 1:1 including neat cement finishing watering etc. complete.	Rmt	166.00
	(4) PAINT WORK		
29	Providing and applying two coats of Birla or Asian actrylic lappy (putty) and two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	Smt	2100.00
30	Providing Distempering (three coats) with oil bound distemper of approved brand and manufacture and of required shade on undercoated wall surface to give an even shade over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar droppings and other foreign matter and also including preparing the surface even and sand papered smooth. Minimum 03 year warranty certificate to be taken from paint brand. (Note: Before making final payment to agency warranty certificate from the original manufacture for specific project on the name of agency must be collected.)	Smt	2150.00
31	Providing & applying 2 coats of APOCOLITE APEX or its equiv. ACRYLIC EXTERIOR paint on existing plastered surface or approved make & shade including finishing & thinning as per manufacturer's instruction. A gap of 6 hrs. Should be given between 2 subsequent coats. The work should be carried out strictly as per manufacturer's specification and requirement comp. as directed by EIC. Minimum 05 year warranty certificate to be taken from paint brand. (Note: Before making final payment to agency warranty certificate from the original manufacture for specific project on the name of agency must be collected.)	Smt	4894.00
32	Providing & applying 3 coats of ACID/ALKALI resisting paint of approved shade & make to wall, ceiling including filling putty smoothing the surfaces scaffolding etc. complete as directed by E.I.C.	Smt	150.00
	(5) FLOORING		
33	Providing & laying Vitrified 8 mm to 10mm thick tile flooring of best quality Matt/Glossy of JOHNSON/ KAJARIA/ NITTCO/ VARMORA/ SOMANI/AGL or its equivalent make over 20 mm (average) base of cement mortar 1:3 (1 Cement:3 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with colour cement slurry including finished with flush pointing and cleaning the surface etc. complete For Antiskid.	Smt	141.00
34	Providing and laying Vitrified tiles 8mm/10 mm thick, in skirting , risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry.	Smt	10.00

Item No.	Item Description	Unit	Quantity
35	Providing and laying color Glazed tiles -JOHNSON / KAJARIA / NITTCO/SIMPOLO /VARMORA/ SOMANI/AGL or its equivalent make 8mm thick in flooring & Dedo laid on bed of 12mm thick cement mortar 1:3 (1 cement : 3 course sand) & fixing the same in cement & providing 12mm thick back coating of cement plaster in CM 1:3 for base, filling the joints with white/color cement neatly finishing the joints curing etc. complete.	Smt	272.00
36	Providing and Applying spacer of 4mm with clip for holding tile in level and not less than 4mm depth of epoxy grooving grouting of lavicrete , Roff or its equivalent as directed by Engineer in charge including cost of fixing materials, labour, tools, plants, equipment including all lead & lift comp.	Smt	423.00
37	Providing and laying approved quality Polished Kotah Stone Slab (25mm th. and 600mm x 600mm in size) flooring including using 35x25mm approved quality machine cut, marble strip over 20mm (average) thick base of cement mortar 1:6 (1 cement : 6 course sand or L.M. 1:1.5 laid over and jointed with grey cement slurry including rubbing and mirror polishing using polishing machine with grinding six emery's of different no. including using special chemical powder for polishing including white cement coating two times during polishing for filling up minute holes or cracks in joints etc. complete. The item rate includes the removing the existing flooring including base concrete, throwing the stuff as & where directed upto any lead. Etc. complete as directed by E.I.C. The waste material will be property of contractor.	Smt	300.00
38	Providing and laying Polished Kota stone slab 25 mm th. in risers of steps, Dedo and sills laid on 10 mm thick CM 1:3 & jointed with grey cement slurry including rubbing and polishing etc. complete.	Smt	70.00
39	Providing and laying gang saw cut 15-18mm thick Z black Granite Stone , mirror polished pre moulded and pre polished machine cut granite stone of required size and shape, shade and colour in sill soffit, jams, tred riser, flooring, platform etc over 20mm base of cement mortar 1:6 (1-cement:6 coarse sand) laid or fixing with areldite, or fixing in wall with cutting and jointed with grey cement slurry mixed with pigment, epoxy touchups to match the shade of slab including rubbing polishing etc complete-15-18mm thick for sills, jams.	Smt	132.00
40	Labour charges for Molding Quarter Round Edge to Kotah /Marble including all tools tackles, materials and labour etc. complete as directed.	Rmt	78.00
	(6) DOORS AND WINDOWS		

Item No.	Item Description	Unit	Quantity
41	Providing and fixing fully glazed / partly glazed double leaf 20 micron thick colour anodized aluminium door with following listed extruded section manufactured by Jindal aluminium Ltd. & other accessories, the Aluminium sections are of HE9WP Group: (1) with door outer frame section of 63.5 x 38.1 x 3.18 mm thick weighing 1.777 kg/Rmt (J4605) (2) Door shutter vertical style (meeting style) of 53.7 x 44.45 x 2.30mm thickness (J4537) weighing 1.238 Kg/m (3) Hinge side 53.7 x 44.45 x 2.30mm thickness (J4540) weighing 1.173 Kg/Rmt (4) Bottom rail of size 150 x 44.45 x 2.40mm thickness (J4538) weighing 2.376 Kg/Rmt (5) Lock rail of size 83.5 x 44.45 x 2.40mm thickness (J4549) weighing 1.679 Kg/Rmt (6) Top rail of size 47.62 x 44.45 x 3.18mm thickness (J4506) weighing 1.501 Kg/Rmt (7) Ventilator middle member (if required) 49.91 x 44.45 x 3.00mm thickness (J4621) weighing 1.495 Kg/ Rmt (8) Aluminium handle 127.00 x 37 x 3.65mm thickness (J4483) weighing 1.912 Kg/No. (9) Tower bolt 250mm long (J4954) (10) Aluminium bending mortice lock (J4420) (11) Top panel using 6.0mm thick Triveni or Modi or Saint Gobain make float glass fixed with PVC Clear gasket (12) Bottom panel using 4mm thick exterior aluminium sheet board of make approved by the Engineer - in - Charge (for partly glazed door) fixed with virgin PVC clear gasket (13) Door Closer of make approved by the Engineer - in - Charge approved by the Engineer - in - Charge. with all other required fixtures and fastening of colour anodized with aluminium beading, with all labours and materials etc. complete as directed by EIC. Aluminium section user for fixing hinges, door closer, etc. shall be filled with country teak wood to receive screws.	Smt	52.00
42	uPVC Sliding Window: Providing and fixing factory made uPVC white colour or as directed by EIC two track two panels sliding window of VEKA / finesta or its equivalent make comprising of lead free uPVC multi chambered frame, sash and mullion / coupler (wherever required) extruded profile having minimum wall thickness of 2.10mm for R3 and R4 profiles confirming to EN:12608 in any shape and size as per CPWD specification, uPVC extruded glazing beds, interlocks and inline sash adaptor (wherever required) of appropriate dimension, EPDM gasket, hardware, SS304 grade fasteners of minimum 8mm dia with counter sunkhead, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary necessary stainless steel screws etc. Profile of frame, sash and mullion shall be mitred cut and fusion welded / mechanically jointed duly sealed at corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing the frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality all complete confirming to CPWD specification and direction of Engineer in charge. Two track two panels sliding window with Aluminum channel for roller rack, wool pile, nylon rollers with SS 304 body. Using R3 series with frame (55mm and above) x (40mm and above) & sash (30mm and above) x (55mm and above) with Zinc alloy (Zamak) powder coated handles on every panel along with multi point locking system and tinted Float glass pane of nominal thickness 5mm (weight not less than 12.5kg/sqm).	Smt	46.00
43	Providing and fixing approved quality 20micron thick color anodised Aluminum Ventilator having frame size 63x38.10 mm having thickness 1.20mm & weighing 0.643 kg/rmt approx standard aluminum extruded anodized frame having panel of 5mm thick white/brown glass fixed horizontal louvers in aluminum channel as per details drawings & including fly proof jaali with wire gauge of 85G with teakwood beading of	Smt	3.00
44	Providing and Fixing 20 micron colour Anodised glass partition standard extruded of Aluminium section of size 63.50mm x 38.10mm x 1.95mm (jindal section: 4605 @ wt 1.094 Kg/Rmt) with colour anodized aluminium frame with 5mm thick transparent bronze colour tinted glass as details etc complete for Fixed glass partition.	Smt	50.00

Item No.	Item Description	Unit	Quantity
45	Providing & fixing factory made uPVC Casement White Colour Door Double Panel of VEKA or its equivalent make comprising of lead free uPVC multi chambered frame, sash and mullion / coupler (wherever required) extruded profile having minimum wall thickness of 2.10mm for R3 and R4 profiles confirming to EN:12608 in any shape and size as per CPWD specification, uPVC extruded glazing beds, interlocks and inline sash adaptor (wherever required) of appropriate dimension, EPDM gasket, hardware, SS304 grade fasteners of minimum 8mm dia with counter sunkhead, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary necessary stainless steel screws etc. Profile of frame, sash and mullion shall be mitred cut and fusion welded / mechanically jointed duly sealed at corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing the frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality all complete confirming to CPWD specification and direction of Engineer in charge. Double panel casement door with French (False) Mullion with Zink alloy (zamak) 3D Hinges, multipoint locking system, Zink alloy (Zamak) powder coated handles on both sides. Using R4 series with frame (64mm and above) X (55mm and above) & Sash (64mm and above) X (100mm and above) & French (False) Mullion (64mm and above) x (60mm and above) and Float glass pane of nominal thickness 5mm	Smt	8.00
	(7) FABRICATION ITEMS		
46	Providing and fixing approved quality Rolling shutters of approved make and made with gear operated type with crane handle as per IS 6248 -1979 having 18 gauge sheet thickness and 80mm wide M.S. Laths interlocked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates guide channels and arrangements for inside locking with push pull operation complete including the cost of hood cover with one coat of yellow zinc primer followed by 3 coats of oil painting of approved shade & tint etc complete as directed by E.I.C (The measurement shall be paid for wall opening plus drum only) (A) Shutter having width below 3.5 meter.	Smt	9.00
47	Providing & fixing MS Grill /Angle of approved quality & design & as per drawing & as directed with necessary grill door (if required) including welding or bolted fixtures and fastening. M.S. Flat hold fasts, etc. with 3 coats of oil painting of approved shade & tint with one coat of yellow zinc primer including grouted hold fast etc. complete as directed by EIC.	Kgs.	1710.00
48	Providing supplying fabricating and erecting Chain Link Fencing Panel of size 2400x2000mm made from 75x75mm & 10 gauge GI chain link & 50x50x6mm angle including fixing and chain link in angle frame by means of 40x3 mm GI flat welded to angle frame. Drilling of holes in angle frame and flat, fixing the same with angle post in line, level and plumb by means of 10 mm dia bolts and nuts in frame and flat with hot deep galvanizing as per IS-2633/72 & 209 of 1966 or latest amendment, etc complete as per drawing as directed by EIC. (All this materials like G.I. flat, chain link fencing, GI angles, bolts, nuts will have to be supplied by the contractor). Note: 1. Testing certificate of galvanized coating shall be submitted to EIC / testing shall be done in presence of EIC.	Kgs.	2500.00

Item No.	Item Description	Unit	Quantity
49	Providing & fixing 600mm dia hot dip galvanizing cross spiral type razor type concertina coil having 80 circles, 200 clips with optimum openable stretch of 6 m length using a central core wire high carbon spring steel (High tensile wire) made up of 2.6 mm. dia. as per IS : 4454, Part - 1, Grade - II having minimum galvanizing of 230-250 Gms per mm². around which a edge of razor sharp barbs strip of 0.5 mm. thick & 19 mm. width confirming to IS : 513 DD quality having minimum galvanizing coating of 12 microns with series of barbs punched along the length at regular interval supported / tied to newly proposed GI angle on wall up to 3.00 m height with providing and fixing GI angle 50x50x6 mm having dimension vertical = 600 mm and horizontal 600 mm PLUS '+' shaped and GI flat of 50X6mm having 150mm vertical, 300mm horizontal and 150mm vertical 'inverted u' shaped = total length of GI placed at approx. 3.00 m apart with P & F 04 no. of horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I.clips to retain horizontal, etc complete as per manufactures specification and directed by EIC. Note: 1. Testing certificate of galvanized coating shall be submitted to EIC	Rmt	700.00
50	Providing and fabricating and placing approved quality steel work welded Hot dip Galvanizing as per IS-2633/72 & 209 of 1966 or latest amendment, etc complete in built up sections, framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint :-(A) In beams and joints channels angles, tees, flats with connecting cleats as in main and cross beams, hip and jack rafters, purloins connected to common rafters etc. Note: 1. Testing certificate of galvanized coating shall be submitted to EIC	Kgs.	45660.00
51	Supply, fabrication, cutting, threading of M.S rod including hot dip galvanizing the same of required size and length including 2 Nos of hex nuts with check nut, lock nut, plain washer, spring washer, base plate 65X10 thick stopper pit welded at end. etc; complete as directed by E.I.C	Kgs.	27310.00
52	Setting of TR Rail for transformer plinth in line, level and gauge before concreting of foundation and making necessary holes in rail poles if required & fixing the foundation bolts and fixing template in such a way as it remains in position during concrete as directed by EIC.	Pair	3.00
53	Setting of Template & foundation bolts in line and level before concreting of Equipment Foundation and making arrangement of fixing template in such a way as it remains in position during concrete etc. comp. as directed by EIC. Note: The rate includes supplying and setting both.	Nos.	700.00
54	Setting of Template & foundation bolts in line and level before concreting of Gantry Foundation and making arrangement of fixing template in such a way as it remains in position during concrete etc. comp. as directed by EIC. Note: The rate includes supplying and setting both.	Nos.	75.00
55	Providing & fixing M.S. ladder 450mm wide or 50x6mm M.S. flat and 16mm dia M.S. Bars welded as step at 300mm C/C and fixing the ladder & one coat yellow zinc primer and 3 coats of oil painting etc. complete as directed by E.I.C.	Rmt	15.00
56	Providing & Fixing SIGN BOARD having size 1000 X 750 mm. for SUB-STATION made from 16 gauge M.S. Sheet having frame work of 35X35X3 mm. M.S. angle all-round & 4 vertical intermediate angle supports at equal distance welded to sheet with 3 Nos. of 50X50X6 mm. M.S. angle posts 3.0 M. long with arrangement of bolting, 1 coat yellow zinc primer and 3 coats of oil painting etc., complete as directed by E.I.C	Nos.	1.00

Item No.	Item Description	Unit	Quantity
57	Providing and fixing approved quality Sliding / Hinge Gate of 40mm dia mild steel pipe B class all round and 20mm dia Mild steel pipe at 200mm C/C and 12mm mild steel square bars at 200mm C/C alternatively (I.e. One between two pipes) vertically welded to 40mm dia pipe frame as per drawing and design with necessary brackets, hold fasts, locking arrangement on top & aldrop on both the side including base rail for sliding the gate having ball bearing, rollers & guide tracks of 50x6mm M.S. flat with hold fast, fabrication of side supports including fixing GETCO letter on front side etc. comp. with three coats of approved oil painting & one coat of yellow zinc primer as directed by EIC. (The cost does not include the cost of reinforcement)	Smt	20.00
	(8) MISC.		
58	Providing & fixing Pre-cast Coloured Rubber Dye Inter Locking concrete block 60 mm thick with grade of concrete M-300 pneumatic compressed by mechanically pressed and as per approved design including 75 mm sand layer for leveling and filling the joint with sand in proper line and level etc complete. Note: 1. Compression Testing certificate of Paver block shall be submitted to EIC / testing shall be done in presence of EIC.	Smt	673.00
59	Providing & placing 50mm thick & 300mm wide Prestressed Concrete Cover (for clear span of up to 1.2 meter in proportion (1:1:5:3) or M-20 necessary reinforcement or 4mm dia HT steel wire-4 Nos. bars and 4mm dia. distribution bars at 150 mm C/C as per drawing & design & vibrating with vibrators. Finishing all the surfaces, curing by placing in water pond for ten days etc. complete as directed by E.I.C. The rate includes cost of all material required, labour charges, transportation, loading, unloading etc. Note: 1. Compression Testing certificate of PSC cover shall be submitted to EIC / testing shall be done in presence of EIC.	Smt	1180.00
60	Providing & laying Water Proofing Treatment on terrace including applying neat cement slurry 2.75 kg./sq.mt. on cement admixed with water proofing component after cleaning the surface, Laying cement concrete with brick bat 75mm to 100mm thick with 50% of C.M. 1:5 admixed with water proofing component over 20mm thick layer of C.M. 1:5 to required slope including ramming at junction of wall and slab, after two days of proper curing applying a second coat of cement slurry, finished the surface with 20mm thick C.M. 1:4 china mosaic flooring and finally finishing the surface with trowel with white cement slurry after finishing the whole terrace shall be flooded 75mm deep with water for a period of two weeks. 300 mm vata on wall shall be done. The measurements shall be given only for clear area of terrace excluding the area of vatta. The contractor shall submit performance guarantee of the waterproofing item at the rate of 20% of cost of item of work order for a period of 5 years from actual date of completion of work on stamp paper of appropriate value in approved format of GETCO. Note: 1. During pond curing if dampness observed then that area shall be rectified with chemical treatment / shall be removed and requires to be executed again. Then again 7 days pond curing shall be done for checking.	Smt	750.00

Item No.	Item Description	Unit	Quantity
61	Providing & applying Anti Termite Treatment , as per IS 6313 (Part.II & II 2001) for building works in pre construction & post const. stages, using chemicals conforming to relevant IS in water emulsion and effective when applied uniformly over the area to be treated. The chemical to be used is chlorophriphos 20% EC or its equivalent. The treatment is to be carried out as per the procedure mentioned below and treated plinth surface area is to be taken for measurement. (with performance guarantee for 5 years)a)For pre construction treatment: For plinth filling & periphery holes in side plinth to be drilled 300MM C/C each having depth 1.5M and for inside plinth the hole are to be treated with diluted chemical solution, 1.5 lit. per hole, in the ratio of 1:20. For periphery i.e. out side plinth the ditch is to be treated with diluted solution 2.25 litre per rmt. In the ratio 1:20. The entire surface area is to be treated with diluted solution of dose 2.5 litres per smt. over and above as a plinth surface treatment. The contractor shall submit performance guarantee of the waterproofing item at the rate of 20% of cost of item of work order in the form of DD or in the form of BG of Schedule Bank / Nationalised Bank in favour of GETCO (A/c Agency) for a period of 5 years from actual date of completion of work stamp paper of appropriate value in approved format of GETCO.	Smt	1068.00
62	Providing & fixing approved quality 300x300mm size Marble Year Plate with black border all round & letters including fixing the same in cement mortar etc. comp. as directed by EIC.	Nos.	2.00
63	Providing plantation & development of plants /trees/flowers,ornamental plants, & garden shrubs,small trees of plants of selected & approval name quality,size & growth in good condition.The work includes cost of plants,material,digging pit in the soil of size 0.6x0.6x0.6 mtr soil for planting trees, mixing manure & refilling pit with good earth, watering as & where required. Providing pesticides/fertilizer for maintenance, replacement & replacing of dead plant during maintainence, cleaning, removing, labour, tools & tackles transportation,loading & unloading etc.complete as directed by E.I.C.	Nos.	100.00
64	Providing and laying 50-75mm thick Grouting with Non Shrink Grouting material of CONBEXTRA-GP2, POLYGROUT-NS or equivalent, having the minimum compressive strength of 45 N/Sqmm mixing as per manufacturer's specification including necessary shuttering, tool tackles labour etc completed as directed by Engineer	Smt	620.00
65	Providing and fixing Acrylic Name plates of require size including painting letters as directed and fixing as directed by EIC.	Nos.	12.00
66	Providing and fixing Sign Board made out of 2mm Aluminium/ ACP sheet of required size as per design given by EIC , pre trated with phospheting process and acid etching, coated with one coat of epoxy primer and two coats of best qualift epoxy paint, reflectorised with retro reflective sheeting as per lates M.O.S.T specifications. Latters and numerals should be as per IRC 30-1968, 3.1m long stand post and frame may be erected from 50 x 50 x 5mm or 75 x 75 x 6 mm as required and painted with best quality epoxy coatings. The details of symbols or inscription / numerals for board shall be as per instruction of EIC. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 cm for each leg including excavation concreting curing etc complete under supervision of	Nos.	1.00
67	Transportation of Girder/ Rail / SS Structure/ Tower/ Conductor/ Insulator/ Cables/ Hardware/ GI Strips/ Earthwire/ Staywire/ Furniture/ Transformer Oil. Etc. from GETCO's nearest Store centre/SS to another destination including loading and unloading. (Upto 70 KMs-Per Trip up to 9 MT)	Job	2.00

Item No.	Item Description	Unit	Quantity
68	Providing and fixing eco-friendly light weight calcium silicate false ceiling tiles having Tegular edge & 15 mm Thick Densified edges on the Tile Periphery for Extra Strength The Light weight calcium silicate ceiling tiles shall have , light reflection 85% non-combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity 0.043° w/m KC. for the best thermal Insulation . The Light weight calcium Silicate tile shall be of approved texture Fine fissured/ Spintone/Cosmos having NRC value of 0.5 & Globe having NRC value of 0.75 NRC or equivalent of size 595 X 595 mm to be laid on true horizontal level suspended inter locking metal grid of hot dipped galvanized steel sections (galvanizing @120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and size of 24X38mm made from 0.30 mm thick (minimum) sheet, 1200mm centre to centre, and cross 'T' of size 24X28mm made out of 0.33mm (Minimum) sheet spaced 1200mm along spaced between main 'T' at 600mm centre to centre to form a grid of 1200X600mm and secondary cross 'T' of length 600mm and size 24x28mm made of 0.30 mm thick (Minimum) sheet to be interlocked at middle of the 1200X600mm panel to form grid of size 600X600mm resting on periphery walls/partitions on a perimeter wall angle pre-coated steel of size (24X24X3000mm made of 0.40mm thick (minimum) sheet with the help of rawl plugs at 450mm centre to centre with 25mm long dry wall screws @ 230mm interval and laying 15mm thick Densified edges light weight calcium silicate ceiling tiles of approved texture (Fine Fissured/Cosmos/Spintone) in the grid including, cutting /making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required, Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25X35X1.6mm fixed to ceiling with 12.5mm dia and 50mm long dash fasteners, 4mm G.I. adjustable rods with galvanized steel level clips of size 85X30X0.8mm, spaced at 1200mm centre to centre long main 'T' bottom exposed with 24mm of all T-sections shall be pre-painted with polyester baked paint, for all heights, as per specifications, drawings and as directed by engineer-in-charge. Note:- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/opening (cut outs) having area less than 0.30 sqm. The calcium silicate ceiling tiles shall have NRC. Value of 0.50 (Minimum) for Fine fissured/Spintone/Cosmos and 0.75 NRC for Globe, light reflection 85% non-combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity. 0.043° w/m KC. for the best thermal Insulation.	Smt	250.00
69	Providing & fixing 75mm dia. PVC Cowl vent of light type.	Nos.	4.00
70	Design, Supply, Fabrication, Erection and Installation of the following: Tensile Membrane Car Parking shade. Fabric Details for Car Park shade: The fabric used will be SIOEN Belgium, Type-0, 650 GSM, Translucent, 1100 dtex Yarn, 8 x 8 weave, both side PVDF coated, Flame Retardant, Temperature resistance -30° C/+70° C, Breaking Strength (warp/weft) 2500/2000 N/5cm, Tear strength 250/200 N, Antibacterial, UV treated, White coloured fabric, with 10* years warranty. Structure Detail: The car parking & conical structure steel skeleton will be made from approved make MS sections comprising of a combination of RHS (Rectangular Hollow Section), CHS (Circular Hollow Section), SHS (Square Hollow Section) and MS Plates with welding, screwing, or bolting wherever necessary in line with the structural design requirements. Hardware Details: All the end-fittings & accessories related to tightening & anchoring of the fabric skin to structure steel skeleton will be provided by contractor in line with the structural design requirements. Painting Details: The MS steel structures will be painted with two coats of Epoxy Primer and two coats of Epoxy Paint. Comments and Special Instruction: The total Measurement Sq.Ft area will be arrived at based on the Fabric Consumption Area and NOT on the Plan Area. All Civil works related to structure will be excluded. structural design will be in scope of contractor as per instruction of EIC. Basic Technical Specification: i) Material Thickness: Usually 0.05mm-0.82mm, ii) Weight (GSM): 700 – 1500g per square meter, iii) Temperature Resistance: -50 /+70 (Degree Celsius), iv) Tensile Strength (wrap/weft): 2400-4200 (4200/4000 N/5CM), v) Tear Strength (wrap/weft): 270-580N, vi) Fire Rating: B1/DIN 4102 (900g/sqm), vii) Adhesion: 140 (N/5 cm (EN ISO 2411), viii) Color Fastness: 7 (EN ISO 105-B02), ix) Wind Load: 169.2 km/h (47 m/s) (Indian Standard) x) Warranty- 10 years.	Smt	120.00
[C]	WATER SUPPLY AND DRAINAGE & MISC.		
	(1) WATER PIPE LINE		

Item No.	Item Description	Unit	Quantity
71	Providing, laying and jointing in true line and level 15 mm diameter UPVC pipe (SCH-40) for cold water including fittings make PRINCE / SUPREME / ASTRAL / FINOLEX or equivalent as approved by Engineer in charge. Pipe shall be fixed on the wall with the help of wall spacer clamp at 1 to 1.5 meter c/c or shall be cancelled as directed including necessary fittings, fastening, fixtures, excavation and back filling. The rates includes testing of pipe and jointing and fixing the same with adhesive solvent, including cost of all materials.	Rmt	95.00
72	Providing, laying and jointing in true line and level 25 mm diameter UPVC pipe (SCH-40) for cold water including fittings make PRINCE / SUPREME / ASTRAL / FINOLEX or equivalent as approved by Engineer in charge. Pipe shall be fixed on the wall with the help of wall spacer clamp at 1 to 1.5 meter c/c or shall be cancelled as directed including necessary fittings, fastening, fixtures, excavation and back filling. The rates includes testing of pipe and jointing and fixing the same with adhesive solvent, including cost of all materials.	Rmt	160.00
73	Providing, laying and jointing in true line and level 32 mm diameter UPVC pipe (SCH-40) for cold water including fittings make PRINCE / SUPREME / ASTRAL / FINOLEX or equivalent as approved by Engineer in charge. Pipe shall be fixed on the wall with the help of wall spacer clamp at 1 to 1.5 meter c/c or shall be cancelled as directed including necessary fittings, fastening, fixtures, excavation and back filling. The rates includes testing of pipe and jointing and fixing the same with adhesive solvent, including cost of all materials.	Rmt	20.00
74	Providing, laying and jointing in true line and level 40 mm diameter UPVC pipe (SCH-40) for cold water including fittings make PRINCE / SUPREME / ASTRAL / FINOLEX or equivalent as approved by Engineer in charge. Pipe shall be fixed on the wall with the help of wall spacer clamp at 1 to 1.5 meter c/c or shall be cancelled as directed including necessary fittings, fastening, fixtures, excavation and back filling. The rates includes testing of pipe and jointing and fixing the same with adhesive solvent, including cost of all materials.	Rmt	100.00
75	Providing, laying and jointing in true line and level 50 mm diameter UPVC pipe (SCH-40) for cold water including fittings make PRINCE / SUPREME / ASTRAL / FINOLEX or equivalent as approved by Engineer in charge. Pipe shall be fixed on the wall with the help of wall spacer clamp at 1 to 1.5 meter c/c or shall be cancelled as directed including necessary fittings, fastening, fixtures, excavation and back filling. The rates includes testing of pipe and jointing and fixing the same with adhesive solvent, including cost of all materials.	Rmt	30.00
	(2) FIXTURES		
76	Providing & fixing approved quality Gun metal check or non-return fullway Wheel Valve 15MM Dia.	Nos.	2.00
77	Providing & fixing approved quality Gun metal check or non-return fullway Wheel Valve 25MM Dia.	Nos.	8.00
78	Providing & fixing approved quality Gun metal check or non-return fullway Wheel Valve 40MM Dia.	Nos.	2.00
79	Providing and fixing approved quality PVC SWR Nahani trap IS 14735 for drain 100 mm diameter with jali with self cleaning design with CI screed down or hinged grating including the cost of cutting with additional aluminum perforated jali cover & Pipe outside the wall with plug, bend, and making good the walls etc. complete as directed by	Nos.	6.00
80	Providing and fixing approved quality PVC gully trap with C.I. Grating, brick masonry chamber and water tight C.I. cover with frame of 300 mm x 300 mm size (inside) with standard weight. (B) 150 mm x 100mm size P or R type.	Nos.	6.00
81	Providing & fixing approved quality Fiber Reinforced Polymer (FRP) 2.5 Tons or More Capacity Manhole Covers (24 Inch x 24 Inch x 1.2 inch) in Size with water tight Frame & fixing the same in concrete or Mortar etc. complete as directed by E.I.C.	Nos.	7.00

Item No.	Item Description	Unit	Quantity
82	Providing & fixing approved quality Fiber Reinforced Polymer(FRP) 2.5 Tons or More Capacity Manhole Covers (18 Inch x 24 Inch x 1.2 inch) in Size with water tight Frame & fixing the same in concrete or Mortar etc. complete as directed by E.I.C.	Nos.	3.00
83	Providing and fixing approved quality Screw Down Bib Tapes of Jaquar code no. OPP-15037PM or its equivalent brand having basic price of tap Rs. 2050 or more following size: (A) Brass screw down bib tap polished bright 15mm dia.	Nos.	10.00
84	Providing and fixing approved quality Screw Down Bib Tapes with nozzle of CERA code no. F-2014 153 or its equivalent brand having basic price of tap Rs. 1100 or more following size: (A) Brass screw down bib tap polished bright 15mm dia.	Nos.	2.00
85	Providing and fixing Stainless Steel Towel rack of 600mm long with 03 hooeks including fitting & fixing in position with required accessories, including transportation, tools tackles, fitting work and fixxures for the same etc complete. Catagory : Jaquar ACN-1181FHS or Kohler / Kerovit / reputed make having base price more than Rs. 3100.00.	Nos.	4.00
86	Providing and fixing approved quality Towel Ring complete with C.P. Brass brackets fixed to wooden plugs with C.P. Brass screws. Category- Jaquar CAN-1121N or Kohler / Kerovit / reputed make having base price more than Rs. 1350.00.	Nos.	3.00
87	Providing and fixing Swivel Mirror 630mm x 445mm of superior glass including fitting & fixing in position with required accessories, including transportation, tools tackles, fitting work and fixxures for the same etc complete. Catagory : Jaquar AKP-35795 or Kohler /Kerovit / reputed make having base price more than Rs. 3,650.00.	Nos.	3.00
88	Providing & Fixing 450X400mm size Stainless Steel approved brand Kitchen Sink incl. waste pipe, Fisher union & CR Bottle trap with Coupling etc. complete as directed by EIC.	Nos.	2.00
89	Providing and fixing Wash Basin with single hole pillar tap with tap with brackets painted while/colour including cutting holes and making good the hole including pillar tap, chromium plated bottle trap, stop cock, fisher union, Brass waste pipe etc complet. 560 X 415 X 200 MM. Half Pedestal Washbasin of Jaquar CNS-WHT-801 with fixing accessories BP Rs.4200 Pillar Cock Jaquar FLR-5015 with lift type knob and Base flange base prise Rs.1975.00 Waste Coupling 32mm size full threded Jaquar make ALD-705L130 BP Rs.625.00 Bottle Trap Jaquar make ALD-769L300x190 Wall connection pipe and Flange BP Rs.1950. Braided hose 450mm long with one M10X1 Nipple and 15mm Nuts, O ring and Rubber washer or products of Kohler /Kerovit/ reputed make having base price more than above mentioned Base price (BP) for each item.	Nos.	3.00
90	Providing and fixing Urinal with spreader hole and fixing accessories of size 355 X 340 X 535mm of jaquar - URS-WHT-13261H of Base prise Rs. 4100 including connection with trap and with integral longitudinal flush pipe concealed outlet. Urinal Valve with Auto Closing System with Built-in Control Cock & Wall Flange Jaquar - PRS-077 having BP Rs.2550. Urinal Spreader bowl Top Inlet 15mm with Fixing Stud Jaquar make ALD-1043 BP Rs. 550.00. Bottle Trap Jaquar make ALD-769L300x190mm Wall connection pipe and Flange BP Rs.1950 or products of Kohler /Kerovit / reputed make having base price more than above mentioned Base price (BP) including fitting & fixing in position with required accessories, including transportation, tools tackles, fitting work and fixxures for the same etc complete.	Nos.	2.00

Item No.	Item Description	Unit	Quantity
91	Providing and fixing Rimless Wall Hung WC with inbuilt jet, PP soft close slim seat cover, hinges, accessories set WALL HUNG Water Closet of size 355mm X 555mm X 370mm including jointing with soil waste pipe and with inlet connection for flush pipe with W.C. pan and flush cock of approved quality of 25mm dia etc. complete. Wall Hung WC of Jaquar make FLS-WHT-5953JPPSM of BP Rs.12,190.00 Regular Body of Concealed Stop Cock Suitable for 15 mm Pipe Line with Protection Cap Jaquar make ALD - 083 B.P. Rs.1175. Exposed part kit of Jaquar make OPP-15083KPM concealed stop cock with fitting sleeve, operating lever, adjustable wall flange with seal having BP Rs.675.00 Regular Body of Concealed Stop Cock Suitable for 25 mm Pipe Line with Protection Cap Jaquar make ALD - 081 B.P. Rs. 1850 or products of Kohler /Kerovit / reputed make having base price more than above mentioned Base price (BP) including fitting & fixing in position with required accessories, including transportation, tools tackles, fitting work and fixtures for the same etc complete.	Nos.	3.00
	(3) DRAINAGE AND RAIN WATER		
92	Providing & laying rigid 6 kg/cm ² PVC drainage pipe 90mm dia. including necessary fittings like bend, tee,Y bend plug etc. fixed with wall by means of wall spacer clamps & nails with water tight joints by approved solution etc. complete as directed by EIC.	Rmt	100.00
93	Providing & laying rigid 6 kg/cm ² PVC drainage pipe 110mm dia. including necessary fittings like bend, tee,Y bend plug etc. fixed with wall by means of wall spacer clamps & nails with water tight joints by approved solution etc. complete as directed by EIC.	Rmt	220.00
94	Providing & laying rigid 6 kg/cm ² PVC drainage pipe 75mm dia. including necessary fittings like bend, tee,Y bend plug etc. fixed with wall by means of wall spacer clamps & nails or fixing in flooring or in soil in slope, making water tight joints by approved solution etc. complete as directed by EIC.	Rmt	25.00
95	Providing & laying rigid 10 kg/cm ² PVC drainage pipe 110mm dia. including necessary fittings like bend, tee,Y bend plug etc. fixed with wall by means of wall spacer clamps & nails or fixing in flooring or in soil in slope, making water tight joints by approved solution etc. complete as directed by EIC.	Rmt	405.00
96	Providing & laying rigid 10 kg/cm ² PVC drainage pipe 160 mm dia. including necessary fittings like bend, tee,Y bend plug etc. fixed with wall by means of wall spacer clamps & nails or fixing in flooring or in soil in slope, making water tight joints by approved solution etc. complete as directed by EIC.	Rmt	30.00
97	Providing and laying (true level or slopes) and jointing reinforced concrete light duty, nonpressure pipes I.S. class NP/2 of the 150 mm internal diameter with collars and butt ends prepared for collar joints including testing of units complete. Note: 1. Testing certificate shall be submitted to EIC / testing shall be done in presence of EIC.	Rmt	586.00
98	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including necessary excavation & refilling the trenches, joining, the pipes with C.M. (1:1) & filling 150mm thick concrete (1:4:8) below joints, curing etc. completed as directed by E.I.C I.S. Class NP3 of internal diameter 300 mm. Note: 1. Testing certificate shall be submitted to EIC	Rmt	122.00
	(3) BORE AND WATER SUPPLY		

Item No.	Item Description	Unit	Quantity
99	Providing & fixing approved quality readymade 4 Layered (Thermal insulated) overhead P.V.C. water tight storage tank of 1000 liters capacity of make Supreme / Vectus / Ashirvad or its equivalent made from food grade plastic and water tank is certified with RoHS (Restriction of Hazardous Substances) and linear low density polythene & low density polythene LDPF product confirming to I.S.: 10146-1982 with cover including providing & fixing one 20mm dia, float valve ball-cock, one 20mm dia PVC over flow pipe of length up to 0.30 Mt. including making all connection for inlet/outlet etc. complete as directed by E.I.C.	Nos.	3.00
100	Drilling of 165 mm Dia. Bore Hole in overburden strata by DTH rig up to required depth including fixing of nominal dia. uPVC casing pipe & further drilling of 165 mm dia. bore hole in hard rock (trap etc.) strata by DTH drilling method including measuring the yield by V notch and flushing of bore etc. complete.	Rmt	225.00
101	Providing, fixing approved quality of HDPE pipe of ISI quality with all accessories fittings, jointing etc. suitable for submersible pump lowering in bore etc. complete as directed by EIC. - (A) 63mm dia.(outer)10kg/cm2.	Rmt	150.00
102	Providing & joining approved quality flat Copper cables sufficient for 3 HP pump set & Monoblock upto CR---1RX3CX10.0 mm2 flat cable.	Rmt	200.00
103	Supplying and lowering the approved ISI submersible pump for 3HP/28 stage in bore well etc. comp. as directed including ISI approved MEI type oil immersed auto transformer starter/switch board metal box I.S.I. with a main fuse connection ampere meter, volt meter and commissioning and testing to required delivery head (all other accessories will be paid separately.)	Nos.	1.00
104	Providing & fixing approved quality Single phase Monoblock / Self priming pump of ISI brand (2H.P) with all GI fitting for inlet & outlet connection including providing G.M. Wheel valve required electric fitting / switch board etc. complete.	Nos.	2.00
105	Supply, installation, testing & commissioning of Horizontal Mono Submersible Pump Set (Drain pump) as per IS: 14220 / 1994 & its latest amendments of following duty parameters with suitable submersible motor as per IS: 9283 / 1994 & its latest amendments working on 3 phase, 415 V $\pm$ 10%, 50 $\pm$ 3% Hz power supply, rated speed 2900 RPM of following duty capacity.	Nos.	3.00
106	Providing and fixing approved quality Control panel board of Metal box of 1.50m x 1.80m size with a main fuse connection ampere meter, volt meter 30 Amp. 1 phase switch single phase preventor cum water level guard and male and female type socket 1 phase indicator lamps and toggle switch etc. including all wiring/earthling completed as directed by E.I.C.	Nos.	1.00
107	Providing & fixing approved quality Top Cap for 200mm dia. Pipe clamps, socket & other accessories required for completing the job as directed by EIC.	Nos.	1.00
	(4) MISC.		
108	Providing B.B. Masonry inspection chamber for underground CI inspection chamber and bends with bricks heavy crushing strength not less than 35 kg/cm2 in CM (1:5), CI cover with frame (light duty) 455mm x 610 mm internal dimensions, total weight of cover with frame to be not less than 38 kgs (weight of cover 23 kg and weight of frame 15 kg). RCC top slab with 1:2:4 mix (1cement: 2Coarse sand : 4 graded stone aggregate 20 mm size). Foundation concrete 1:5:10, inside plaster 15 mm thick with cement mortar 1:3 finished smooth with floating coat of neat cement on walls and bed concrete etc. complete. Inside dimensions 455mm x 610 mm and 1000 mm deep.	Nos.	7.00

Item No.	Item Description	Unit	Quantity
109	Providing 2500 mm internal Diameter & 4.0 Mtr. Deep Soak Pit including excavation in all types of soil & soft rock & C.C. (1:4:8) bedding 300mm. thick below masonry and 450mm. thick Bella Masonry in C.M.(1:6) up to 600mm. height, 350mm. thick for further 600mm. and 230mm.thick for remaining height honey combed, plastering in C.M.(1:3) outside up to 1.5 Mt. height and 100mm. thick R.C.C. Slab with 600X600mm. C.I .HEAVY cover with frame, with necessary reinforcement as per design & C.I. Vent pipe 1800mm.long with Bella Masonry pillar 350X350X450 plastered all around filling 40 to 50mm. size brick bats up to 1.5 Mt. depth, including 16mm. dia. M.S.`U' stages steps refilling including disposal of the surplus excavated earth up to the lead of 300mt radius including 3 coats of white or colours wash to all exposed finished surface etc. complete as directed as directed by E.I.C.	Nos.	3.00
110	Drilling of bore holes 32 mm to 40 mm dia. By means of compressor machine having depth of hole up to 1.00 to 1.20 m as decided by Engineer - In- Charge and as per drawing in all sorts of hard rock etc. truly vertical to existing land with cleaning the same by air and grouting the bores holes 32mm to 40 mm dia. with depth from 1.00 to 1.20 m by means of approved Grouting Material or Alluminium Powder or ACC Shrink compound "N" Grout or equivalent any other bonding material as approved by competent authority in suitable content with mixing, ramming,curing etc., complete including with 20 mm Dia of MS Anchor Bar (Reinforcement) (The Rate includes the cost of MS Anchor Bar) as directed by Engineer in Charge.	Nos.	1180.00
111	Providing form work of Ply Wood Shuttering so as to give a smooth exposed finish including centering (adjustable tubular steel supports). Shuttering strutting and propping etc. for any height of propping and centering below supporting floor to ceiling , and removal of the same for reinforced concrete and plain concrete. for Footings, foundations and pedestal.	Smt	5437.00
[D]	YARD LELLING & METAL SPREADING & ROAD WORK		
112	Clearing and grubbing boundary of S/S land including uprooting rank vegetation grass bushes, shrubs, sapling and trees girth up to 300 mm removal of stumps of trees cut earlier and disposal of unserviceable materials up to any lead.The contractor has to dispose off the grass outside the premises of the GETCO.	Smt	28800.00
113	Box cutting the road surface to proper slope and camber for making a base for road work including removing the excavated stuff and depositing on the road side slope as directed upto 50 Mtr lead.	Cmt	1930.00
114	Providing and laying Granular sub-base in two layers by providing coarse graded material Grading- I using B.T.M.C. (Black Trap Machine Crushed) metal 53 mm to 26.5 mm at 35 % , crushed stone aggregate 26.5 mm to 4.75 mm at 45% and below 2.36 mm at 20%, having C.B.R. not less than 30%, as per table 402 of MORTH gradation including leveling the material at site of work, mixing and spreading into grade and camber, watering and consolidation at OMC with roller including cost of material, labour etc complete. GSB	Cmt	620.00
115	Providing, Laying, Spreading, and Compacting graded stone aggeregates to Wet Mix Macadam as per MORT & H Specification including premixing the material with Water at OMC in mechanical mix Plant, Carriage of mixed material by Tippers to site, Laying in uniform layers with paver or motor garded in subbase/ sub base course on well prepared surface and compacting with vibratory Roller to achieve the desired density Complete as per MORT & H Clause-406- WMM .	Cmt	620.00

Item No.	Item Description	Unit	Quantity
116	Providing and Laying Controlled cement concrete M20 for trimix RCC road to require line, level, slope including of (1) Providing 125 micron polythene sheet at base of concrete, (2) Mixing approved quality polyester fibre (12mm) @125 gm per bag or as per manufacturer's specification during concreting, (3) Shuttering form work of M.S. C Channel sections of required length & height as per drawing including connection, bracing pins or stake to require line, level, slope etc. (4) Concreting compaction with using needle Vibrator, Double beam screed vibrator, Dewatering/Vacuum pump and finishing the surface with Power Trowel Cum Floater including any low or high spots shall be made up by adding or removing concrete and refinished to required line level and slope. (5) Providing light brooming on the surface and edging carefully finished with an edger of 6 mm radius. (6) Providing construction joint using Concrete Groove Cutter machine of size 10 mm wide & 25 mm deep in transverse direction @ 4.5 M C/C and sealing with approved quality grade B bitumen sealant. (7) Providing Contraction (Dummy) joint using Concrete Groove Cutter machine of size 5 mm wide & 25 mm deep in Longitudinal direction and sealing with approved quality grade B bitumen sealant (8) Providing expansion joints of size 25 mm width and upto through depth of concrete using 25 mm thick Dura Board HD-100 of approved quality and sealing 25x20 MM top with approved quality bitumen sealant at 40 Meter C/C with 63 MM Dia P.V.C pipe cap filled with compressible material for dowel bar. (For 6m wide road longitudinally at the centre expansion joint to be provided). The Item rate is including with all necessary equipments, machinery, tools, tackles, Labours & Pond / Jute bag Curing etc. complete as per Drawing and as directed by E.I.C. (Minimum cement content for Concrete is 370 Kg/Cmt & Excluding the cost of reinforcement and Dowel bar.)	Cmt	684.00
117	Providing & Fixing Precast Road Concrete Kerb Stone of gray cement based concrete block 300(L) x 600(H) x 100(T) mm size of M20 grade concrete as per approved design (250mm inserted below FGL and 350mm above FGL) and including excavation for fixing in proper line and level, filling with the joint C:M 1:3 (1-Cement : 3-Fine Sand) and fixing in cement mix (1:4:8) bedding ,back filling, disposing of surplus earth including all labours, materials, tools and tackles etc. complete.	Rmt	1620.00
118	Road marking with Hot applied Thermoplastic Paints with Reflectorising glass beads on bitumin surface providing and laying a hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250gms per sqm area, thickness of 2.5mm is excluding of surface applied glass beds as per IRC:35-2015. The finished surface to be level, uniform and free from streaks and holes. zebra patta /bump patta lane/center line/ edge line/cut patta. The white color marking should provide liminance coefficinet on cemend road shalll be min 130 mcd/m2/lux and Asphalt road shall be min 100 mcd/m2/lux during the service life during the day time. The marking should meet the performance criteria for night time reflectivity, wet reflectivity and skid resistance as mentioned in the section-15 of IRC 35-2015. Warranty for the Retro reflectivity should be two years. Item Includes Cleaning of Road Surface.	Smt	150.00
119	Supplying and fixing Cat eye (Stimsonite) made out from Acrilobeautile sterine injuction high compressed molding with reflectormade of MMC (Prismatic type of size 12cm x 6cm x 2.5cm) provided with bituminous adhesive 100g. with each unit forfixing. (High Intensity grade) including Surface preparation, Drilling & Cleaning hole by vaccuming as directed by Engineer-in-charge.	Each	385.00
120	Supplying and spreading 'Round up' (Glyphosphate 41% SL) of approved IS standard make or equivalent weedicide for weed control in proportion of 100ml weedicide and 250gram ammonium sulphate mixing with sticking agent mixed with 10Ltr of clean water and spraying as per manufacturers specification and as directed by Engineer In Charge.	Cmt	12350.00
121	Providing and laying Cement slurry of mix 1:6 (1- Cement : 6 Sand) provided over the cement concrete layer for metal work with cement content not less than 150 Kg/ 100 Smt including of all materials, labour, spreading etc completed as directed by EIC.	Smt	12350.00

Item No.	Item Description	Unit	Quantity
122	Supplying & Stacking & Spreading 25 to 40mm size crushed metal including transportation, filing the box etc. complete as directed by EIC. (Measurement will be paid with 15% voids deductions)- For Yard Metal Spreading.	Cmt	1050.00
[E]	OIL TANK PIPE LINE & SUPPORTING ACCESSORIES		
123	Providing and laying ISI mark G.I. Pipe line with couplings of HEAVY DUTY class and 100 mm in Dia. including all taxes, insurance, transportation and lying/fitting excavation of required gradient, and also GI flange with nuts and supporting accessories etc complete including giving testing to EIC. (Rate inclusive of Material rate & Labour Rate. payment shall be done on running meter of pipeline)	Rmt	110.00
124	Providing & fixing C.I pipe spigot & socket soil waste, Air vent pipe of 100mm Dia. with filling joints etc completed as per EIC.	Rmt	10.00
125	Providing & fixing in position Vent Cowl to pipe of 100mm dia. etc completed as per EIC.	Nos.	5.00
126	Supplying & fixing of ISI mark CI D/F Sluice Valves, Butterfly Valves & Reflux Valves of 100 mm Diameter including all taxes, etc. complete. PN-1 with hand wheel /cap operated. (PD type short body) Reference	Nos.	3.00
127	Providing and laying ISI mark G.I. Pipe line with couplings of HEAVY DUTY class and 50 mm in Dia. including all taxes, insurance, transportation and lying/fitting excluding excavation of required gradient etc complete including giving testing to EIC. Water supply Board SOR (Rate inclusive of Material rate & Labor Rate)	Rmt	10.00
128	Providing & Fixing approved best quality I.S.S. approved heavy G.M. Wheel valve. (A) 50MM Dia.	Nos.	3.00
[F]	DEMOLITION ITEMS		
129	Demolition including stacking serviceable material and disposal of unserviceable materials with all lead and lift (i) RCC Work.	Cmt	5.00
130	Demolition of brickwork and stone masonry including stacking of serviceable materials and disposal of unserviceable materials with all lead lift. (ii) In cement mortar.	Cmt	5.00
131	Removing & Scraping of old deteriorated plaster of any thickness from wall/ R.C.C. member including stacking of servicable material and disposal of unservicable from site of work with all lead and lift.	Smt	2900.00