



Government of Nepal
Ministry of Infrastructure Development
Department of Urban Development & Building Construction (DUDBC)
Urban Resilience and Livability Improvement Project (URLIP)
Project Coordination Office
 Babarmahal, Kathmandu



BILL OF QUANTITIES

Item no.	Description of Works	Unit	Quantity	Unit Price (NRs.)	Unit Price In Words(NRs.)	Amount (NRs.)	Remarks
A	Provisional Sum						
1.1	Performance Security Bank Commission for Project Period Years + 1 Year DLP as per instruction of Engineer appointed by PIU which will be reimbursed as per actual	PS				1,880,000.00	
1.2	Provision made for payment to statutory authorities for repairing accidental damages or breakages to telecommunication, optical fiber, and communication utilities during construction. Reimbursable as per actuals	PS				500,000.00	
1.3	Provision for the supply, erection, and commissioning of 11 m long PSC poles, complete with all necessary accessories and insulators; installation of XLPE (covered) conductors, pin insulators, and associated line materials; and construction of a 4-wire 400V LV line on PSC poles. The scope includes the dismantling of existing utilities, Low Tension (LT), and High Tension (HT) wires. Existing poles that meet standard size and condition requirements shall be relocated and realigned at the proposed site. All remaining, unusable, or surplus dismantled materials shall be transported and handed over to the Nepal Electricity Authority's (NEA) designated storage facility	PS				40,000,000.00	
1.4	Provision of supplying, laying, leveling, jointing of water supply pipes and cutting existing water line dismantling and reinstatement of the line in initial state of pipes size by suitable material and sizes of pipes including dismantling, cleaning of the area, temporary closure, all new fittings (Tee, Elbow, Bends, Sockets, Nipples, Flange Sets, Unions and Valves etc., required pipe piece and other material as necessary for complete work as instructed by the Engineer with all cost of labour, materials, tools, equipment, all lead and lift.	PS				30,000,000.00	
1.5	Provide payment for easements on relocation of government properties such as boundary walls, Chautara and other government assets as per instruction of engineer	PS				5,000,000.00	
1.6	Provide and laying Metal Ramps, Bio-Toilets, Benches, etc all complete as per instruction of the Engineer	PS				3,000,000.00	
1.7	Implementation of additional occupational health and safety measures related to prevention of pandemics as per instruction of Engineer.	PS				500,000.00	
1.8	Diversion of stream, khola , irrigation canal ,water bodies,& dewatering works for entire project area and period	PS				1,000,000.00	
1.9	Road Safety awareness programme as per Traffic Management Plan in Television, papers and radio as instructed by the Engineer	PS				300,000.00	
1.1	Advertisement cost for public notification in Local Daily News paper, FM Radio and Television as per Traffic Management Plan and instructed by the Engineer	PS				200,000.00	
1.11	Awareness programme, International observation tours other institutional strengthening activities during contract period as per engineers approval	PS				3,000,000.00	
B	General Items						



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2.1	Provision of insurance policy strictly in accordance with the guidelines of Nepal Bima Samiti, comprising the following: Insurance of Works: Contractor's All Risk (CAR) Policy covering the total contract amount plus an additional 15%. Plants and Equipment: Coverage as per the invoice submitted by the contractor. Third Party Liability: Bodily injury/death up to NRs. 500,000 (limit of indemnity in respect of any one accident or series of accidents arising out of any one event, with an unlimited number of occurrences) and damage to property up to NRs. 3,000,000. Group Personnel Accidental Insurance: Covering Employees, Contractor's and Consultant's staff (40 Nos.) and Labors (150 Nos.), as per site requirements and the instruction of the Engineer. The coverage of all insurances must be valid from the commencement of works up to project completion, and shall continuously extend throughout the Defect Liability Period (DLP) until the final handover of the project.	Job	1.00				
2.2	Provide, setup, and maintain site laboratory facilities in a rented room for quality control of road and drainage construction works in accordance with DoR Specifications throughout the construction period (from commencement to completion). Scope includes office furniture, electronic equipment (computer and printer), required field testing apparatus for site testing, and services of a qualified Senior Lab Technician(as mentioned in Key personnel) with assistants. (Note: Main laboratory testing machines established under the P1 project of Tilottama Municipality shall be utilized). Payment will be made on a pro-rata basis as per the progress of the work.	Job	1.00				
2.3	Establishment of a fully functional labour camp (each room size of 10' x 12') in total 19 rooms as facilities for workers(labours) near the project site, including the provision of well-ventilated accommodation rooms with plinth levels elevated above water-logging limits, dedicated housekeeping services, a medical room, and separate toilet and bathroom facilities for ladies and gents. The scope also includes the implementation of heat stress management protocols, the provision of all necessary sanitation, water supply, and utilities, and the complete dismantling, clearing, and reinstatement of the area upon project completion, strictly adhering to the technical specifications and to the satisfaction of the Engineer.	Job	1.00				
2.4	Provision and establishment of a dedicated Site Office and accommodation facility for the Engineer in a rented house (minimum 5 rooms and meeting hall) near the site for the entire project duration. The facility must include secure parking, well-ventilated and air-conditioned rooms for both office and residential use, full utility provisions (uninterrupted electricity, water supply and internet facilities), and regular housekeeping services with a designated office attendant. The rate shall also include the continuous supply of all office consumables, stationery, kitchen supplies, and bathroom amenities throughout the project period, all in strict accordance with the technical specifications and to the complete satisfaction and approval of the Engineer.	Job	1.00				
2.5	Implementation of Occupational Health and Safety Measures (OHS) including Personal Protective Equipments (PPE) at Construction Sites, First aid box and fire extinguisher at camp sites as per instruction of Engineer (Campsite, Storage Site, and Construction Sites)	month	24.00				



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2.6	Execution of complete construction layout and joint surveys, including the submission of joint survey reports, and the development of all necessary construction and shop drawings throughout the project duration. The rate shall include the provision of all required survey equipment, manpower, and associated facilities, all to the satisfaction and final approval of the Engineer.	Job	1.00				
2.7	Dust suppression measures by Spraying Water (excluding watering for compaction) as per instruction of Engineer(3 times a day upto contact period excluding monsoon and planning period)	Trip	2160.00				
2.8	Provide, operate, and maintain one number of motorbike for the exclusive use of the Engineer's supervision team including fuel, safety helmets and necessary accessories, insurance, routine maintenance, and all applicable government taxes and duties as per specification	Month	24.00				
2.9	Provide, operate, and maintain one dedicated supervision four wheeler vehicle(4WD)with driver for the exclusive use of the Engineer's supervision team including rental fee,fuel, insurance, routine maintenance and all applicable government taxes and duties as specified in Specification to the satisfaction and approval of the Engineer.	Month	24.00				
2.10	Ambient Air Quality Monitoring-2 Sample at Road+ Control Sample Outside at each of the construction site+1 Sample at Park Area-Quarterly	Nos	42.00				
2.11	Surface water Quality Analysis-2 Sample at road construction site-Quarterly	Nos	12.00				
2.12	Ground Water Quality Analysis-1 Sample at near a Surface water Body at the construction camp site and 1 at Gongoliya Park-in quaterly basis	Nos	12.00				
2.13	Environmental Noise Monitoring-1 Sample at Solid Waste Disposal Facility at Campsite and Storage Facility + Control Sample Outside of the SWD+ 1 Sample at Gongoliya Park in quaterly basis	Nos	42.00				
2.14	Soil Quality Assessmnet-1Sample at Solid Waste Disposal Facility, Campsite and Storage Facility + Control Sample Outside Campsite in quaterly basis	Nos	42.00				
2.15	Provide quality control, documentation, reporting services, test reports, material certificates, site records including daily log books and monthly progress reports,colour photographs, all meeting specification requirements required to maintain the quality of work (3 copies)	Month	24.00				
2.16	Supply and delivery of Laptop Computer with dedicated numerical pad, Intel Core i7 13th Generation or higher (or equivalent), minimum 16 GB RAM, 1 TB SSD, and all necessary accessories as per specification	Nos.	1.00				
2.17	Printing brochures in Nepali for public information as per Traffic Management Plan and instructed by the Engineer (paper size A4) and distributing to the people.	Nos	1000.00				
2.18	Supply and provide temporary placement of Standard Traffic Cones with necessary ropes/ribbon for repetitive use within the site including multiple handling and transportation and standard Traffic Control Device for repetitive use within the site including handling and transportation during construction period from one stretches/gang to another for total mentioned gang by maintaining spacing of barriers not more than 1.5m c/c. The rate includes relocating and reusing above mentioned facilities at any location within the project area.						
2.19	Standard Traffic Cones with necessary ropes/ribbon and Traffic Barricades (1.00 m height) fabricated with MS pipes of 50mm with necessary traffic sign in both ends	Nos	80.00				



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2.20	Use of 6 numbers of Standard LED Traffic Control Batons, 4 numbers of Standard Reflective Traffic Regulatory sign Such as "STOP & GO" and "KEEP RIGHT/LEFT" and Standard reflective traffic warning sign Such as "DIVERSION AHEAD", "SHARP BEND" and other Sign as required, 6 numbers along working stretches per gang during construction.	set	60.00				
2.21	Supply, Provide and installation of road stud 100 x 100 mm, die-cast in aluminum, resistant to corrosive effect of salt and grit, fitted with lenses reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all complete as per Specifications, drawings and instruction by the Engineer	nos	3535.00				
2.22	Supply, Provide and installation of Rumble strips, 15-20 mm high at center, 250 mm wide placed at 1 m center to center at approved locations to control speed, marked with strips of road marking paint all complete as per Specifications, drawings and instruction by the Engineer	m	560.00				
2.23	Supply, Provide and installation of 150 mm x 150 mm, 1.5 m long delineators (road way indicators, hazard markers, object markers), 80-100 cm high above ground level, painted black and white in 20 cm wide strips, buried or pressed into the ground all complete as per Specifications, drawings and instruction by the Engineer	nos.	1200.00				
2.24	Provide and installation of project information board having details of contract in the format and wording as directed by the Engineer of size 1.80 m x 1.2 m along with iron posts including excavation, concreting, backfilling, etc all complete	Nos	3.00				
2.25	Preparation and submission of as-built drawing showing newly laid road, drainage, existing utilities (electrical, telecommunication, water and sewer lines) in a format suitable for transferring to GIS database at the completion of each section as per specification and as per instruction of engineer (2 Copies).	Set	1.00				
2.26	Providing and deploying required manpowers for diverting and controlling traffic (1 md = 8 working hours)	md	2000.00				
2.27	Restoration of ancillary sites including stockpile sites, borrow areas, workforce camp, as per instruction of the Engineer (Including campsites)	Job	1.00				
2.28	Carryout maintenance of the existing road to keep the road serviceable throughout the contract period as per specification and instruction of the Engineer	Km-Month	161.44				
2.29	Provision for carrying out professional drone videography and high-resolution aerial photography of the project site, to be executed in two distinct phases: immediately prior to the commencement of construction activities, and upon full completion of the works prior to final handover. The item rate shall cover all costs associated with equipment and personnel mobilization, securing any mandatory local flight permits, and conducting flight operations to capture minimum 4K resolution video and high-resolution photographs. Additionally, the rate is inclusive of basic media editing and the final submission of all raw and processed digital files on a portable storage device, strictly in accordance with the requirements and as directed by the Engineer	Job	2.00				
2.30	Provide and Supply canopy type Mobile Diesel Generator Set(10 kVA), necessary accessories (lamps, lamp stands, cables, fuel, lubricant, etc.) and other associated manpower for construction during night time/night shift (each night shift comprises 8 hours of working) for illumination of working gang and surrounding area. The rate shall include supply, operation and maintenance of the generator set, all lighting arrangements, associated manpower including cost of manpower for executing civil work at Night. (If the night shift is less than 8 hours of working period, then the payment will be made on prorata basis.) whenever required throughout the project duration	days	100.00				



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C	Civil Works						
	SITE CLEARANCE AND LAYOUT						
3.10	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable Material to be used or auctioned, up to a lead of 30 meters including removal and disposal of top organic soil not exceeding 150 mm in thickness. By Mechanical Means.	Sq.m	54849.86				
3.20	Dredging work : Bed leveling and profiling of the underwater bed to the specified design levels using suitable equipment (Dredger, Bed Leveler, or Drag Bar) by shifting/redistributing in-situ material without disposal or removal from the site, inclusive of pre & post hydrographic surveys, equipment mobilization, labor, and tools as per specifications	Cu.m	4380.00				
3.30	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable material with all lifts and lead of 1000 meters. ix. Removing all type of Hume Pipes and Stacking within a lead of 50 metres including Earthwork and Dismantling of Masonry Works. [above 600 mm to 900 mm Dia.]	Cu.m	102.50				
3.40	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable Material with all lifts and lead of 1000 meters. Brick Masonry, Stone Masonry, Wing Walls all complete [Mechanical Means].	Cu.m	882.77				
3.50	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable material with all lifts and lead of 1000 meters. C. Pre-stressed / Reinforced cement concrete grade M-20 & above [Mechanical Means] all complete as per specification (SS-2.4) and instruction of Engineer .	Sq.m	55.29				
D	EARTHWORKS						
4.10	Excavation for Structures Foundation: Earth work in excavation of foundation of structures, including construction of shoring and bracing, removal of stumps and other deleterious matter, dewatering and backfilling with approved Material as per Drawing and Technical Specifications. Ordinary soil Mechanical Means (i) Depth upto 3 m	Cu.m	21321.51				
4.20	Road Way Excavation in all type of soil (Soft soil, Hard Soil, BMS, Soft Rock, Hard Rock all) including disposal at specified tipping area of necessary haulage, disposal and lift all complete, as per specification (SS-9.1), drawings and instruction of Engineer .	Cu.m	14467.25				
4.30	Formation of Embankment including, providing of roadway cutting materials for embankment construction, compaction in layers. Compacted depth, watering and haulage, etc. all complete, as per specification , drawings and instruction of Engineer.	Cu.m	5730.28				



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E	FILLING WORKS						
5.10	Backfilling to Retaining structures, foundation pits etc. from excavated materials including watering, compaction and density test all complete as per specification (SS-9.11), drawings and instruction of Engineer .	Cu.m	13863.94				
5.20	Back fill with graded filter materials in layer with necessary watering and compaction, lead 30m, lift 1.5m all complete as per specification (SS-9.12), drawings and instruction of Engineer .	Cu.m	158.64				
5.30	BRICK BAT FILLING Filling of trenches with brick bats of size 15–150 mm, including supplying, placing, spreading, and compacting the brick bats in layers as specified, complete in all respects.	Cu.m	3.09				
5.40	SAND FILLING: Supplying and filling sand in floor by sprinkling of water and compaction by labour including lead from 30 m distance as per drawing specification and instruction of the Engineer all complete.	Cu.m	3.48				
5.50	HARDCORE FILLING: Hardcore Filling (Gravel-sand mixture packing works 40% sand and 60%gravel) in perfect line and level, compaction as per drawing, specification and approval of engineer all complete.	Cu.m	11.73				
F	Soiling Works						
6.10	BRICK SOLING:Providing and laying flat dry bricks soling all complete as per specification, drawings and instruction of Engineer .	Sq.m	17810.45				
6.20	BOULDER SOLING: Providing and laying of Stone Soling /Pitching /Packing Works for levelling in line and level, all complete, as per specification, drawings and instruction of Engineer .	Cu.m	1395.62				
G	MICRON POLYTHENE SHEET						
7.10	500 MICRON POLYTHENE SHEET: Supplying and laying 500 micron tear proof good quality polythene above the compacted brick soling. The overlapping of the sheet must be more than 230mm in all side to prevent moisture through it. The cost should be inclusive of all material and labour cost, as per design drawing, specification and instruction of the Engineer, all complete	Sq.m	123.14				



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H	ANTI-TERMITE TREATMENT WORKS						
8.10	Providing and injecting the pre construction anti termite treatment using Environmental friendly chemical i.e (Premise 30.5% SC,Concentration: 0.07 %) spray rate 7 lit per sq. m in different stages to create a complete termite chemical barrier to the building at foundation, around the footings, column pits, trenches, wall trenches, inside floor back fill, plinth level, junction of wall and floor, retaining walls of basement floor, external perimeter of building, surrounding the pipes,. Confirming to IS 6313 or equivalent BIS specifications.	sqm	353.52				
I	Masonry Works						
9.10	BRICK MASONRY WORKS(1:6 above GF):Providing and laying Brick masonry work in Foundation/ structure complete excluding pointing and plastering, as per drawing and Technical Specifications. Cement Mortar 1:6 (1 cement : 6 sand)	Cu.m	533.37				
9.20	FAIRFACE BRICKWORK: Providing & laying fairface brick masonry using first class chimney made bricks with 1:4 cement sand mortar including scaffolding, curing, cleaning, and racking out mortar joints & making ducts, recesses where required as per drawing, specification & approval of Engineer	Cu.m	12.68				
9.30	STONE MASONRY WORKS:Providing and laying Random Rubble Stone Masonry in machine mixed cement sand mortar (1:4) including scaffolding, curing, preparation of mortar etc., pointing and installation of required weep hole of HDPE 110 mm dia 6 kg/sqm pressure all complete as per specification (SS-26), drawings and instruction of Engineer	Cu.m	1103.37				
9.40	Providing and laying Random Rubble Stone Masonry in machine mixed cement sand mortar (1:6) including scaffolding, curing, preparation of mortar etc., pointing and installation of required weep hole of HDPE 110 mm dia 6 kg/sqm pressure all complete as per specification (SS-26), drawings and instruction of Engineer .	Cu.m	5747.27				
J	CONCRETE WORK						
10.10	P.C.C (1:3:6) Works: Providing and laying machine mixed Plain Cement Concrete of nominal mix 1:3:6 (1 cement : 3 sand : 6 coarse aggregate) for leveling course in foundations and under floor of building, etc. in all level with broken stone aggregate of size not more than 25 mm of approved quality including dewatering, batching, mixing, transporting, placing, compacting, curing, including all lead and lift, etc. all complete as per drawings, specifications and the instructions of the Engineer.	Cu.m	172.08				
10.20	P.C.C (1:2:4) Works:Providing and laying of Plain/ Reinforced cement concrete (M15/40) including compaction, curing, testing and lead 30 m etc. all complete as per specification (SS-20.2), drawings and instruction of Engineer .	Cu.m	3801.97				
10.30	P.C.C. FOR R.C.C.(1:1.5:3)WORKS: Providing and placing machine mixed Cement Concrete (M 20/20) for the foundation, super structure, deck slab, girder etc including compaction, curing, testing all complete, as per specification (SS-20.2), drawings and instruction of Engineer .	Cu.m	7116.26				
10.40	P.C.C. FOR R.C.C. (1:1:2) WORKS: Providing and placing machine mixed Cement Concrete (M 25/20) for the foundation, super structure, deck slab, girder etc including compaction, curing, testing all complete, as per specification (SS-20.2), drawings and instruction of Engineer .	Cu.m	720.15				
K	FORM WORKS						
11.10	FORM WORKS: Providing, preparing and installing Formwork (All Classes) for concrete works including necessary supports, scaffolding and removing after completion all complete as per specification (SS-18.2), drawings and instruction of Engineer .	Sq.m	62484.60				



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L	Reinforcement Works						
12.10	STEEL REINFORCEMENT: Providing and laying, fitting and placing HYSD bar reinforcement in super-structure all complete as per technical specifications (SS-20.9), drawings and instruction of Engineer .	Kg	494188.29				
M	FLOORING AND FINISHING WORK						
13.10	38mm thick P.C.C. in (1:2:4) with cement punning (1:1) for flooring work with water proofing materials with approved quality cement, sand & aggregare 12mm and down grade including mixing,laying curing all complete work as per specification	Sq.m	153.20				
13.20	Providing and laying 6mm.th.porcelain glazed tiles on walls and floor of approved colored laid with cement sand mortar (1:4) finished with white cement including polishing all complete as per specification and instruction of site Engineer.	Sq.m	44.64				
13.30	Vitrified Tile Finish: Mat virtified 600X600 mm homogenous tile over screed bed with 4mm open joint including 1:4 CSM based plaster and green mortar filling joint with special tile grout on floor and skirting of approved colour and brand as per specification and instruction of engineer.	sqm	84.00				
13.40	15.4 Telia Tile finish Machinemadebrick Telia tile (20-25 mmthick) on roof terrace (floor andwall skirting) having gap 10 mm between two ileincluding 12mm thick 1:2 Cement sand mortarbed with properlineand levelincluding the joint filer on floors, fittings and grouting of joints with red oxide as per drawing, Specification andEngineer's approval.	Sq.m	75.39				
13.50	Supply and Laying of Rectangular Interlock Pavers Blended Color with compressive strength M35 or above (NS Standard or equivalent). Thickness: 60mm, Dimension:200*100*60 all complete as per specification, drawing and instruction of Engineer .	Sq.m	16914.23				
13.60	Providing and laying brick on edge soling pavement with first-class burnt clay bricks (230 × 110 mm) on sand bedding including joint filling with sand, compaction, and finishing complete as per specification and direction of the Engineer.	Sq.m	3143.40				
13.70	15.6 Supply and Laying of Matrix slab/tiles single color with compressive strength of M35 or above (NS Standard or equivalent) (Specification thickness 40mm, Dimension 400*400*40, Tolerance/others ± 1mm variance in thickness, Proper interlock grooves & Pigment color,Water absorption <6%) all complete as per specification, drawing and instruction of Engineer .	Sq.m	5381.19				



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13.80	WOOD PLASTIC COMPOSITE(WPC) FLOORING: Providing and laying Wood Plastic Composite (WPC) flooring of approved quality, colour and pattern over prepared surface/framework, including all necessary joists/battens, stainless steel clips, screws, edge trims, accessories, cutting, fitting, finishing, and all labour, materials, tools, transportation, and incidentals complete as per drawings and Engineer's instructions.	sqm	3323.61				
13.90	Providing and laying a 40 mm thick gravel pavement for site development works using approved quality graded gravel aggregate over a prepared and compacted base surface, including the supply of all materials, spreading, leveling, watering, compaction, dressing to the required line, level, and camber/slope, along with all necessary labor, tools, equipment, transportation, and incidental works completed in strict accordance with the drawings, technical specifications, and to the complete satisfaction of the Engineer	cum	316.90				
N	PLASTERING WORKS						
14.10	20 mm. Th. Cement sand plaster (1:4)work on building inner surfaces of good finish in perfect line level and plumb including grooving in plaster wherever shown in drawings including chiselling racking the joints, wetting the surface and curing the work all complete as per specification an.d construction of the consultant/engineer all complete.	Sq.m	170.26				
14.20	12.5mm. Th. Cement sand plaster (1:4)work on building outer surfaces of good finish in perfect line level and plumb including grooving in plaster wherever shown in drawings including chiselling racking the joints, wetting the surface and curing the work all complete as per specification an.d construction of the consultant/engineer all complete.	Sq.m	2169.79				
14.30	Providing and laying 12.5 mm thick cement plaster on ceiling surface, shear wall with 1:3 cement sand mortar in perfect line and level including scaffolding, curing etc. all complete as per drawing, specification & instruction.	Sq.m	80.24				
O	CEMENT BOARD WORK						
15.10	Supplying, fabrication,fixingof cement board in positionfor internaland external made with 10mm thick cement board fixed to C-stud fixed to U-track with spacing 300mm c/c of horizontalframe, including sealing joints with fiber tapes and joint sealing compound, filling screw heads as per manufactoryer's installationguidelines, sealing perimeter gaps with silicon sealant etc. all complete.	Sq.m	245.22				
15.20	Supplying, fabrication,fixingof cement board in positionfor internaland external made with 12mm thick cement board fixed to C-stud fixed to U-track with spacing 300mm c/c of horizontalframe, including sealing joints with fiber tapes and joint sealing compound, filling screw heads as per manufactoryer's installationguidelines, sealing perimeter gaps with silicon sealant etc. all complete.	Sq.m	80.88				
P	FALSE CEILING WORKS						
16.10	Providing and fixing 12.5 mm thick gypsum plasterboard false ceiling on a suspended galvanized steel framework comprising perimeter channels, intermediate channels, ceiling sections, and hangers, fixed as per manufacturer's specifications. The work shall include cutting, fixing with drywall screws, joint treatment using jointing compound and paper tape, finishing ready to receive paint, including all accessories, supports, scaffolding, labour, tools, and materials, complete in all respects.	Sq.m	21.75				



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16.20	75 mm thick puff panel:Providing, supplying, and installing 75 mm thick PUF (Polyurethane Foam) insulated sandwich roof panels with pre-painted galvanized steel sheets on both sides, including all necessary fasteners, self-drilling screws, flashing, ridge and edge trims, sealants, accessories, cutting, lifting, and fixing complete in accordance with the drawings, manufacturer's specifications, and the Engineer's instructions.	Sq.m	133.28				
Q	DOOR AND WINDOWS Works						
17.10	UPVC DOOR AND WINDOWS:Supplying and installation of UPVC Profile; Casement window frame 60*60mm: sash 60*78mm, white colour with reinforcement, 5mm thick clear float glass, insect net, patented standard hardware like: rollers, gaskets, brush seal,moon locks,push locks, drainage cover, etc. UPVC casement Window	Sq.m	5.76				
17.20	Supplying and installation of UPVC Profile; Sliding window frame 50*80mm; sash 58*36mm, white colour with reinforcement, 5mm thick clear float glass, insect net, patented standard hardware like: rollers, gaskets, brush seal,moon locks,push locks, drainage cover, etc. UPVC sliding window with net	Sq.m	16.70				
17.30	Supplying and installation of UPVC Profile; Casement Door frame 60*60; sash 60*104mm whitecolour with reinforcement, 5mm thick clear float glass,insect net, patented standard hardware like: gaskets, brush seal, moon locks, push locks, drainage cover, etc. UPVC single door	Sq.m	19.95				
17.40	Aluminum Door & Window Works:Doors -Single/Double panel Swing/Sliding/Casement Section size (102*45*1.5mm) fitted with 5mm clear glass or 9mm thick laminated board or ACP board all complete.	Sq.m	1.98				
17.50	20.2.2 Providing and fixing Double glazed 2 or 3 panel Sliding Window of aluminum section in naturally anodized/powder coated color. Section size (87*56*1.2mm) fitted with 5mm clear glass with fly mesh shutter all complete.	Sq.m	2.16				
17.60	4 mm thick ACP Works:Providing and fixing 4 mm thick Aluminium Composite Panel (ACP) partition over approved-quality aluminium framing, including cutting, fixing, jointing, necessary accessories, fasteners, sealants, trims, finishing, and all necessary labour and materials, complete as per drawings, specifications and instructions of the Engineer.	Sq.m	64.26				



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R	PAINT WORKS						
18.10	WALL PUTTY:Supplying and Applying 2 coats of wall putty on wall and ceiling surfaces after rendering the surface as per specification and instruction all complete as per drawing, specification and instruction of the Engineer, all complete.	Sq.m	24.58				
18.20	INTERIOR EMULSION PAINT:Painting on Interior Wall surface with two coats of plastic emulsion paint(Must be ISO 9001 : 2000 certified company) of approved color and shade over one coat of primer to give uniform coloring and quality floss finish after proper surface preparation, all complete as per drawing, specification and instruction of the Engineer, all complete.	Sq.m	379.28				
18.30	EXTERIOR WEATHER PAINT:Painting on Exterior Wall surface with two coats of weather coat (Must be ISO 9001 : 2000 certified company) of approved color and shade over one coat of primer to give uniform coloring and quality floss finish after proper surface preparation, all complete as per drawing, specification and instruction of the Engineer, all complete.	Sq.m	2004.29				
18.40	Varnish Paint:Providing and applying two or more coats of commercial varnish painting over properly cleaned surface all complete as per drawing, specification and instructions.	Sq.m	9.00				
18.50	ENAMEL PAINT:Providing and applying two coats of Synthetic Enamel Paint including one coat of primer to give an even and uniform shade as per specification, drawing and instructions of Engineer.	Sq.m	6639.52				
18.60	Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface On smooth surface (similar to Asphalt concrete and rigid pavement) Providing and laying of hot applied thermoplastic compound at least 2mm thick including reflectorizing glass beads as per DOR Traffic sign manual/ Specifications .The finished surface to be level, uniform and free from streaks and holes.	Sq.m	2413.89				
18.70	Providing and fixing of retro-reflectorized warning, Regulatory and informatory sign made of high intensity grade sheeting, fixed over aluminium sheeting, 1.5 mm thick supported on a 50 mm internal dia. steel tube or mild steel angle iron post 75 mm x 40 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M 10/40 grade cement concrete 30 cm x 30 cm, 30 cm below ground level, all complete as per specification (SS 15.2), drawings and instruction of Engineer . a) 60 cm dia circular, 60 cm equilateral triangle and 60 cm X 45 cm rectangular shaped sign (single post)	nos	41.00				



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S	WATER PROOFING TREATMENT						
19.10	Supplying and Applying Polythene Polypropylene Polymer compound Waterproof Membrane in walls and floors all complete as per specification and instruction of the engineer.	Sq.m	150.61				
T	Truss Works						
20.10	Supplying fitting and fixing MS circular/square pipe (medium size), MS grills with necessary base plates along with primer paint all complete as per drawing specification and instruction of site engineer	Kg	93943.13				
20.20	Providing and installing 5 mm thick MS plate of size 300 × 300 mm, including cutting, drilling, welding/bolting, surface preparation, primer/painting and all necessary materials, labour and accessories, complete as per drawings, specifications and Engineer's instructions.	Kg	6.36				
20.30	Providing and fixing 16 mm dia anchor bolts of approved quality, complete with nuts, washers, drilling, grouting/fixing, alignment, and all necessary accessories, complete as per drawings and Engineer's instructions.	Nos.	160.00				
U	Railing Works						
21.10	Fitting and fixing of staircase railing work with 50mm stainless steel pipe hand railing with 50mm stainless steel pipe vertical post at 2m spacing and three 25mm stainless steel pipe between hand rail and ground on height 900 to 1000 mm including all necessary stainless steel plates and anchor bolts as per design drawing & specification & instruction of engineer.	Rm	1090.12				
21.20	Providing 75mm GI pipe for hand railing on specified heights as per design drawing & specification & instruction of Engineer.	Rm	2742.00				
V	STEEL WORKS						
22.10	Supply, fabrication and installation of stainless steel works comprising SS pipe columns, vertical posts, handrails, SS base plates, connectors, brackets, welding, grinding, polishing, fixing accessories, and all necessary materials and workmanship complete in accordance with approved drawings, specifications, and the direction of the Engineer.	kg	9997.82				
22.20	Supply, fabrication and installation of galvanised steel pipe frame including cutting, fitting, alignment, 8 mm thick triangular stiffeners, fillet welding, grinding, erection in position, and all necessary accessories, consumables and workmanship complete as per approved drawings and direction of the Engineer.	kg	5197.94				
22.30	Supply and installation of 12 mm diameter blind bolts for anchoring columns and railing bases, including all necessary drilling, hole preparation, tightening, alignment, and secure fixing, all complete as per drawings, specifications and instructions as well as satisfaction to the Engineer.	nos	24695.70				
W	ROOFING WORKS						
23.10	0.5 mm CGI sheet roofing with proper shape & size, all necessary nails, screws, bolts, nuts washers, J or L hooks etc as per drawing & instruction all complete.	sqm	62.68				
23.20	0.5 mm Plain GI sheet on ridge (2 ft Wide) roofing with proper shape & size, all necessary nails, screws, bolts, nuts washers, J or L hooks etc. as per drawing & instruction all complete.	R.m.	12.13				
23.30	Providing and fixing thatched roofing using bamboo framework and khar (thatch), including bamboo rafters, battens, tying with rope, laying and securing khar/thatch in required layers, cutting, fitting and all necessary materials, labour and accessories, complete in all respects as per drawings and Engineer's instructions.	sqm	58.33				
23.40	Supplying and fixing of Roofing of 3 mm polycarbonate sheets all complete as per drawing, specification and approval of engineer.	Sq.m	180.16				



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23.50	Providing and fixing GI chicken wire mesh roofing, including approved quality galvanized iron wire mesh, cutting, shaping, overlapping, tying/fixing with GI wire, necessary supports, fasteners, and all associated works, complete as per drawings, specifications, and instructions of the Engineer.	sqm	312.00				
X	SALWOOD WORKS						
24.10	Providing, supplying, dressing, cutting, shaping, seasoning, preservative treatment, and fixing of first-class Salwood works of required sizes and profiles, including all necessary joinery, nails, screws, fittings, and accessories, complete as per drawings, specifications, and instructions of the Engineer At Roofing Works, Direction and Information Board, Benches,etc	Cu.m	7.77				
Y	GABION WORK						
25.10	Providing, assembling and laying mechanically woven heavily zinc coated, double twisted 100 mm X 120 mm hexagonal mesh type gabion structure (mesh wire 3 mm, selvaige wire 3.9 mm, lacing wire 2.4 mm) for retaining earth including stretching; forming compartments; tying the sides and diaphragms with binding wire in each mesh; tying with bracing wires and tie wires; filling stone/boulder in gabion boxes/mattress including dressing, bedding, bonding and tying down the lid all complete as per specifications (SS-24), drawings and instruction of Engineer	Cu.m	187.50				
Z	SWGGI Chain Link						
26.10	S.W.G.G.I chain link 2"*2" mesh size 10 guage:Providing, fabricating and installing galvanized chain link fencing comprising ISNB 75M steel tube posts at 3.0 m c/c spacing, SHS 50×50×3.2 mm steel tube frame, SHS 50×50×3.2 mm column-to-frame anchors, 40×40×5 mm MS angle frame, 50×50 mm mesh galvanized chain link fabric of 4 mm wire diameter, and 3×20 mm MS flat plate grill, including excavation, concrete foundations, welding, anchor bolts, fittings, fasteners, cutting, painting/galvanizing touch-up, erection, and all necessary materials, labor, tools, and accessories complete in accordance with the drawings, specifications, and the Engineer's instructions	sqm	1185.00				
AA	Providing, transporting, and planting trees of specified species, types, and heights, including excavation of planting pits of required size, backfilling with approved topsoil mixed with farmyard manure and fertilizers, watering, staking and tying with suitable supports, mulching, tree guards where specified, replacement of dead or defective trees, maintenance during the establishment period, and all labour, materials, tools, equipment, transportation, and incidentals, complete in accordance with the drawings, specifications, and the Engineer's instructions						
	TREE						
27.10	Roystonea Regia, minimum height 2.0m	nos.	20.00				
27.20	Anthocephalus Chibebsis Walp, Min. Height-1.5m	nos.	15.00				
27.30	Ficus Religiosa, Min. Height-1.5m	nos.	15.00				
27.40	Mangifera Indica, Min. Height-1.5m	nos.	20.00				
27.50	Albizia Julibrissin, Min. Height-1.5m	nos.	20.00				
27.60	Peltophorum Pterocarpum, Min. Height-1.5m	nos.	10.00				
27.70	Azadirachta Indica, Min. Height-1.5m	nos.	12.00				
27.80	Dalbergia Sissoo, Min. Height-1.5m	nos.	15.00				
27.90	Cassia Fistula, Min. Height-1.5m	nos.	20.00				
28.00	Plumeria ObtusaMin. Height-1.5m	nos.	12.00				
28.10	Plumeria Rubra, Min. Height-1.5m	nos.	15.00				
28.20	Saraca Asoca, Min. Height-1.5m	nos.	40.00				
	SHRUB						
28.21	Hlibiscus Rosa- Sinensis, Minimum Height 1.0	nos.	40.00				



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28.22	Bougainvillea spectabilis, Minimum Height 1.0	nos.	60.00				
28.23	Allamanda Cathartica, Minimum Height 1.0	nos.	140.00				
28.24	Nerium Oleander, Minimum Height 0.7m	nos.	300.00				
28.25	Aucuba japonica, Minimum Height 0.5	nos.	500.00				
28.26	Allamanda Violaacea, Minimum Height 0.5	nos.	200.00				
28.27	Jasminum laurifolium, Minimum Height 0.3	nos.	100.00				
	GROUND COVER						
28.28	Aloe Nyerensis	nos.	340.00				
28.29	Alpinia Purpurata	nos.	520.00				
28.30	Canna Dwarf	nos.	200.00				
28.31	Clivia Miniata	nos.	100.00				
28.32	Hydrangea macrophylla	nos.	300.00				
28.33	Spathiphyllum Clevelandii	nos.	340.00				
28.34	Heimerocallis Yellow	nos.	540.00				
28.35	Nelumbo nucifera	nos.	450.00				
28.36	Iris Orientalis	nos.	250.00				
28.37	Begonia Semperflorens	nos.	470.00				
28.38	Phragmites australis	nos.	300.00				
28.39	Eichhomia crassipes	nos.	1040.00				
28.40	GRASS TURFING: Providing and laying approved quality natural grass turf over prepared ground, including surface dressing, topsoil preparation, leveling, watering, rolling, trimming, and all labour, materials, tools, and incidentals complete as per the drawings and the Engineer's instructions.	Sq.m	23756.94				
AB	Road PAVEMENT						
27.10	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified Material with in all lifts and lead as per Drawing and Technical Specifications (SS-10.2).	sqm	28881.50				
27.20	Subgrade: Compacting original ground supporting sub-grade; Loosening of the ground upto a level of 500 mm below the sub-grade level, watered, graded and compacted in layers as per Drawing and Technical Specifications (SS-10.4)	cum	10217.62				
27.30	Subbase: Providing, laying, spreading, levelling and compaction of granular sub-base on prepared surface, mixing at OMC, and compacting to achieve the desired density, all complete as per drawings and Technical specifications (SS-12.1).	cum	12691.02				
27.40	Base: Providing and laying Crusher Run Macadam on a prepared surface, spreading and mixing, watering and compacting to form a layer of Base Course as per Drawing and Technical Specifications (SS-12.7). [Mix in place method. 45 mm down]	cum	7663.21				
27.50	Providing and spraying bituminous Prime Coat MC30/MC70 including cleaning the road surface using compressor, wire brushes, broom etc. before applying Prime Coat, all complete as per specification (SS-13.1) and instruction of Engineer.	lit	50872.08				
27.60	Providing and spraying bituminous tack coat including cleaning the road surface using compressor, wire brushes, broom etc. before applying tack coat, all complete as per specification (SS-13.2) and instruction of Engineer.	lit	40697.67				
27.70	Providing and laying 50 mm thick asphalt concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler all complete as per specification (SS-13.6), drawings and instruction of Engineer.	cum	2554.40				



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27.80	Providing and laying dense bituminous macadam (DBM) using crushed aggregates of specified grading, premixed with bituminous binder and filler, all complete as per specification (SS-13.5) and instruction of Engineer .	cum	2491.55				
27.90	Providing and laying of M20 precast cement concrete Kerb 38 cm * 20 cm * 25 cm (H*B*L) with 12 mm thick 1:3 cement sand mortar bedding and joints including foundation excavation levelling but excluding foundation concrete for foundation or sand gravel material, all complete as per specification (SS-14.1), drawings and instruction of Engineer .	m	14632.48				
AC	RCC HUMES PIPES						
28.10	Providing and laying RCC Hume Pipes (NP3) with or without collars, jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) with lead all complete as per specification (SS-7.2), drawings and instruction of Engineer . 600 mm Diameter	m	105.00				
28.20	Providing and Laying HDP Pipes (110mm dia-6kg/sq.cm) for Road Side Drain all complete as per specification (SS-7.1), drawings and instruction of Engineer .	m	21528.00				
28.30	Providing and Laying PE 100 PN6 Dia 180 mm Perforated Pipe for catch pit within Park as per drawings, specification and instruction of Engineer	rm	345.00				
AD	MANHOLE COVER						
29.10	Providing and laying CI (Cast Iron) cover of size 600 × 600 mm, including supplying, transporting, positioning, and fixing the cover complete as per drawing, specifications, and instructions of the Engineer.	nos.	1.00				
29.20	Providing and Fixing of SMC/FRP Man hole Frame 570mm, cover 475 mm square, 5 tons Capacity frame 45mm th. Cover as per drawing specification and instruction.	nos.	3.00				
AE	Street Lights						
30.10	Supply and Delivery of Galvanized octagonal 7m Pole (65 Kg), Single Arm 90 Watt Street Light and all complete accessories required as per NEA's Specifications and Drawing	Nos.	538.00				
30.20	Installation of 7m Octagonal Pole with required Civil Foundation, Single Arm 90 Watt Street Light Luminaire and Crossarms with supply connection from the power distribution cable using appropriate wire and connector and all other required accessories as per NEA's Specifications and Drawing	Nos.	538.00				
30.30	Supply and Delivery of 12.5 meter Mini MAST Pole, 200 Watt Flood Light (8 no's per mast) and all complete accessories as per NEA's specifications and Drawing	set	2.00				
30.40	Installation of 12.5 meter Mini MAST Pole, 200 Watt Flood Light with supply connection from the power distribution cable using appropriate wire and connector and all complete accessories as per NEA's specifications and Drawing	Nos.	2.00				
30.50	Providing, laying, and jointing of PE 100, PN6, 140 mm outer diameter pipe to act as a conduit for street light cables, including all necessary excavation backfilling, jointing, alignment, complete as per drawings, specifications, and instructions of the Engineer	rm	13600.00				
30.60	Supply and fixing of 140 mm diameter Electrofusion Coupler for connecting conduit pipes for street light cables at an interval of 100 m, including all necessary jointing, alignment, preparation, complete as per drawing and instructions of the Engineer	Nos.	270.00				



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AF	Miscellaneous Works						
31.10	Synthetic tensile Roofing work: Providing and installing PVC-coated tensile fabric roofing membrane over space truss, manufactured from high-strength polyester (PES) base fabric with PVC coating and double-sided PVDF protective finish (PVDF/PVDF S2), having a weight of 950 gsm, thickness of 0.75 mm, minimum tensile strength of 550/550 daN/5 cm (warp/weft), minimum tear strength of 80/60 daN (warp/weft), adhesion strength of approximately 20-30 N/10 mm (10-15 daN/5 cm), in off white colour with low visible light transmittance of approximately 4-8% and low solar transmittance of approximately 6% as per EN 410, possessing high durability, dimensional stability and low maintenance characteristics, resistant to weathering, UV exposure, heat and cold, with fire performance classified as C-s2,d0 in accordance with EN 13501-1, complete with all necessary accessories and installation over the supporting space truss, all complete in accordance with the manufacturer's specifications, approved shop drawings and as directed by the Engineer.	sqm	254.47				
31.20	NEOPRENE BEARING (350*350*12 mm):Providing and placing 350 mm × 350 mm × 12 mm thick neoprene elastomeric bearing pad, including cutting, fitting, levelling, and all necessary materials and labour, complete as per drawings, specifications, and Engineer's instructions.	sqm	1.96				
31.30	Dustbin:Supply and installation of heavy duty dustbin LLDPE Plastic Dustbin (capacity 125 litre) with base (14"*14", Top Lid 20"*20", Height 36.5" and 6 Kg product weight with opening on both side of top lid installed of different colours used to collect dust dirt, or other waste including necessary accessories all complete as per Drawing, Specification and instruction of Engineer.	nos	18.00				
AG	Children Park Equipments						
32.10	Metal Swing	nos	7.00				
32.20	See Saw	nos	2.00				
32.30	FRP+ Metal Medium Play Station	nos	1.00				
32.40	FRP+ Metal Happy Go Round	nos	2.00				
32.50	Metal Pole For Spider Web game	nos	1.00				
AH	WOODEN BENCHES						
33.1	Providing, fabricating and installing hardwood(Sal or equivalent) bench of overall size 2.20 m × 1.70 m, constructed with approved quality seasoned hardwood planks of varying thicknesses as per approved drawings and design, including cutting, shaping, planning, sanding, joining, necessary hardwood/MS supports, screws, bolts, adhesives, fittings, edge finishing, and application of two coats of approved oil stain finish over prepared surface, complete in all respects, including transportation, erection, and all incidental works as directed by the Engineer.	nos	12.00				
AI	NYLON WORK NETTING						
34.1	Providing and fixing 10 mm dia nylon work netting of approved different colours over the fence, properly stretched and securely tied/fixed to the existing fence/supporting frame with nylon rope, clamps, fasteners and all necessary accessories, complete in all respects as per drawings and Engineer's instructions.	rm	29625.00				



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C	Sanitary & Water Supply Works						
35.1	Supply and installation of Commode of approved make White glazed earthenware close coupled European Water Closet set with standard Bakelite seat cover, nylon connector pipe complete with testing and ready for operation. Sanitary ware: Hindware/Parryware or Equivalent CP fixtures: Hindware/Parryware / Jaguar or equivalent SWR pipe:Aajaya/ Marvel / Supreme or equivalent Water supply pipe and fitting: Aajaya / Raksya / Astral / Ashirbad or equivalent	Set	4.00				
35.2	Supply and installation of Disb. Commode of approved make White glazed earthenware close coupled European Water Closet set with standard Bakelite seat cover, nylon connector pipe complete with testing and ready for operation.	Set	1.00				
35.3	Providing and fixing in position 580 mm size Orissa Pan Hind ware Special or Parry ware Special or equivalent Chinaware Flat Pan with 10 liters capacity white glazed flushing cistern including CP flushing bend, CP angle valve, CP connector, flushing valve, seat cover connection to water and soil lines all complete with testing and ready for operation as per drawings, specifications and instruction	Set	2.00				
35.4	Supply and installation of 50.6cm X 46cm white glazed porcelain clay wall hung wash basin with pedestal central hole Porcelain clay white glaze Wash basin with Pedestal and Prismatic Pillarcock and ready for operation. Sanitary ware : Hindware/Parryware or Equivalent CP fixtures : Hindware/Parryware / Jaguar or equivalent Water supply pipe and fitting :Aajay / Raksya / Astral / Ashirbad or equivalent.	Set	1.00				
35.5	Supply and installation of 42.2cm X 60 cm white glazed porcelain clay Under Counter wash basin with Porcelain clay white glaze Under Counter Wash basin with prismatic pillar cock with testing and ready for operation.	Set	4.00				
35.6	Porcelain clay white glaze Large flat back urinal size 61x41x38cm with 32mm CP bottle trap all complete with testing and ready for operation.	Set	2.00				
35.7	Supply and installation of Providing and fixing in position C.P. Grab Bar European pattern 450mm long of holder Jaguar or equivalent.	Set	1.00				
35.8	Supply and installation of Providing and fixing in position C.P. Grab Bar European pattern 600mm long European Pattern or equivalent	Set	1.00				
35.9	Supply and installation of Providing and fixing in position C.P. Grab Bar European pattern 600mm long bend European Pattern or equivalent	Set	1.00				
34.1	Winston wall Bib cock (Tap) Model (FFAST702-000500BF0)	set	2.00				
34.11	15mm C.P. water spray with 1.2m long flexible pipe.	Nos.	5.00				
34.12	Chrome plated (C.P.) toilet paper holder	Nos.	7.00				
34.13	Chrome plated Sava Soap dish (heavy type)	Nos.	5.00				
34.14	Chrome plated Sava Towel Rod 24"x½" model (FFAS6588-908500BF0)	Nos.	5.00				
34.15	15mm diameter angle valve with wall flange.	Nos.	12.00				
34.16	450mm X 600mm looking mirror (Modiguard, or equivalent)	Nos.	5.00				
34.17	PVC multifloor trap /floor trap with cockroach trap	Nos.	9.00				
34.18	15mm C.P. flush cock push type & Speeder	Nos.	2.00				
34.19	80cm X 36.5cm X 14cm thick white glazed earthenware urinal partition all complete .	Nos.	2.00				



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34.2	Providing and fixing in position vertical/Horizontal cylinder S.S.Water tank of Syntex/nepatop or equivalent make 1000ltrs capacity with required supports including hoisting ,fixing with necessary connection all complete with testing and ready for operation as per drawings ,specifications as approved by site engineer all complete.	Nos.	1.00				
34.21	Supply and installation of Providing and fixing in position 1.50 H P Electric motor pump with base plate nuts, bolts etc. Set	Nos.	1.00				
34.22	Supply and installation of Chlorinated Poly-Vinyl Chloride (CPVC) pipes (SDR 11 in CTS)(for Cold water Supply & Hot water Supply and Hot water retune pipe) conforming to IS 15778 from 15 mm to 50 mm .Schedule 80 Pipes to be used from 65 mm to 150 mm Confirming ASTM-441.Pipe shall be joined using solvent welded CPVC fitting i.e. Tees, Elbows, Couplers Unions, Reducers,Brushings etc. including transition fittings (connection between CPVC and metal pipe i.e.. brass adaptors both male and female threaded) shall conform to ASTM D -2846, with only CPVC solvent cement conforming to ASTM -F 493 ,All CPVC pipe and fitting must be NSF-14 and NSF-61 certified. With fabricated and subsequently clam/structural steel support as required/directed as site including cutting chases and fitting the same with cement concrete /cement mortar asquired .All termination points for installation of faucet shall have brass termination fitting all complete including testing at hydraulic pressure of 10 kg/sq.cm. after installation as per drawings, specifications and ready for operation.	RM	15.00				
34.23	Internal 25mm dia. CPVC pipe	RM	5.00				
34.24	Internal 32mm dia. CPVC pipe	RM	5.00				
34.25	Supply and installation of forged brass lever operator valve of full flow with forged brass ball (Machine and mirror smooth finish with hard chrome plated) and spindle with setting and gland of superior quality having minimum working pressure of 10 kg/cm sq. all complete. Internal 25mm dia. ball valve	Nos.	3.00				
34.26	Internal 32mm dia. ball valve.	Nos.	3.00				
34.27	Providing fixing jointing and commissioning of UV stabilised UPVC pipes Type -B as per IS 13595 to soil,waste , vent and rain ,including all fittings As per IS:14735 with or without access i.e bend junctions, cowls, offsets, couplers, connectors,heavy duty metal clamps .with rubber seal/ clips/ holders etc and jointing with heavy duty sovent cement ,complete as per specification including making holes cutting grooves on wall or floors and repairing the same to its orgiobal finish .Pipe to be installed on wall or floor or duct or trench or hung to the ceiling as per drawing specification manufactures recommendation instruction .cleaning of the system testing and ready for operation.The rate shall include for all labour and materials required.The measurement shall be done for running meter fitting etc not payable seperately. uPVC Pipe 50 mm dia As per IS13592 & fitting as per IS 14735. (SOIL, WASTE PIPE LINES)	RM	8.00				
34.28	uPVC Pipe 75 mm dia As per IS13592 & fitting as per IS 14735. (SOIL, WASTE PIPE LINES)	RM	18.00				
34.29	uPVC Pipe 110 mm dia As per IS13592 & fitting as per IS 14735. (SOIL, WASTE PIPE LINES)	RM	27.00				
34.3	Supply and installation of HDPe -Double wall Corrugated pipe (DWC) (SN8) with all necessary fitting including excavation for laying the pipe in the trench, 100mm thick sand bedding, testing of joints and backfilling of soil all complete as per drawings, specifications and acceptance of engineer-in-charge. Supply and installation of 150 mm HDPe -Double -wall Corrugated Pipe (DWC)(SN8).	RM	16.00				



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34.31	PE Pipe						
	PE 100 PN 10 pipe laying and jointing work		40.00				
34.31.1	63 mm dia						
34.31.2	50 mm dia		40.00				
34.31.3	40 mm dia		190.00				
34.31.4	32 mm dia		580.00				
34.31.5	25 mm dia		135.00				
34.31.6	20 mm dia		165.00				
34.32	PE FITTINGS						
	20% of pipe cost						
34.33	Providing and supplying of 2 HP motor pump for sprinkler purpose	No	2.00				
34.34	Providing and fitting of Pop up spray head having and two piece stem ratchet (0 to 360 degree) nozzle capable of covering 1.2*8.5 Bars with a STRIP NOZZLE discharge rate of 0.075 lps. The Spray Head body, stem, nozzle, ratchet and screen shall be constructed heavy-duty, ultraviolet resistant plastic and stainless steel with multifunctional wiper seal with small exposed cover 15SST and fitting stand for sprinkler all complete as per Drawing and Technical Specifications	Set	25.00				
34.35	PVC Ball valve						
	Providing and jointing valve with necessary solvent, glue all		1.00				
34.35.1	65 mm dia						
34.31.2	50 mm dia		1.00				
34.31.3	40 mm dia		1.00				
34.31.4	32 mm dia		3.00				
34.31.5	25 mm dia		1.00				
34.31.6	20 mm dia		26.00				
D	Electrical Works						
35.1	Main Distribution Board Supply, installation, testing, and commissioning of Floor-Mounted Double Door Panel Board made of 2 mm thick metal sheet, powder-coated (50–60 microns) with 7-tank pre-treatment process, provided with push-button lock, safety acrylic sheet cover with warning sign on exposed live parts, DB name embossed on metal tag, complete ferruling, spreader, copper neutral bus bar, phase bus bar, and earth bus bar, with adequate space for incoming and outgoing cables and complete internal wiring, excluding the cost of switchgears and measuring instruments of Following: (Panel Make of Avon Panel Nepal, Reliable Power System, NG Electrical per technical specification. All Circuit Breaker MCB and RCCB are Make of CHINT, L&T, Siemens, Legrand) Incomer: 1 no. 100 A 4P MCB, 10 kA (Incomer) Outgoing: 5 Nos. 40 A 4P MCB, 10 kA 2 Nos. 32 A 4P MCB, 10 k 7 Nos. 25 A DP MCB, 10 kA 1 No. Multifunction Meter (LCD display), 3Ph R-Y-B indicator, SP MCB, lamps and fuse including Cable Shoe/glands for incoming and outgoing cables	Set	1.00				



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35.2	<i>Sub Distribution Board: Supply, installation, testing and commissioning of Sub Distribution Board all complete Accessories, Cu Bus Bar, Cu Neutral and Earth Links. All Circuit Breaker and Distribution Board, MCB,RCCB are Make of CHINT, Siemens, ABB, L&T. As per Technical Specifications and IS/IEC 60898-1 for MCB, IS/IEC 60947-2 and 3 For MCB and Isolator of following</i>						
35.3	8 way SPN DB Double Cover Glazed Door with Followings: 1 No. 16 A DP MCB, 10 kA (Incomer) 1 No. of 16 A , 30 mA DP RCCB 4 Nos. 6 - 16 A SP MCB, 10 kA (Outgoing)	Set	2.00				
35.4	12 way SPN DB Double Cover Glazed Door with Followings: 1 No. 20 A DP MCB, 10 kA 1 No. of 16 A , 30 mA DP RCCB 8 Nos. 6 - 16 A SP MCB, 10 kA	Set	1.00				
35.5	8 way TPN DB Double Cover Glazed Door with Followings: 1 No. 32 A 4P MCB, 10 kA 3 No. of 16 A , 30 mA DP RCCB 18 Nos. 6 - 16 A SP MCB, 10 kA	Set	2.00				
35.6	<i>Cables and Wire Supply, laying and Testing of cable from NEA supply point to MDB, and internal power cables to other power panels, laid underground through HDPE pipes as per specifications. (Excluding the cost of HDPE pipes). Approved make: Premier Cable, Pioneer Cable, Litmus Cable, Nenal Cable, Prakash Cable</i>						
35.6.1	2.5 mm ² 3 core Aluminium XLPE Armoured Conductor	Rm.	600.00				
35.6.2	4 mm ² 3 core Aluminium XLPE Armoured Conductor	Rm.	1250.00				
35.1.3	6 mm ² 3 core Aluminium XLPE Armoured Conductor	Rm.	500.00				
35.1.4	16 mm ² 4 core Aluminium XLPE Armoured Conductor	Rm.	150.00				
35.1.5	25 mm ² 4 core Aluminium XLPE Armoured Conductor	Rm.	125.00				
35.1.5	6 mm ² 2 core Copper XLPE Armoured Conductor	Rm.	100.00				
35.1.6	10 mm ² 2 core Copper XLPE Armoured Conductor	Rm.	200.00				
35.7	<i>HDPE Pipe Supply and Installation of HDPE Pipe for cable laying as per drawing and Technical Specifications .NS 40.</i>						
35.7.1	50 mm HDPE Pipe (PN 10)	Rm.	150.00				
35.7.2	32 mm HDPE Pipe (PN 10)	Rm.	1800.00				
35.8	<i>Cable Shoes Supply and installation of cable shoes at both ends of armored and un-armored cables from MDB various DBs</i>						
35.8.1	4-16 sq.mm. Cable Shoe	Nos.	64.00				
35.8.2	25 sq.mm. Cable Shoe	Nos.	8.00				
35.9	<i>Modular Switches Supply, installation, testing & commissioning of white plate series modular type (polycarbonate) switch sockets. (Legrand Myrius, ELECTRA Selis, Northwest Artisa, Siemens Delta Make)</i>						
35.9.1	1 Gang one way Switch, 10 A	Nos.	15.00				
35.9.2	2 Gang one way Switch, 10A	Nos.	8.00				
35.9.3	3 Gang one way Switch, 10A	Nos.	4.00				
35.9.4	4 Gang one way Switch, 10A	Nos.	2.00				



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35.1	Indoor Light						
35.10.1	Supply, installation, testing, and commissioning of Light Point Wiring from the designated Distribution Board (DB) to light points using 2 × 2.5 sq.mm FRLS copper conductor , drawn through 20 mm heavy-duty PVC conduit, complete with modular switches, metal flush boxes, switch plates, junction boxes, conduits, fittings, and all necessary accessories, conforming to relevant IS/IEC/BS standards. The rate shall include circuit wiring from the DB to the first light point/control switch and looping between switches and light points for one-way or two-way control, as shown in the approved drawings. No cable joints shall be permitted except at switch boxes and light fixtures. The item shall include wiring, installation, testing, and commissioning, complete in all respects as approved by the Engineer-in-Charge.	Pts.	85.00				
35.10.2	Supply, installation, testing and commissioning of 6 W Recessed/Surface Mounted Round Backlit LED Luminaire with pressure die-cast (PDC) aluminium housing and high-efficiency, non-yellowing polycarbonate diffuser. Minimum luminous efficacy ≥100 lm/W, glare-free deep-down optics, constant current/constant voltage, flicker-free, surge-protected LED driver, THD ≤10%, PF ≥0.90, CCT 4000–6500 K (as per application), CRI ≥80, and minimum 50,000 hours (L70) rated life. Complete with mounting accessories, terminal block, internal wiring, connectors, and all fixing hardware. The luminaire shall comply with IS 16102 (Part 2), IS 16103 (Part 1), IS 16108, and IEC 60598, and shall be supplied with a minimum 5-year manufacturer's warranty. The rate shall include complete installation, wiring, testing, and commissioning, complete in all respects as approved by the Engineer-in-Charge.	Nos.	10.00				
35.10.3	Supply, installation, testing and commissioning of 12 W Recessed/Surface Mounted Round Backlit LED Luminaire with pressure die-cast (PDC) aluminium housing and high-efficiency, non-yellowing polycarbonate diffuser. Minimum luminous efficacy ≥100 lm/W, glare-free deep-down optics, constant current/constant voltage, flicker-free, surge-protected LED driver, THD ≤10%, PF ≥0.90, CCT 4000–6500 K (as per application), CRI ≥80, and minimum 50,000 hours (L70) rated life. Complete with mounting accessories, terminal block, internal wiring, connectors, and all fixing hardware. The luminaire shall comply with IS 16102 (Part 2), IS 16103 (Part 1), IS 16108, and IEC 60598, and shall be supplied with a minimum 5-year manufacturer's warranty. The rate shall include complete installation, wiring, testing, and commissioning, complete in all respects as approved by the Engineer-in-Charge.	Nos.	42.00				
35.10.4	Supply, installation, testing and commissioning of 24 W Recessed/Surface Mounted Round Backlit LED Luminaire with pressure die-cast (PDC) aluminium housing and high-efficiency, non-yellowing polycarbonate diffuser. Minimum luminous efficacy ≥100 lm/W, glare-free deep-down optics, constant current/constant voltage, flicker-free, surge-protected LED driver, THD ≤10%, PF ≥0.90, CCT 4000–6500 K (as per application), CRI ≥80, and minimum 50,000 hours (L70) rated life. Complete with mounting accessories, terminal block, internal wiring, connectors, and all fixing hardware. The luminaire shall comply with IS 16102 (Part 2), IS 16103 (Part 1), IS 16108, and IEC 60598, and shall be supplied with a minimum 5-year manufacturer's warranty. The rate shall include complete installation, wiring, testing, and commissioning, complete in all respects as approved by the Engineer-in-Charge.	Nos.	10.00				



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35.10.5	Supply, installation, testing, and commissioning of 9/12 W LED Mirror Light suitable for wall mounting above or beside mirrors, operating on 110–270 V AC, 50 Hz. The luminaire shall have an extruded aluminium housing with a corrosion-resistant powder-coated or anodized finish, opal polycarbonate/frosted acrylic diffuser, and an integral constant-current, flicker-free LED driver. It shall provide a minimum luminous efficacy of ≥ 100 lm/W, PF ≥ 0.90 , THD $\leq 10\%$, CRI ≥ 80 , CCT 4000 K- 6500K (as specified), IP44 minimum (or IP65 for wet areas), and a minimum rated life of 50,000 hours (L70). The fitting shall be supplied complete with mounting brackets, fixing hardware, connectors, terminal block, internal wiring, and all necessary accessories. The luminaire shall comply with IS 16102 (Part 2), IS 16103 (Part 1), IS 16108, and IEC 60598 standards, and shall carry a minimum 5-year manufacturer's warranty. The item shall include complete installation, testing, and commissioning, complete in all respects as approved by the Engineer-in-Charge.	Nos.	6.00				
35.10.6	Supply, installation, testing, and commissioning of 10 -12 W LED Bulkhead Light suitable for indoor and outdoor applications, operating on 110–270 V AC, 50 Hz. The luminaire shall have a pressure die-cast aluminium or UV-stabilized polycarbonate housing with a high-impact opal polycarbonate diffuser and integral constant-current, flicker-free LED driver. It shall provide a minimum luminous efficacy of ≥ 120 lm/W, PF ≥ 0.90 , THD $\leq 10\%$, CRI ≥ 80 , CCT 4000 K- 6500 K (as specified), IP65 protection, IK08 impact resistance, minimum 4 kV surge protection, and a minimum rated life of 50,000 hours (L70). The fitting shall be suitable for wall or ceiling mounting and supplied complete with stainless steel mounting hardware, cable gland, terminal block, gaskets, internal wiring, connectors, and all necessary fixing accessories. The luminaire shall comply with IS 16102 (Part 2), IS 16103 (Part 1), IS 16108, and IEC 60598 standards and shall carry a minimum 5-year manufacturer's warranty. The rate shall include complete installation, wiring, testing, and commissioning, complete in all respects as approved by the Engineer-in-Charge.	Nos.	8.00				
35.10.7	Supply, installation, testing, and commissioning of Exhaust Fan of approved make and capacity (250/300 mm as specified), suitable for wall or window mounting, operating on 230 V AC, 50 Hz. The fan shall have a high-efficiency copper-wound motor with permanently lubricated ball bearings, low-noise operation, aerodynamic powder-coated metal blades, and a corrosion-resistant body with protective safety grill. The fan shall have a minimum protection of IP40, power factor ≥ 0.90 , thermal overload protection, and be suitable for continuous operation. It shall be supplied complete with mounting frame, fixing hardware, fasteners, louvres/shutters (where specified), wiring connections, and all necessary accessories. The exhaust fan shall comply with relevant IS 2312 and applicable IEC standards and shall be supplied with a minimum 2-year manufacturer's warranty. The rate shall include complete installation, wiring, testing, and commissioning, complete in all respects as approved by the Engineer-in-Charge.	Set	8.00				
35.10.8	Supply, installation, testing, and commissioning of 1200 mm Sweep Ceiling Fan suitable for operation on 230 V AC, 50 Hz, complete with electronic step regulator. The fan shall have a high-efficiency BLDC motor with copper windings, aerodynamic aluminium blades, double ball bearings, low-noise operation, and a service value as per applicable standards. The fan shall consume not more than 75 W at rated speed, with a minimum speed of 350 RPM and air delivery of 220 m ³ /min or better. The fan shall be supplied complete with downrod, canopy, shackle assembly, safety cotter pin, terminal box, electronic regulator, fixing hardware, and all necessary accessories. The fan shall comply with IS 374, IS 302 (Part 2/Sec 80), and applicable BIS BEE 5-Star requirements, and shall be supplied with a minimum 5-year manufacturer's warranty. The rate shall include complete installation, wiring, testing, and commissioning, complete in all respects as approved by the Engineer-in-Charge.	Set	10.00				



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35.10.9	Wall Fan	Nos.	8.00				
35.11	Outdoor Light						
35.11.1	Supply, installation, testing and commissioning of 12 m high mast lighting system comprising a hot-dip galvanized octagonal/tapered polygonal steel mast manufactured from high tensile steel conforming to IS 2062 Grade E250/E350 or equivalent, designed to withstand a minimum wind speed of 180 km/h, complete with base plate, anchor bolts, foundation template, service door, internal wiring, earthing terminal, corrosion protection, and all necessary accessories. The mast shall be provided with a fixed or lowering type luminaire carriage (as specified), complete with mounting brackets for luminaires. The system shall be fitted with four (4) Nos. 150 W LED flood light luminaires suitable for 110–270 V AC, 50 Hz operation, having pressure die-cast aluminium housing, high-efficiency LED modules, toughened glass cover, non-dimmable constant current driver, power factor ≥ 0.95 , luminous efficacy ≥ 140 lm/W, IP66, IK10, THD $<10\%$, CRI ≥ 70 , SPD 10 kV minimum, CCT 4000–5700 K, and minimum 50,000 hours rated life (L70), complying with IS 10322 (Part 5/Section 5), IS 16102 (Part 2), IS 16103 (Part 1), IS 16108, or equivalent IEC standards. The mast shall include	Nos.	1.00				
35.11.2	Supply, Installation, testing and commissioning of 7-metre-high single-arm decorative spun tapered aluminum street lighting pole manufactured from extruded Aluminum Alloy 6063-T6 with a minimum wall thickness of 4.0 mm, 180 mm bottom diameter and 76 mm top diameter, complete with a 350 × 350 × 25 mm cast aluminum base plate, 1.0 m long single tapered curved outreach arm with 60 mm spigot for mounting one LED street light luminaire, weatherproof hand hole located approximately 300 mm above the base fitted with a tamper-resistant anti-theft access cover comprising a heavy-duty steel security plate (obround opening approximately 80 mm. × 140 mm) with vandal-resistant stainless steel fasteners, cable entry provision and earthing terminal, four (4) hot-dip galvanized M24 × 750 mm anchor bolts with double nuts, flat washers, spring washers and steel locating template, decorative two-piece base cover, pole cap, name plate, stainless steel mounting hardware and all necessary accessories. The pole shall be designed to withstand a minimum wind speed of 160 km/h, finished with clear anodizing or polyester powder coating of minimum 80 μ m	Nos.	10.00				
35.11.3	Supply, installation, testing and commissioning of 90 W LED street light luminaire suitable for operation on 110–270 V AC, 50 Hz supply, complete with pressure die-cast aluminium housing, high-efficiency LED module, UV-stabilized toughened glass diffuser, integral non-dimmable constant current LED driver, power factor not less than 0.90, total harmonic distortion (THD) less than 10%, colour rendering index (CRI) not less than 70, system luminous efficacy not less than 130 lm/W, surge protection device (SPD) of minimum 10 kV, ingress protection rating of IP66 and impact protection rating of IK09. The luminaire shall have a minimum rated life of 50,000 burning hours (L70), suitable for mounting on a 60 mm diameter spigot with adjustable mounting arrangement, complete with stainless steel hardware, terminal block, internal wiring, gaskets, cable gland, all fixing accessories and mounting brackets. The luminaire shall comply with IS 16102 (Part 2), IS 16103 (Part 1), and IS 16108, or equivalent international standards, and shall be supplied with a minimum 5-year comprehensive manufacturer's warranty. The item shall include all necessary materials, fixing, testing,	Nos.	12.00				



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35.11.4	Supply, installation, testing, and commissioning of 20 W LED Post Top Fixture suitable for garden, park and landscape lighting applications, operating on 110–270 V AC, 50 Hz. The luminaire shall have a pressure die-cast aluminium housing with corrosion-resistant polyester powder-coated finish, UV-stabilized opal polycarbonate diffuser, and an integral constant-current, flicker-free LED driver. It shall provide a minimum luminous efficacy of ≥ 110 lm/W, PF ≥ 0.90 , THD $\leq 10\%$, CRI ≥ 80 , CCT 3000 K/4000 K/5700 K (as specified), IP65 protection, IK08 impact resistance, minimum 4 kV surge protection, and a rated life of 50,000 hours (L70). The fixture shall be complete with a post-top mounting arrangement suitable for a 60 mm OD pole, terminal connectors, internal wiring, stainless steel fasteners, fixing hardware, and all necessary accessories. The luminaire shall comply with IS 16102 (Part 2), IS 16103 (Part 1), IS 16108, and IEC 60598 standards, and shall be supplied with a minimum 5-year manufacturer's warranty. The rate shall include complete installation, wiring, testing, and commissioning, complete in all respects as approved by the Engineer-in-Charge.	Nos.	85.00				
35.11.5	Supply, installation, testing and commissioning of 15 W LED bollard light suitable for outdoor pathway, landscape, garden, park, plaza and pedestrian area lighting, operating on 110–270 V AC, 50 Hz. The bollard shall be manufactured from heavy-duty extruded aluminium alloy with corrosion-resistant polyester powder-coated finish, UV-stabilized polycarbonate or tempered tempered glass diffuser, and an overall height of 900–1000 mm above finished ground level. The luminaire shall be equipped with a high-efficiency LED module and an integral non-dimmable constant current driver, delivering a system luminous efficacy of not less than 90 lm/W, with power factor ≥ 0.90 , THD $< 10\%$, CRI ≥ 80 , CCT 3000 K/4000 K/5700 K (as specified by the Engineer), IP66 ingress protection, IK08 impact protection, minimum 6 kV surge protection (SPD), and a minimum rated life of 50,000 burning hours (L70). The bollard shall be complete with die-cast aluminium base, base plate, anchor bolts, terminal block, cable gland, stainless steel fasteners, internal wiring, mounting hardware and all necessary accessories. The luminaire shall comply with IS 16102 (Part 2), IS 16103 (Part 1), IS	Nos.	200.00				
35.11.6	Supply, installation, testing and commissioning of IP66 LED Flexible Neon Light suitable for outdoor architectural, landscape, façade, cove, bridge, pathway and decorative lighting applications, comprising high-quality UV-resistant flexible silicone neon housing with continuous dot-free illumination and high-efficiency LED light source. The LED neon light shall be suitable for operation on 220–240 V AC, 50 Hz, with a rated power consumption of 10–15 W per metre, system luminous efficacy of not less than 100 lm/W, CRI ≥ 80 , power factor ≥ 0.90 , CCT 3000 K/4000 K, minimum beam angle of 120° , IP66, UV and weather resistance, operating temperature of -20°C to $+50^\circ\text{C}$, and a minimum rated life of 50,000 burning hours (L70). The neon light shall be capable of bending in the specified direction (top bend or side bend), with a minimum bending radius as recommended by the manufacturer, and shall be complete with end caps, waterproof connectors, power feed cable, mounting clips, fixing accessories, driver, cable terminations, and all necessary accessories for complete installation. The product shall comply with relevant IEC 60598, IS 10322, and applicable IS/IEC	Mtr	1250.00				



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35.11.7	Supply, installation, testing and commissioning of 18 W LED Foot Light (Brick Size) suitable for recessed mounting in masonry walls, boundary walls, landscape retaining walls, staircases, pathways, pedestrian walkways and outdoor architectural lighting, operating on 110–270 V AC, 50 Hz. The luminaire shall be of standard brick size (approximately 230 mm × 115 mm × 75 mm) or compatible with a standard masonry brick opening, and shall be manufactured from pressure die-cast aluminium housing with corrosion-resistant polyester powder-coated finish, UV-stabilized tempered glass diffuser, high-efficiency LED module and integral non-dimmable constant current driver. The luminaire shall have a system luminous efficacy of not less than 90 lm/W, power factor ≥ 0.90, THD < 10%, CRI ≥ 80, CCT 3000 K/4000 K/5700 K (as specified), asymmetric downward light distribution for glare-free pathway illumination, IP66 ingress protection, IK08 impact resistance, minimum 4 kV surge protection (SPD), and a minimum rated life of 50,000 burning hours (L70). The luminaire shall be supplied complete with recessed mounting box, stainless steel fasteners,	Nos.	40.00				
35.11.8	Supply, installation, testing and commissioning of 15 W - 18 W LED Outdoor Spot Light suitable for landscape, architectural façade, monument and accent lighting applications, operating on 110–270 V AC, 50 Hz. The luminaire shall be manufactured from pressure die-cast aluminium housing with corrosion-resistant polyester powder-coated finish, high-transmittance tempered glass lens, high-efficiency LED module, and integral non-dimmable constant current driver. The luminaire shall have a system luminous efficacy of not less than 80 lm/W, power factor ≥ 0.90, THD < 10%, CRI ≥ 80, CCT 3000 K/4000 K, and beam angle of 15°, 24°, or 36° (as specified). The luminaire shall provide IP67, IK08, minimum 6 kV SPD, and a minimum rated life of 50,000 burning hours (L70). The luminaire shall be complete with an adjustable stainless steel mounting bracket allowing vertical and horizontal aiming, weatherproof cable gland, minimum 1.0 m outdoor-grade flexible cable, stainless steel fasteners, terminal connectors, mounting hardware and all necessary accessories for complete installation. The luminaire shall comply with IS 16102 (Part 2), IS 16103 (Part 1), IS 16108, and	Nos.	150.00				
35.11.9	Supply, installation, testing and commissioning of decorative cluster type LED Post Top Lighting Feature comprising multiple curved heavy-duty rigid polycarbonate tubular poles of 100 mm diameter and varying heights from 2.5 mtr above finished ground level, complete with curved profile, base plate, anchor bolts, RCC foundation and all mounting accessories. The fixture shall be provided with 100 mm diameter opal white UV-stabilized PMMA/Acrylic or Polycarbonate LED globe luminaires, each rated at 3–5 W, suitable for operation on 110–270 V AC, 50 Hz, with integral constant current LED driver, colour temperature 3000 K/4000 K (as directed), CRI ≥ 80, system efficacy ≥ 100 lm/W, power factor ≥ 0.90, THD < 15%, IP65 protection and minimum 50,000 hours (L70) service life. The complete installation shall include FRLS copper wiring inside each pole, weatherproof junction box at the base, loop-in loop-out wiring arrangement, earthing connection to the pole structure, connectors, glands, ferrules, termination accessories, testing, commissioning, and all materials, labour and accessories required for complete installation as approved by the Engineer.	Set	1.00				



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35.11.10	Supply, installation, testing, and commissioning of 12 W LED Spike Light suitable for landscape, garden, tree, shrub and accent lighting applications, operating on 110–270 V AC, 50 Hz. The luminaire shall have a pressure die-cast aluminium housing with corrosion-resistant polyester powder-coated finish, tempered glass lens, high efficiency LED module, and an integral constant-current, flicker-free LED driver. It shall provide a minimum luminous efficacy of ≥ 90 lm/W, PF ≥ 0.90 , THD $\leq 10\%$, CRI ≥ 80 , CCT 3000 K/4000 K (as specified), beam angle of 15° , 24° (as specified), IP66 protection, IK08 impact resistance, minimum 4 kV surge protection, and a rated life of 50,000 hours (L70). The luminaire shall be complete with an adjustable mounting bracket, heavy-duty ground spike, weatherproof cable gland, minimum 1.0 m outdoor-grade flexible cable, stainless steel fasteners, terminal connectors, fixing hardware, and all necessary accessories. The luminaire shall comply with IS 16102 (Part 2), IS 16103 (Part 1), IS 16108, and IEC 60598 standards, and shall be supplied with a minimum 5-year manufacturer's warranty. The rate shall include complete installation, aiming, wiring, testing, and	Nos.	60.00				
35.11.11	Supply, installation, testing, and commissioning of 18 W LED Up & Down Light operating on 110–270 V AC, 50 Hz. The luminaire shall have a pressure die-cast aluminium housing with corrosion-resistant polyester powder coated finish, tempered glass lenses, high-efficiency LED modules, and an integral constant-current, flicker-free LED driver. It shall provide a minimum luminous efficacy of ≥ 100 lm/W, PF ≥ 0.90 , THD $\leq 10\%$, CRI ≥ 80 , CCT 3000 K/4000 K (as specified), with symmetrical or asymmetrical light distribution for upward and downward illumination. The luminaire shall have IP65 protection, IK08 impact resistance, minimum 4 kV surge protection, and a rated life of 50,000 hours (L70). The fixture shall be complete with wall-mounting bracket, weatherproof cable gland, terminal connectors, stainless steel fasteners, fixing hardware, and all necessary accessories. The luminaire shall comply with IS 16102 (Part 2), IS 16103 (Part 1), IS 16108, and IEC 60598 standards and shall be supplied with a minimum 5-year manufacturer's warranty. The rate shall include complete installation, wiring, testing, and commissioning, complete in all respects as approved by the	Nos.	6.00				
35.11.12	Supply, installation, testing, and commissioning of IP66 LED Strip Light of approved wattage and length, suitable for indoor and outdoor cove, façade, landscape, and architectural lighting applications, operating on 110–270 V AC, 50 Hz with an integral high-efficiency constant-current LED driver. The strip shall be housed in a UV-resistant silicone/PVC jacket providing IP65 ingress protection and shall be suitable for continuous outdoor use. It shall provide a minimum luminous efficacy of ≥ 100 lm/W, PF ≥ 0.90 , THD $\leq 10\%$, CRI ≥ 80 , CCT 3000 K/4000 K/5700 K (as specified), and a minimum rated life of 50,000 hours (L70). The strip shall be supplied complete with power cord, end caps, connectors, mounting clips, fixing accessories, and all necessary hardware for a complete installation. Where specified, the strip shall be installed in an anodized aluminium profile with opal diffuser. The luminaire shall comply with IS 16102 (Part 2), IS 16103 (Part 1), IS 16108, and IEC 60598 standards and shall be supplied with a minimum 5-year manufacturer's warranty. The rate shall include complete driver, installation, wiring, testing, and commissioning, complete in all respects as approved	Mtr	600.00				
35.11.13	Supply, installation, testing, and commissioning of 10 W LED Pendant Light suitable for decorative outdoor lighting applications, operating on 110–270 V AC, 50 Hz, with die-cast aluminium housing, powder-coated finish, UV-stabilized polycarbonate diffuser, minimum IP65 protection, integral flicker-free constant-current LED driver, luminous efficacy ≥ 100 lm/W, PF ≥ 0.90 , THD $\leq 10\%$, CRI ≥ 80 , CCT 3000 K/4000 K/5700 K (as specified), rated life of 50,000 hours (L70), complete with suspension kit, mounting accessories, wiring, testing, and commissioning, conforming to IS 16102 (Part 2), IS 16103 (Part 1), IS 16108, and IEC 60598, with a minimum 5-year manufacturer's warranty, complete as approved by the Engineer-in-Charge.	Nos.	15.00				



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35.11.14	Supply, installation, testing and commissioning of 1.2 m long LED Profile Light comprising a premium-grade UV-stabilized rigid PVC profile with high-transmittance opal polycarbonate diffuser for continuous glare-free illumination, suitable for indoor and outdoor ceiling and decorative lighting applications. The profile light shall have a rated power of 25 W per metre, suitable for operation on 110–270 V AC, 50 Hz, complete with high-efficiency LED module, integral non-dimmable constant current LED driver, and all necessary accessories. The luminaire shall have a system luminous efficacy of not less than 100 lm/W, power factor ≥ 0.90 , THD $< 10\%$, CRI ≥ 80 , CCT 4000 K - 6500 K (as specified by the Engineer), IP65 minimum, IK08 impact protection, minimum 4 kV SPD, and a minimum rated life of 50,000 burning hours (L70). The profile shall be complete with end caps, mounting clips/brackets, stainless steel fasteners, waterproof connectors, cable glands, power feed cable, internal wiring, fixing accessories and all necessary hardware for complete installation. The luminaire shall comply with IS 16102 (Part 2), IS 16103 (Part 1), IS 16108, relevant IEC 60598 standards, and shall be	Mtr	100.00				
35.11.15	Supply, installation, testing, and commissioning of Outdoor Feeder Panel Board, IP66 rated, fabricated from minimum 2 mm thick CRCA sheet steel, powder-coated (50–60 microns), complete with gasketed double-door enclosure, vermin-proof and weather-proof construction, internal copper bus bars (phase, neutral, earth), incoming/outgoing MCB/MCCB as per single-line diagram, cable glands, earthing terminals, and all necessary accessories. The panel shall comply with relevant IEC/IS standards including IEC 60529 (IP66), IS 8623/IEC 61439 for LV switchgear assemblies, fully wired and ready for outdoor lighting system operation. All MCB, contactor and RCCB are Make of CHINT, Siemens, L&T, ABB. Incomer: 32 Amp 4P MCB – 1 no. Outgoing: 32 Amp 4P Contactor – 1 no Selector switch scope for auto and manual mode – 1 no Astronomical Timer Switch – 1 no DP RCCB 30 mA – 3 No. 6 A-10A MCB – 18 No.	Set	3.00				
35.11.16	Supply, installation, Testing and Commissioning of telephone point wiring from telephone junction box to individual point with 2 pair drop wire (0.5mm copper wire) through 20 mm internal dia PVC conduit concealed as per drawing and specification	Pts.	5.00				
35.11.17	Supply, installation, Testing and Commissioning of RJ 11 with GI box. as per Technical Specifications.	Nos.	5.00				
35.11.18	Supply, installation, Testing and Commissioning of telephone junction box(TJB) made of 18 swg ms sheet cubical, concealed type with enamel paint complete with 4 IDC connector as per drawing and specification	Nos.	1.00				
35.11.19	Supply, installation, Testing and Commissioning of 10 Pair Cable Wire (10X2X0.45) mm Heavy through Rigid PVC Pipe.	R.m.	190.00				
35.11.20	Supply, installation, Testing and Commissioning of 2/20 Drop Wire.	R.m.	100.00				
35.11.21	8-32 Lines EPABX	Nos.	1.00				
35.11.22	Supply, installation, testing, and commissioning of CAT6 A Cable with PVC conduit with complete accessories.	R.m.	300.00				
35.11.23	Supply, installation, testing, and commissioning of 16-Port Gigabit Ethernet Unmanaged Switch. make of Dahua, Hikvision, TP-Link, Planet eye and equivalent.	Nos.	1.00				



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35.11.24	8-Port Gigabit Ethernet Unmanaged Switch. make of Dahua, Hikvision, TP-Link, Planet eye and equivalent.	Nos.	2.00				
35.11.25	Supply, installation, testing, and commissioning of RJ45 Data Outlet complete with Category 6A RJ45 Keystone Jack, modular face plate, and flush/surface-mounted junction box, suitable for structured cabling systems. The outlet shall comply with ANSI/TIA-568.2-D and ISO/IEC 11801 standards and support data transmission up to 10 Gbps (for Cat 6A). The face plate shall be high-impact, flame-retardant polycarbonate with shuttered modular outlet, label window, and mounting accessories. The junction box shall be heavy-duty PVC or galvanized steel as specified, complete with fixing screws, terminal arrangement, and all necessary accessories. The rate shall include termination, labeling, testing for continuity and performance, installation, and commissioning, complete in all respects as approved by the Engineer-in-Charge.	Nos.	10.00				
35.11.26	Supply, installation, testing, and commissioning of 400 V, 3-Phase, 4-Wire Electronic Energy Meter suitable for operation on 415 V AC, 50 Hz, complete with IP65 weatherproof polycarbonate meter enclosure for indoor/outdoor installation. The energy meter shall be CT-operated or direct-connected (as specified), Class 1.0 accuracy or better, capable of measuring kWh, kVAh, kW, kVA, Voltage, Current, Power Factor, Frequency, and Maximum Demand, with LCD display, tamper detection, and non-volatile memory. The meter shall support RS-485 communication with Modbus RTU protocol (where specified) and shall comply with the latest utility metering requirements. The IP65 enclosure shall be UV-stabilized, impact-resistant, lockable, and complete with transparent cover, gland plate, cable glands, terminal shrouds, DIN rail (where required), and all necessary mounting accessories. The item shall include incoming and outgoing terminations, wiring, lugs, ferrules, identification labels, earthing, testing, calibration (where required), and commissioning. The energy meter shall comply with IS 13779 / IS 14697 / IS 15959 (as applicable), IEC 62052, IEC 62053, and relevant IEC	Set	1.00				
35.11.27	95 SQMM 3 Core 11 KV HT XLPE Aluminium Armored Cable.	Rm	65.00				
35.11.28	Supply, delivery, installation, testing, and commissioning of a 50 kVA, 11 kV/400 V, 3-phase, 50 Hz distribution transformer with ONAN (Oil Natural Air Natural) cooling system. The transformer shall be copper wound with high-grade electrical steel core. The transformer shall be fully insulated with mineral transformer oil complying with IS 335 / IEC 60296 standards for dielectric strength and thermal performance. The unit shall conform to relevant international standards including IEC 60076 series and IS 1180, and shall include bushings, conservator tank, breather, pressure relief device, and all necessary accessories for safe and reliable operation. The supply shall include oil filling, factory testing certificates, transport, and onsite commissioning.	set	1.00				



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35.11.29	a. 2 nos. 11 mtr pole with H and V chanel with vertical support b. Metering unit Tower set with Lighting arrestor and drop-out fuse channels - 1 set c. 9 kV 3 pole Lighting arrestor - 1 set d. 11 kV pin Insulator e. 11 kV disc insulator f. 11 kV 3-pole DO fuse g. XLPE cable head joint kit - 1 set h. Earthing set - 3 set i. 4" dia. GI Pipe - 1 set j. Different size cable socket, nut bolts and other small materials -1 set k. 30/5 or 25/5 metering unit - 1 set l. TOD Meter - 1 set m. TOD Meter Box - 1 set n. i U/V O/V O/L OT Trip Relay WT Trip Relay Over Load (Alarm) Relay	set	1.00				
35.11.30	Supply, installation, testing & commissioning of UL Listed Maintenance Free Copper coated Earth rod of 3 mtr. length having the dia. of 25 mm with copper coating thickness of 250 microns. The rod has been tested for Dimension, Marking, Tensile Strength, Salt mist, coating thickness, Electrical resistivity test before and after corrosion test as per IEC 62561-2 & UL 467.	Nos.	5.00				
35.11.31	Supply, installation, testing & commissioning of earth enhancing mineral compound tested for leaching and TCLP with NABL accredited Lab as per IEC 62561. (25 kg per bag)	bag	5.00				
35.11.32	Supply, installation, testing & commissioning of make Heavy duty Chamber Inspection Pit made up of plastic material.	Nos.	5.00				
35.11.33	Supply, installation, testing & commissioning of Universal Clamp made up of stainless steel for terminating cable / flat conductor.	Nos.	10.00				
35.11.34	25x3 mm Copper Strip	R.m.	110.00				
35.11.35	8 SWG Cu Wire	R.m.	2000.00				
35.11.36	10 SWG Cu wire	R.m.	300.00				
35.11.37	20 mm dia. FRLS uPVC Conduit	R.m.	2300.00				



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E	Furniture Works						
36.1	Customer Service Desk/CSD(RT): Fabrication and installation of Customer Care Desk: made up of 19 mm approved brand ply board, postforming top, grainite top, Italian marble/Onex at at front of desk, toughened glass, 1mm Greenlam/Merinalam/centurylam or equivalent formica finish in all inner and outer part, chapra police in side, Sallo wood liping, best quality hardware and all complete acommercial ply for both vertical and horizontal supports and finished with 1mm thick laminates to be applied with Fevicol adhesive. The desk shall be provided with a portable Drawer with S. S. locks and handles on all shutters, a Laminated Wooden Keyboard Trey, and a metal slider CPU holder. There shall be high quality S. S. locks and handles on all drawers, heavy duty runners on all shutters. It should have a 12mm thick sisham wood edging finished with high quality melamine paint. All the interior surfaces shall be finished in high quality french polish (at least three coats) The dimension of the furniture shall be verified at site. Furniture all complete as per drawing, specification and direction of site Engineer. (Ply: Surya/Sagun and Greenply). (Size :-3745x900x900)	Sq.m	20.96				
36.2	Teller Counter(TC): Fabrication and installation of Teller Counters made up of 19mm commercial ply on both vertical and horizontal supports. postforming top, Top of the teller shall be high quality and polished 19mm jet Black Granite, Italian marble/Onex at at front of Desk, toughened glass. The teller shall be finished with 1mm Greenlam Laminates to be applied with Fevicol adhesive in all inner and outer surface. The each of the teller shall be provided with a fixed Drawer with S. S. locks and handles on all shutters, a Laminated Wooden Keyboard Trey, and a metal slider CPU holder. Each of the first drawers shall have partitions to hold cash of different denominations. There shall be high quality S. S. locks and handles on all drawers, heavy duty runners on all shutters. It should have a 12mm thick sisham wood edging finished with high quality melamine paint. All the interior surfaces shall be finished in high quality french polish (at least three coats) The dimension of the furniture shall be verified at site. Furniture all complete as per drawing, specification and direction of site Engineer. (Size :-6030x620x1300)	Sq.m	6.94				
36.3	Staff Desk(T1):Supply and Installation of wooden modular Desk for staff made up of 25-75mm thk. postforming top, 19mm commercial ply for both vertical and horizontal supports with 1mm thick laminates; a Portable CPU holder, a portable Drawers; 12mm edge polished frosted glass on top held , clear rubber buffer below the glasses. It shall have a Portable metal CPU holder, a Metal Keyboard Trey . There shall be high quality S. S. locks and handles on all drawers, heavy duty runners on all Drawers. It should have a 12mm thick sisham wood edging finished with high quality French Polish. All the interior surfaces shall be finished in high quality french polish (at least five coats over sand finished wooden surface.) The dimension of the furniture shall be verified at site. Furniture all complete as per drawing, specification/schedule of finishes and direction of Architect. (Size :-1450x750x750)	No	2.00				
36.4	<i>Filing Cabinet: Supply and Installation of storage racks of dimensions stated below, made up of 25mm thk. postforming top, 19mm commercial Ply for all vertical and horizontal supports and finished with with 1mm thick laminates to be applied with white adhesive in all inner and outer surface. There shall be high quality S. S. locks and handles on all shutters, heavy duty runners on all shutters. Shutter shall be hold with autohinge. It should have a 12mm thick sisham wood edging finished with high quality French Polish. All the interior surfaces shall be finished in high quality french polish all complete as per drawing, specification/schedule of finishes and direction of Engineer.</i>						
36.5	Full Height Cabinet(FC) with lockable door shutter	Sq.m	6.00				



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36.6	Store open cabinet(S1)(Depth 400mm depth)	Sq.m	30.00				
36.7	Staff/Meeting chair(RC1): Provide Staff Chairs: revolving, adjustable height, Black PU cover with internal foam, stainless steel legs, all complete as approved and specification/schedule of finishes and direction of Engineer.	No	4.00				
36.8	Planter Box(V1): Supply and fabrication of wooden modular planter box made with 19mm plywood, 1mm laminates finish at outer surface, 2mm aluminum sheet pasted at inner surface as per design all complete as per instruction of Engineer.	No	15.00				
36.9	Voucher Desk(FS): Supply and fabrication of wooden modular voucher desk made with 19mm plywood, 1mm laminates at all inner and outer surface, 19mm postforming top, voucher stand at top, different color and pattern design of glossy/matt laminates design, salves and draweer as per design all complete as per instruction of Engineer. (Size:324x324x1320)	No	2.00				
36.1	Helmet rack(HR): Supply and fabrication of wooden modular helmet cabinet made with 19mm plywood, 1mm laminates at all inner and outer surface, 19mm postforming top,different color and pattern design of glossy/matt laminates design, salves as per design all complete as per instruction of Engineer. (Size:3000x500x1020)	No	5.00				
36.11	Guard chair: Provide guard Chairs: SS Legs, Black PU cover with internal foam, all complete as per approval and drawing, specification/schedule of finishes and direction of Engineer.	No	4.00				
36.12	Guard Table(1200x750): Supply and Installation of wooden modular guard table made up of 25-75mm thk. postforming top, 19mm commercial ply for both vertical and horizontal supports with 1mm thick laminates; a Portable CPU holder, a portable Drawers; 12mm edge polished frosted glass on top held, clear rubber buffer below the glasses. It shall have a Portable metal CPU holder, a Metal Keyboard Trey. There shall be high quality S. S. locks and handles on all drawers, heavy duty runners on all Drawers. It should have a 12mm thick sisham wood edging finished with high quality French Polish. All the interior surfaces shall be finished in high quality french polish (at least five coats over sand finished wooden surface.) The dimension of the furniture shall be verified at site. Furniture all complete as per drawing, specification/schedule of finishes and direction of Architect.	No	4.00				
36.13	Providing and fixing 3-seater SS waiting chair made of SS 304 grade with perforated seat and backrest, tubular frame, armrests, support legs, and all necessary fittings, complete as per specifications and the direction of the Engineer.3 seater(3S)	No	2.00				
F	Deep Tube Well and Outer Water Supply System						
37.1	Mobilization/Demobilization of Drilling Equipment, Manpower & preparation for temporary access road for rig machine & other vehicles for the tubewell drilling site	Job	1.00				
37.2	Site Clearance Cutting uprooting & disposal of grass, with light compaction levelling, cleaning the site, Plate form preparation for rig, compressor & pump, and mud pits	Job	1.00				
37.3	Supply and Delivery of 150 mm (6") MS Casing Pipe (Heavy Duty) of min. 6 mm (± 10%) thickness with Ring as per specification	mtr	96.00				
37.4	Supply and Delivery of 150 mm (6") MS Slotted Screen with ring as per specification	mtr	24.00				
37.5	Well cap with flange (6" Ø) and nut bolts	set	1.00				
37.6	Centralizer	LS	2.00				
37.7	Crossbar	mtr	6.00				
37.8	Sinking Guide pipe 24" dia all complete	mtr	6.00				
37.9	Drilling of pilot hole by 9*7/8" dia. Drilling Bit	mtr	120.00				
37.1	Electrical Resistivity Logging, Plotting and Design	mtr	120.00				



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37.11	Reaming of Pilot hole by 13*1/2 " dia. Drilling Bit	mtr	120.00				
37.12	Recondition of bore hole	mtr	120.00				
37.13	Lowering of Pipe Assembly as per Approved Design	mtr	120.00				
37.14	Supply of gravel as per specification	m3	10.00				
37.15	Washing and Packing of gravel as per specification	m	10.00				
37.16	Well Development by Backwashing, Inner washing, Compressor/Surging/Jetting etc. as per the instruction of Expert	Hr	48.00				
37.17	Well Development by Pump	Hr	48.00				
37.18	Pump Test (Time-Drawdown Test)	Hr	24.00				
37.19	Recovery Test	Hr	24.00				
37.2	Pump Test (Step Drawdown test)	Hr	24.00				
37.21	Cementation for Sanitary Protection & Well Support Work (up to 3m depth) by Concrete of M-20 Grade with pipe or iron bar as required and (below 3m) by clay packing with all complete	LS	1.00				
G	Boring and Outer Water supply						
38.1	Supplying, laying, jointing, excavating, and backfilling of pipes of (PE100 PN10) different sizes for Main/Distribution pipe networks all complete as per drawing, specification and instruction of engineer						
38.1.1	50 mm dia	rm	80.00				
38.1.2	25 mm dia	rm	500.00				
38.2	Procurement, supply, installation, and testing of four 50 LPH semi-commercial RO plants featuring multi-stage filtration (Sediment, Carbon, RO, and UV) and four 155-liter, three-tap storage water coolers equipped with SS 304 inner tanks and tropicalised compressors. This complete system integration also includes four 1000-liter HDPE raw water tanks, heavy metal tank stands, all necessary pipeline works, all complete as per satisfaction to the Engineer	L.S.	1.00				
38.2.1	Pipe Fittings Works	L.S.	1.00				
38.2.2	Supply and installation of 1 HP motor pump for distribution system	nos	2.00				
H	Day Works						
39.1	Skilled labour (Mason, Carpenter, Mechanics etc.)	person day	250.00				
39.2	General labour (Unskilled, helpers, assistant operators etc.)	person day	500.00				
39.3	Materials including Loading/Unloading and Transportation						
39.4	Hume Pipe NP3 600 mm dia	m	100.00				
39.5	Hume Pipe NP3 300 mm dia	m	100.00				
39.6	Hume Pipe NP3 900 mm dia	m	100.00				
39.7	Stone	cum	30.00				
39.8	Gravel	cum	500.00				
39.9	Bricks	nos	15000.00				
39.10	Cement	ton	15.00				
39.11	Sand	cum	150.00				
39.12	Interlocking Block	sqm	500.00				
39.13	Mechanically woven heavily zinc coated, double twisted hexagonal mesh type gabion box including binding wire and stone/boulder	cum	50.00				
39.14	Manure/Fertilizer	Kg	100.00				
39.15	Paint (Emulsion/Enamels etc.)	Ltr	20.00				
39.16	Plants (Above 1.5m high)	Nos	80.00				
39.17	Plants (others)	Nos	50.00				



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39.18	Equipment Hire Rates including all fuel and charge of Crews						
39.19	Tipper Truck (4-6 ton capacity)	hr	70.00				
39.20	Wheel Loader (1.8 cum capacity)	hr	40.00				
39.21	Excavator (150 hp)	hr	100.00				
39.22	Water Browser	hr	20.00				
39.23	Concrete Mixer	hr	20.00				
	Sub-Total Ex PS						
	Value Added Tax (VAT) (13%) Without PS Amount						
	Provisional Sum Amount					85,380,000.00	
	Total with VAT					85,380,000.00	