

# **Bid Addendum Report**

## **Madan Bhandari University of Science and Technology**

Madan Bhandari University of Science and Technology  
Chitlang ,Thaha Municipality , Ward -9  
Thaha, Makwanpur  
Bagmati Province  
Nepal

**Addendum No: 2**

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**Invitation No: MBUST/W/NCB-02/2080/81**

**Dated On: 13-06-2024 10:00**

Following changes are made in the bid document

Chapter: General Information

Sl. No.	Relavant Clause No / Name	Existing Clause	Modified Clause
1	Clarification Submission Date	2024-06-26 10:00:00	2024-07-08 10:00:00
2	Authorised Representatives Address	Saibu, bhaisepati Lalitpur Bagmati Province	Chitlang ,Thaha Municipality , Ward -9 Makwanpur Bagmati Province

## Chapter: Bill of Quantities

1 Provisional Sum						
Procument Item Details						
SL. No	Item Description	Unit	Quantity	Unit Rate(in NPR)	Amount(in NPR)	
1	Provide Contractor's All Risk policy insurance for the loss of damage to works, plant, material, equipment, property and personnel injury or death as per specification and instructions of approved engineer all complete.	P.S	1	1700000	1700000	
2 Construction work						
Procument Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	Provide, erect and maintain project site notice board (2mx2m) with metal frame, posts and necessary accessories up to the completion of the project as per specifications and instructions of the engineer all complete.	No	2.0			
2	Supplying and laying temporary fencing of CGI sheet (0.41mm thick) 2450mm height around the construction area including 50mm dia. MS vertical pipes placed at 1000 mm c/c and 25 mm dia MS pipes horizontal pipes placed at 1000 mm c/c with two gates for entry and exit to avoid trespassers as per drawings, specifications and instructions of site engineer all complete.	Sq.m	1059.0			
3	Supplying and laying safety net for preventing accidental fall of people or objects from the site which can be installed both horizontally or vertically according to the requirements along with framework support for netting and other necessary accessories/items around the constructing building as per specification and instructions of site engineer all complete.	Job	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
4	Provide and maintain the continuous site surveillance with provision of all time colour IP based camera 4 in number (light blink while movement at night), colour 2MP CCTV (Hikvision or Eq.), 4ch ENVR, 8 port 10/100 Poe Switch, Cabling with CAT 6 Cable etc for day to day photographic and videographic record including desktop and other accessories as per specification and instructions of site engineer all complete. (Access to the CCTV shall be provided to the Client and Consultant.)	set	1.0			
5	Provide, operate, maintain and ensure Quality Control Laboratory at site including all necessary equipment, accessories and consumables with manpower for Concrete Test (Cubes or cylinder crushing Test), Brick Test (Brick Crushing Strength Test, Water Absorption Test, Efflorescence Test) and Sieve Analysis as per specification and approval of engineer up to the completion of the project.	Job	1.0			
6	Provide as Built Drawing of project (Architectural, Structural, electrical, sanitary and building services) in 1:100 scale 5 sets hard copy including digital copy as per the approval of the engineer upto the completion of project all complete.	Job	1.0			
7	Supplying and providing all the safety equipments like helmets, boots, gloves, safety wears, jackets, goggles, masks etc to the engineers, site supervisors, workers, labors, visitors, official personels and all the people involved in the construction upto the completion of the constructions as per specification and instructions of site engineer all complete.	LS	1.0			
8	Provision for Manpower required for shifting materials at site as per instruction of site engineer.	person	35.0			
9	Provision for Excavator including operator and fuel charges required for shifting materials at site as per instruction of site engineer.	hrs	35.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
10	Demolishment of existing Structure Syanth Ghar and Trout farming pond including disposal of all debris outside the site premises as required for site clearance all complete and in accordance with the drawing and instruction of the site engineer.	Job	1.0			
11	Clearing the required area of the Site of all the top soil, vegetation, roots and other unuseful materials including leveling, removing bushes, trees; stacking the useful items in specified space and disposing other items as per drawing, specifications and instruction of site engineer all complete.	Sq.m	8110.0			
12	Hydraulic Excavation in any kind of soils at all levels for all types of structures, including shoring, strutting, pumping and bailing out water, de-watering if any so as to keep foundations in dry condition at any stage of work, drain the water away from the site through sub drain and connecting into main drain, stacking the excavated earth at proper place near site for refill using mechanical means as per drawing, specifications and instruction of site engineer all complete.	Cu.m	3759.0			
13	Earthwork in excavation in all types of soil manually including timbering and shoring as per design, drawing, specification and instruction of site Engineer all complete.	Cu.m	848.0			
14	Filling of excavated earthwork in layers of 150mm with sprinkling water and compaction in foundation, flower bed, steps etc as per drawing, specification and instruction of site Engineer all complete.	Cu.m	1722.0			
15	Disposal works of excessive excavated soil outside from site area including labour and transportation all complete as per specification and instruction of site Engineer all complete.	Cu.m	2658.0			
16	Supplying and laying Chimney made Dry Flat Brick Soling in perfect line and level with sand filling in joints as per drawing, specification and instruction of site Engineer all complete.	Sq.m	5395.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
17	Stone filling works in foundation with supplying of approved quality of stone laying, ramming and levelling as per design, drawing, specification and instruction of site engineer all complete.	Cu.m	17.0			
18	Brick bats filling works in line and level including filling in the joints with sand as per drawing, specification and instruction of site Engineer all complete.	Cu.m	62.0			
19	Providing pre-constructional anti- termite treatment and creating a chemical barrier to the building by injecting chemical emulsion of required concentrations under foundations, around the footings, column pits, trenches, wall trenches, back fill etc.as per instructions of chemical manufacturer all complete. The treatment shall be carried out strictly in accordance with the technical specification and conforming to IS 6313 or equivalent BS specification. Note: Measurement shall be in square meter of applied surface of excavated area of the building (flat measurement only), inclusive of all labour and materials.	Sq.m	2843.0			
20	Plain Cement Concrete (PCC) in Foundation with cement, sand and crushed aggregate in 1:3:6 ratio including mixing, laying, curing and finishing all complete as per drawing, specification and instruction of site Engineer.	Cu.m	60.0			
21	Plain cement concrete (PCC) in Foundation with cement, sand and crushed aggregate in 1:2:4 ratio including Mixing, laying, curing and finishing all complete as per drawing, specification and instruction of site Engineer.	Cu.m	476.0			
22	Structural Concrete in any form,size, shape and level for all Reinforced Cement Concrete (R.C.C) works with cement, sand and crushed aggregate in Nominal mix 1:1.5:3 ratio (M20) including mixing, laying, compacting, finishing and curing all complete as per drawing, specification and instruction of site Engineer.	Cu.m	452.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
23	Providing and laying machine mixed plain cement concrete of following grades for all kinds of R.C.C. works in any form, size, shape and level with cement, sand and crushed coarse aggregates of 20 mm/ 13 mm gauge including setting out, mixing, compacting, curing, finishing and providing construction / expansion joints and providing and mixing admixtures of the approved make to achieve the required strength, as per specification, drawing and instruction of the Client/ Engineer, all complete. Note: Rate should include cost of carrying out mix design, admixtures and carrying out all necessary tests as per NBC/ IS code, all complete (M25 GRADE CONCRETE)	Cu.m	1229.0			
24	Providing, straightening, cleaning, cutting, fabricating, bending and placing TMT(Fe 500) for stirrups, ties and main reinforcement bars and binding the bars with 18 gauge annealed wire for tying them at each junction as per design and details for all types of R.C.C elements including all waste and cut pieces, provision for spacers, chairs, providing and placing cement mortar (1:1) cover blocks to keep the bars in the intended position at all levels as per drawing, specification, instruction and approval of engineer all complete.	Kg	260433.0			
25	Centering and shuttering with approved 19mm waterproofing plywood for all R.C.C.works of any shape size and at any level with necessary propping scaffolding, staging supporting, cutting holes for utilization works and removal of formwork and lead upto 30 m etc as per drawing, specification, instruction and approval of engineer all complete. (For Column)	Sq.m	1921.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
26	Centering and shuttering with approved 12mm waterproofing plywood for all R.C.C.works of any shape size and at any level with necessary propping scaffolding, staging supporting, cutting holes for utilization works and removal of formwork and lead upto 30 m etc as per drawing, specification, instruction and approval of engineer all complete. (For Beam)	Sq.m	2596.0			
27	Centering and shuttering with approved 12mm waterproofing plywood for all R.C.C.works of any shape size and at any level with necessary propping scaffolding, staging supporting, cutting holes for utilization works and removal of formwork and lead upto 30 m etc as per drawing, specification, instruction and approval of engineer all complete. (For Slab)	Sq.m	8141.0			
28	Chimney made brick work upto Ground Floor: Brick masonry work in (1:4) cement sand mortar upto ground floor with approved quality first class chimney made bricks in perfect line and level including wetting the bricks ,packing the joints and curing , with necessary scaffolding work ,including supplying of all materials , labour, lead and lift, Work all complete as per design, drawing, specification and approval of site Engineer.	Cu.m	606.0			
29	Chimney made brick work above Ground Floor: Brick masonry work in (1:4) cement sand mortar above ground floor with approved quality first class chimney made bricks in perfect line and level including wetting the bricks ,packing the joints and curing , with necessary scaffolding work ,including supplying of all materials , labour, lead and lift, Work all complete as per design, drawing, specification and approval of site Engineer.	Cu.m	406.0			



Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
30	Fairface bricks upto ground floor: Brick masonry work in (1:4) cement sand mortar upto ground floor with approved quality first class chimney made bricks in perfect line and level including wetting the bricks, packing the joints and curing with necessary scaffolding work, including supplying of all materials, labour, lead and lift work as per design, drawings, specifications and instructions of the site engineer all complete works.	Cu.m	192.0			
31	Fair face bricks above Ground floor: Brick masonry work in (1:4) cement sand mortar above ground floor with approved quality first class chimney made bricks in perfect line and level including wetting the bricks, packing the joints and curing, with necessary scaffolding work, including supplying of all materials, labour, lead and lift work as per design, drawings, specifications and instructions of the site engineer all complete works.	Cu.m	219.0			
32	Supplying and laying recessed pointing works with (1:1) cement sand mortar on fairface brick wall surfaces of good finish including cleaning and wetting the surface and curing the work all complete as per specification and approval of site Engineer	Sq.m	1909.0			
33	Stone masonry work in (1:6) cement sand mortar with approved quality stone upto ground floor in perfect line and level including wetting the stone, packing the joints and curing, with necessary scaffolding work, including supplying of all materials, labour, lead and lift work as per design, drawings, specifications and instructions of the site engineer all complete.	cum	612.0			
34	Supplying and laying pointing works with (1:1) cement sand mortar on stone masonry wall surfaces of good finish including cleaning and wetting the surface and curing the work all complete as per specification and approval of site Engineer	Sq.m	757.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
35	Providing and fixing of Toilet Cubicle partition system is made of HPL compact laminate board with quality hardware's in stainless steel (SS)-304, grade, 12 mm thick. Product will be certified for GREEN GUARD as per UL2818-2013 standard, reaction to fire shall be as per EN 438-7:2005, fire reaction classification: CLASS B-s1d0, Resistance to stain. Made of decorative kraft paper impregnated with fire proof melamine resin, Tested by UNE-ENISCO-11925-2:2011, UNE-EN1823:2012+A1:2013, size of cubicle partition would be 1.5mtr x 1mtr x 1.8 mtr height with the Door size of 0.6 mtr x 1.8mtr, Stylam or equivalent.	Set	9.0			
36	Urinal Partition is made of HPL compact laminate board with quality hardware's in stainless steel(SS) -304, grade, 12mm thick. Product will be certified for GREEN GUARD as per UL28182013 standard, reaction to fire shall be as per EN 438-7: 2005, fire reaction classification: CLASS B-s1d0, Resistance to stain. Made of decorative Kraft paper impregnated with fire proof melamine resin, tested by UNEENISO-11925-2:2011, UNE-EN1823:2012+A1:2013, size of urinal partition would be 1.5mtr x 1mtr x 1.8mtr height with the door size of 0.6mtr x 1.8mtr, Stylam or equivalent. Length 900mm , Breadth: 400mm	Pcs	3.0			
37	Aluminium Double Glazed Sliding Windows:Providing and fixing double glazed sliding window with white color section size-101x45x1.5mm frame , Double Glazed Glass 21mm thick (5mm toughened glass +11mm Gap filled with argon gas+5mm toughened glass) with mosquito net,Roller, Lock, Silicone and all other necessary hardwares all complete as per design, drawing, specification and approval of site Engineer.	Sq.m	291.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
38	Providing and fixing 2 or 3 Panel Sliding window of aluminium section in naturally anodized or black anodized/powder coated color, Section size (101.6*41.5 mm) fitted with 5 mm clear glass with fly mesh shutter of stainless steel fly mesh including all fittings handle/kabja/brass/lock etc. as per design, drawings, specifications and instructions of the site engineer all complete.	Sq.m	9.0			
39	Providing and fixing Structural Glazing of aluminum section in white anodized/powder coated color of section size (60x75+13x1.6 mm) thk Aluminum Bar, fitted with 5 mm thick toughened colored glass including all the necessary hardware, fittings and accessories all complete as per design, drawing, specifications and instruction of Site engineer. (average panel area 6.00 Sq.ft.)	Sq.m	13.0			
40	Providing and fixing Double Panel Casement (Hinged) door of aluminium section in natural or color anodized/powder coated color section size (102x45x1.5 mm) fitted with 5 mm clear/coloured glass or 9 mm both side laminated board (including the cost of handle and door closer) as per drawings, specification and approval of site engineer all complete.	Sq.m	29.0			
41	Aluminium Sliding Door: Providing and fixing double glazed sliding door white color section size-101x45x1.5mm frame , Double Glazed Glass 21mm thick (5mm clear toughened glass +11mm Gap filled with argon gas+5mm clear toughened glass) with mosquito net,Roller, Lock, Silicone and all other necessary hardware as per design, drawing, specification and approval of site Engineer all complete.	Sq.m	87.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
42	Salwood Chaukhat frame works for doors and windows as approved by site incharge such that the timber used must be first class kiln seasoned and preservative treated sal wood, to shape and profile as shown in the drawings with mitred joints including providing and fixing necessary MS hold fasts ( 20 X 6 mm) 300 mm long, 3 nos at each side, and concrete (1:2:4) block grouting for fixing the holdfast and anchor fasteners/ coach screws Frames must be erected in absolute plumb and level as per design, drawings, specifications and instructions of the site engineer all complete.	Cu.m	5.16			
43	Providing and fixing non fire rated wooden door a BB 4330, 5 Knuckle, 2 Ball bearing butt hinges size 4" x 3" x 3mm, in SS 304 and in SSS finish, Pure 8100 Type 3 Package with Pair of Antimicrobial with Master Key System with Pure series lever handle Pure 8906 / 8100 /8998 Lever Handle on Roses and escutcheons 7122. Including 271 Sash lock with 78mm CTC, 55mm Backset 20mm Square for end, floor stop half dome with 45mm dia door will be 40 mm thick Single leaf solid core and resin bound FLUSH DOOR SHUTTERS, confirming to IS . 1659 - 1960 and 2202 part I - 1962 as modified unto date BOTH SIDE TEAK veneering factory pressed teakwood lipping along with proper finished chapra polish minimum 3 coats as per specification and design around the shutters and fixed to existing frame and as specified including cost of materials as per design, drawings, specifications and instructions of the site engineer all complete. Equivalent Hardware Brand : Dormakaba / Navair / Sumai	Sq.m	256.0			
44	Providing and fixing 5mm thick Glass in wooden frame with wooden listi works with all the required accessories as per design, drawings, specifications and instructions of the site engineer all complete.	Sq.m	3.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
45	<p>Supply and fixing of Slim Glass partition with glass door of 10mm Saint Gobain Clear Toughened Glass or eqv. using Alterra System-27 Black Color Anodized Frames to a height of maximum 3mtr or as per drawing. The Fixed glass to be fixed using alterra ALT 27 slim frame Profiles at Top and Bottom and ALT27 OHP at sides. The profile size to be 27x30MM to be fixed on to the floor/wall/ ceiling as per the architect design. H Junction profile to be used at all Glass to Glass vertical joints, 90 Deg L Junction Profiles and T Junction profiles necessary as per design. In case of Glass overall panel Alexa MP45 and BP45 Overpanel Profile to be used. In case of Open glass edges EP45 End Profile to be used with Sound Reduction Upto 30 dB, Internal Wind Load to Consider (relative to Max system height) 200 N/M2, Max Glass Deflection to Consider (relative to Max system height) L/200 The alterra profiles shall be suitable for Glass thickness of 10mm. The Profile shall be matt natural anodized, the Profile Manufacturer to supply all the necessary clips, seals and fixing accessories for the system. All Profiles to be with 2 mm Gauge thickness Excluding 20 Micron of Anodizing. Equivalent Hardware Brand : Dormakaba / Sumai / Tostem.</p>	Sqm	17.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
46	Supply and Fixing of Slim Glass partition of 10mm Saint Gobain Clear Toughened Glass or Eqv. using Alterra System-27mm Black Anodized Frames to a height of maximum 3m or as per drawing.The Fixed glass to be fixed using ALT27 BP45 Profiles or equivalent at Top and Bottom and Alterra SP45 at sides. The profile size to be 27x25MM to be fixed on to the floor/wall/ ceiling as per the architect design. H Junction profile or equivalent to be used at all Glass to Glass vertical joints, 90 Deg L Junction Profiles and T Junction profiles necessary as per design.In case of Glass overall panel Alterra MP45 and BP45 Overpanel Profile to be used.In case of Open glass edges EP45 End Profile to be used with Sound Reduction Upto 36 dB, Internal Wind Load to Consider (relative to Max system height) 200 N/M2, Max Glass Deflection to Consider (relative to Max system height) L/200. The alterra anodized profiles shall be suitable for Glass thickness of 10mm.The Profile shall be matt natural anodized or as instructed by the engineer, the Profile Manufacturer to supply all the necessary clips, seals and fixing accessories for the system. All Profiles to be with 2 mm Gauge thickness Excluding 20 Micron of Anodizing. Equivalent Hardware Brands : Dormakaba / Tostem / Alloy.	Sq.m	23.0			
47	Supply and fixing expansion joint for external vertical wall with Alumunium Plate of 3mm thick with feasible movement capacity, joint width 300mm, material 5052 grade alumunium, anodised finish with water barrier as per drawings, specifications, instruction and approval of Site Engineer all complete. (Spring Thunder or VSIL or Bituflex or equivalent)	Rm	68.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
48	Supply and fixing expansion joint for internal vertical wall and ceiling area with Alumunium Plate of 3mm thick with feasible movement capacity, joint width 300mm, material 5052 grade alumunium, anodised finish as per drawings, specifications, instruction and approval of Site Engineer all complete. (Spring Thunder or VSIL or Bituflex or equivalent)	Rm	102.0			
49	Supply and fixing expansion joint for horizontal floor expansion joint for slab (3mm thick galvanized steel) with feasible movement capacity, joint width 300mm, with water barrier as per drawings, specifications, instruction and approval of Site Engineer all complete. (Spring Thunder or VSIL or Bituflex or equivalent)	R.m	42.0			
50	Supply and fixing expansion joint for External horizontal Roof expansion joint with alumunium plate (3mm Thick) with feasible movement capacity, joint width 300mm, with water barrier and top seal gaskets for the center plate screw of the roof cover for the water tight transition as per drawings, specifications, instruction and approval of Site Engineer all complete. (Spring Thunder or VSIL or Bituflex or equivalent)	R.m	60.0			
51	Supplying and laying 12.5 mm thick cement plastering work with (1:3) cement sand mortar on Celing surfaces and beam of good finish including cleaning and wetting the surface and curing the work all complete as per specification and approval of site Engineer	Sq.m	990.0			
52	Supplying and laying 12.5 mm thick cement plastering work in (1:4) cement mortar on walls of good finish including cleaning and wetting the surface and curing the work all complete as per specification and approval of site Engineer	Sq.m	11070.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
53	Supplying and laying 20 mm thick cement plastering work in (1:4) cement mortar on sloped slab of good finish including cleaning and wetting the surface and curing the work all complete as per specification and approval of site Engineer	Sq.m	1386.0			
54	Providing and laying 2mm thick Plain White Putty on internal walls and ceiling surfaces with proper finishing , work all complete as per specification and approval of site Engineer.	Sq.m	9134.0			
55	Providing and laying 2mm thick Waterproof Plain White Putty on external surfaces with proper finishing , work all complete as per specification and approval of site Engineer.	Sq.m	1251.0			
56	Providing Drip Edge around the edge of all pojected slabs above ground floor as per drawing, specification and instructions of approved engineer all complete.	R.m	853.0			
57	Painting work with two coat plastic emulsion paint on inner wall and ceiling surfaces along with one coat of primer with approved colour as per design and proper finishing, work all complete as per specification and approval of site Engineer.	Sq.m	9186.0			
58	Supplying and Painting two coat weather proof paint (Apex or equivalent) with one coat primer on outer wall surfaces with approved colour and proper finishing , work all complete as per specification and approval of site Engineer.	Sq.m	2030.0			
59	Supplying and applying approved shade of Pierre De Beton Texture with one coat of polyunder primer, base coat of Hyperion or equivalent by trowel, coat of Hyperion or equivalent by Pierre De Beton tool , color coat of Antica wash by brush including form and top coat of Acropure or equivalent over the exterior plaster surface of any shape , size and height inculsive of surface preparation by providing puttying sanding surface , watering (if necessary) ,cleaning as per drawings , specifications and instructions of Site Engineer.	Sq.m	905.0			



Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
60	Two coats of Enamel paint over one coat of primer on wooden and mild steel works including railing with approved colour and proper finishing, work all complete as per specification and approval of site Engineer.	Sq.m	2869.0			
61	Supplying and laying 100 mm diameter high density polythene pipe (1.703 Avg. wt. kg/m) staggered at 1m c/c in retaining wall and wherever required all complete as per specification, instruction and drawing and approval of engineer.	R.m	502.0			
62	Supplying and laying Geotextile Membrane around the pipe of weep hole of Retaining wall as per design, drawings, specifications and instructions of the site engineer all complete.	Sq.m	35.0			
63	Providing and fixing of Soft Fiber Acoustical Suspended Ceiling System with beveled Tegular Edge board in white Color of (Armstrong/USG Boral/Lindber/Durlam/Equivalent). The board should have Noise Reduction Coefficient of 0.9, Humidity Resistance, Light Reflectance, Color White, Fire Performance UK Class 0 / Class 1 (BS 476 pt - 6 and 7) in module size of 600 x 600 x 15mm thick, suitable for Green Building application. The tile shall be laid on Suprafine 32 with 15 mm wide T - section flanges color white having rotary stitching on all T sections i.e. 3000 mm the Main Runner, 1200 mm and 600 mm Cross Tees with a web height of 32mm. The T Sections have a Galvanizing of 90 grams per M2 and need to be installed with Suspension system as per design, drawings, specification and instructions of the approved engineer all complete.	Sq.m	36.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
64	Supplying and laying of 12mm thick plain gypsum board false ceiling in GI frames works with perimeter channel (20X28X30) mm, Intermediate section (45X15X0.9)mm, Ceiling angle (25X10)mm, Soffit cleat 1.5mm thick including connecting clips, control joint, paper and fibre tape, dry wall screws, M-6 nuts and bolts, metal-to-metal screws, edge beads, angle beads, jointing compound, rawl plugs wherever required as per design, drawing, specification and instruction of the approved engineer all complete.	Sq.m	673.0			
65	Supplying and laying Metal finish false ceiling board which shall be fixed at all heights of size 600 x 600 mm of approved texture, design and pattern. The tiles should have durable, electrostatic factory applied polyester coil or power coated finish to meet or exceed EN 13964 and TIAM standards. The tile should have standard color i.e. Global white (12% gloss), Light Reflectance min. 80%, Fire Performance of ClassA2-s1.d0 as per EN13501 standard in true horizontal level suspended on interlocking T-Grid all round galvanized iron section of 0.33mm thick comprising of the tile shall be laid on Suprafine 32 with 15 mm wide T-section flanges color white having rotary stitching on all T sections i.e. the Main Runner, 1200 mm and 600 mm Cross Tees with a web height of 32mm and a load carrying capacity of 14 Kgs/M2 with a minimum pull out strength of 100 Kgs as per design, drawing, specification and instruction of the approved engineer all complete.	Sq.m	53.0			
66	Supplying and fixing of approved quality non-slip glazed vitrified tile on toilet, balcony, terrace etc (Somany, Kazaria or equivalent) on floor surfaces of size as per drawing and specification in 1:4 cement sand mortar with proper finish in perfect line and level works as per design, drawings, specifications and instructions of the site engineer all complete works.	Sq.m	636.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
67	Supplying and fixing of approved quality full body vitrified tile (Somany, Kazaria or equivalent) on floor surfaces of size as per drawing and specification in 1:4 cement sand mortar in perfect line and level works as per design, drawings, specifications and instructions of the site engineer all complete works.	Sq.m	177.0			
68	Supplying and fixing of approved quality Teliya tile on floor surfaces of size 200 x 200 mm as per drawing and specification in 1:4 cement sand mortar in perfect line and level works as per design, drawings, specifications and instructions of the site engineer all complete works.	Sq.m	1649.0			
69	Supplying and fixing of approved quality ceramic glazed wall tile (Somany, Kazaria or equivalent) of size as per drawing and specification on wall surfaces with boader in 1:4 cement sand mortar in perfect line and level work as per design, drawings, specifications and instructions of the site engineer all complete works.	Sq.m	1181.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
70	<p>Providing and laying approved quality Full Body Homogenous vetrified tiles on floor and skirting in 1:4 cement sand mortar in perfect line and level works of size as per architectural drawing with minimum thickness of 12 mm on staircase tread part with self embossed grooves, Bull nose finish, antiskid surface finish and 10mm thick tile on staircase riser, skirting and landing part. The joint gap shall be filled by epoxy grout or white cement or matching colour pigment. Tiles will have water absorption average of E &amp;#8804; 0.1%, breaking strength of min 2000N, straightness of sides 0.2%, modulus of rupture &amp;#8805; 40N/mm, non-scratch, surface flatness 0.2%, rectangularity 0.2%, resistance to deep abrasion &amp;#8804;150 mm, Scratch hardness (Mohs scale) min 6 to 7, cofficent of linerar thermal expansion &amp;#8804;7 x 10&amp;#8254&amp;#8310;/C&amp;#730;, resistance to acid and alkalis (for low concentration class LA (V) and for high concentrations class HA(V), and available in any colors, shades and pattern tiles as per ISO 13006:2012. All complete as per drawings, specification and instruction of engineer. Brands: Somany, Kajaria, prime or equivalent</p>	Sq.m	183.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
71	Providing and installing roofing shingles made with resilient, heavyweight fiberglass mat and reinforces the roofing shingles along with required accessories and fittings like roof starter, Ridge Cap Shingles, Screws, Sealent etc along with scaffolding. Their premium laminated fiberglass mat is saturated and stabilized with IKO or Equivalent SBS modified asphalt for exceptional flexibility in all types of weather, having tear strength of Min 1700g as per ASTM D1922; Stabilized bitumen weight Min 2000 g/m2 (lbs/100 ft2) as per ASTM D228; Fire rating of Class A as per ASTM E108 and a UL 2218/FM 4473 Class 4 Impact Resistance rating. It Includes up to 110 mph (177 km/h) Limited Wind Warranty, which constructed with one of the heaviest mats in the industry for their class. Cambridge or Equivalent series roofing shingles should have built-in algae-resistant granules. Including, the provision and fixing of IKO or Equivalent RoofGard/ Stormtite synthetic underlayment for giving total deck or Slab protection as per drawings, specification and instructions of the site incharge all complete.	sqm	1386.0			
72	Supplying and fixing of approved quality full body vitrified tile (Somany, Kazaria or equivalent) skirting of 100m height in 1:6 cement sand mortar in perfect line and level work as per design, drawings, specifications and instructions of the site engineer all complete works.	Rm	123.0			
73	Supplying and fixing of approved quality Non slip Glazed Vitrified Tile (Somany, Kazaria or equivalent) skirting of height 100mm on balcony, terraces etc. in 1:6 cement sand mortar in perfect line and level work as per design, drawings, specifications and instructions of the site engineer all complete works.	Rm	407.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
74	Supplying and fixing of approved quality teliya tile skirting of height 100mm in 1:6 cement sand mortar in perfect line and level work as per design, drawings, specifications and instructions of the site engineer all complete works.	Rm	1661.0			
75	Supplying and laying 16 mm thick granite on RCC slabs and walls with 20mm thick 1:2 cement sand mortar in perfect line and level including polishing, grooving as per design, drawings, specifications and instructions of the site engineer all complete works.	Sq.m	125.0			
76	Supplying and laying Granite full moulding in perfect line and level as per design, drawings, specifications and instructions of the site engineer all complete works.	Sq.m	429.0			
77	Supplying and applying 50 mm thick Plain cement screeding work in 1:2:4 with cement, sand and crushed aggregate including mixing, laying, compacting and wetting in perfect line and level as per drawings, specifications and approval of site Engineer all complete.	Sq.m	2972.0			
78	Provide and laying 3mm cement punning cement sand (1:1) including cleaning, watering, curing the laid surface all complete as per specification, instruction and approval of Site Engineer.	Sq.m	2113.0			
79	Supplying and laying 16 mm thick C/S skirting with plaster of 1:4 cement sand mortar and 3mm thick punning in perfect line and level as per drawing, specification, instruction and approval of Site Engineer all complete.	R.m	273.0			
80	Carpet work : Supplying and fitting 4.5 mm thick floor covering having a density of greater then 80 million fibers of 100 % nulon 6.6 per sq m , anti microbial treatment as per AATCC 174 with resilient waterproof backing , anti allergic anti static as per AATCC is less then or equal to 2 Kv, noise impact as per ISO 140-8 Lw=20dB , approx weight of 2.5 kg /sq m all complete as per drawing, specification and instruction of site engineer.	Sq.m	133.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
81	Making and fitting fixing of stainless steel pipe railing with 50 mm diameter stainless steel pipe handrail with 4 rows of 25mm diameter stainless steel pipe in between handrail and floor and 50 mm diameter stainless steel pipe for vertical post at rate of 2m. c/c including welding , cutting, finishing all complete as per design, specification and approval of site Engineer.	R.m	35.0			
82	Providing and Applying polymer modified acrylic base two component water proofing on toilet floor, terrace ,balcony etc, flexible waterproofing coating in two layers applied in horizontal and vertical strokes, when each coat is in tacky condition, Aquafin-2K/M plus or equivalent having cTack-bridging to ASTM C836: > 2.0 mm Elongation, to ASTM D 412-16: ca. 192 o/o and Water tightness when installed: 2.5 bar meeting the ( ASTM D 412-98 a) over the prepared RCC slab and on the vertical surfaces . After 3 days ponding the area with water for 3 days to test water tightness etc. as per drawing, specification and instruction of site engineer all complete.	Sqm	2499.0			
83	Providing and applying crystalline base waterproofing on shear wall, in two layers with horizontal and vertical strokes, when each coat is in tacky condition, Aquafin-IC or equivalent that can resists 130m from positive and negative side that should match German DVGW worksheets W 347 AND W 270 or equivalent, over the prepared RCC slab and on the vertical surfaces . After 3 days ponding the area with water for 3 days to test water tightness etc. as per drawings, specification and instruction of Site Engineer all complete.	Sqm	232.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
84	Supplying, materials, fabricating and erecting Ms pipes of different section in horizontal and vertical directions and for railing on balcony and parapets, metal window architrave, metal stage for water tank etc. in perfect line including welding , cutting , fixing with including primer as per design, drawings, specifications and instructions of the approved engineer all complete.	Kg	20614.0			
85	Supplying and fitting of Monkey Ladder with MS angle 50X50X4 mm vertical posts and 40mm dia MS Pipe at a distance of 294mm C/C or 300 mm C/C max. with two coats of red oxide and two coats of enamel paint as per drawing , specification and instruction of site engineer all complete.	Kg	266.0			
86	Providing and fitting Mild Steel Gratings of section 4.5 x 20 mm with necessary accessories and painting with red oxide all complete as per design, specifications and drawings all complete.	sqm	13.0			
87	Supplying and fixing Iron Gate at the main Entrance including welding, prefabrication, painting with two coats of red oxide as per drawing, specifications and instructions all complete.	sqm	12.0			
88	Supplying and fixing of Metal Deck Sheet of 0.8 mm thick including joining, fixing, screwing all complete as per specification , drawing and instruction.	Sqm	4.0			
89	Supply and installation of GEN2 Lifts Nova_ MRL, VVVF of Otis or equivalent brand with Regenerative drive (CLosed Loop), Flat coated steel Belt for traction medium with pulse monitoring device, Voice Synthesizer, false ceiling (CD41) with Cross Flow Fan, an IP based CCTV system, Door with 120 min fire rating, ARD and carrying capacity of 8 person gearless passenger lift, 3 stops all complete as per drawing, design, specification and approval of site incharge.	Nos	1.0			



Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
90	Providing and laying Carpet Dubo in perfect line and level as per design, drawings, specifications, instructions and approval of the site engineer all complete works.	Sq.m	675.0			
91	Supplying, and laying of 25mm thick flagstone with cement sand mortar (1:4) in perfect line and level including packing of joints as per design, drawings, specifications, instructions and approval of the site engineer all complete works.	Sq.m	1385.0			
92	Supplying and fitting of 0.5mm thick colour C.G.I sheet roofing including fixing in proper shape and size with all necessary rail , screws, bolts and nuts washer ,J and L hocks etc. as per drawing, specification and instructions of site engineer all complete.	Sq.m	53.0			
93	CGI Gutter Works:Supplying and fixing G.I. Gutter upto 450 mm wide from 0.5mm thick with 150 mm base width approved coloured sheet including washer and all necessary items all complete as per design, drawing, specification and instruction of Engineer.	Rm	370.0			
94	Supplying and fitting S.W.G.G.I Chainlink wire Mesh fencing in frame made using 50 mm Dia. post at rate of 2 m centre to centre and top and bottom angles of 20x20x4 mm and 25x25x4 mm including painting works all complete as per drawings, specifications and instructions of the approved engineer.	Sq.m	522.0			
95	Supplying and fixing of white glazed procelin clay one piece comode with 'p'and's' trap with slow falling cover , with all necessary fitting and accessories like angle valve ,pipe connector etc ,all complete set with testing and ready for operation as per drawing and instruction of an engineer.Make : Hindware/Parryware/Jaquar or equivalent.	set	53.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
96	Supply and fixing of White glazed procelain clay Under counter wash basin of size with 15 mm CP connectors with both ends couplings, 15mm CP angular cocks, 15mm CP Single lever Basin Mixer, 32mm CP bottle trap, waste coupling all complete set with testing and ready for operation as per drawing, specification and instructions of engineer.Make : Hindware/Parryware/Jaquar or equivalent.	set	35.0			
97	Supply and fixing of White glazed procelain clay o-counter wash basin of size (630*500) mm and 15 mm CP connectors with both ends couplings, 15mm CP angular cocks, 15mm CP Single lever Basin Mixer, 32mm CP bottle trap, waste coupling all complete set with testing and ready for operation as per drawing, specification and instructions of engineer. Size: 630X500 mm Make : Hindware/Parryware/Jaquar or equivalent.	set	44.0			
98	Providing and fixing in position of all fixtures with all necessary work and fittings, complete with testing and ready for operation as per drawings, specification, manufacturer's recommendations and instructions of engineer. The rate shall include for position marking, maintain line, level or grade wherever required, sand filling/compaction, earth cutting and backfilling, cutting, chasing of walls, plasters or tiles etc. and making good and touching up to restore to original conditions wherever instructed and applicable for any of the items below. Wash Basin Set: Supply and fixing of White glazed procelain clay wall-hung hand wash basin of size (500*400)mm and 15 mm CP connectors with both ends couplings, 15mm CP angular cocks, 15mm CP Single lever Basin Mixer, 32mm CP bottle trap, waste coupling all complete set with testing and ready for operation as per drawing, specification and instructions of engineer. Size: 500*400 mm Make : Hindware/Parryware/Jaquar or equivalent.	set	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
99	Providing and fixing in position of all fixtures with all necessary work and fittings, complete with testing and ready for operation as per drawings, specification, manufacturer's recommendations and instructions of engineer. The rate shall include for position marking, maintain line, level or grade wherever required, sand filling/compaction, earth cutting and backfilling, cutting, chasing of walls, plasters or tiles etc. and making good and touching up to restore to original conditions wherever instructed and applicable for any of the items below. Supply and fixing of Porcelain clay white glazed large flat back Urinal set 51x41x38 cm size with CP Push cock, Spreader, all complete set with testing and ready for operation as per specification, drawing and instruction of engineer. Make : Hindware/Parryware/Jaquar or equivalent.	set	5.0			
100	Providing and fixing of 15 mm CP commode spray with 1.2mt. Long flexible pipe, all complete set with testing and ready for operations as per drawing and instruction of an engineer. Make : Hindware/Parryware/Jaquar or equivalent.	set	53.0			
101	Providing and fixing Looking Mirror Modi guard or equivalent 600 X 450 mm, all complete set with testing and ready for operations as per drawing and instruction of an engineer. Make : Hindware/Parryware/Jaquar or equivalent.	set	81.0			
102	Providing and fixing of C.P. Toilet paper holder flap type including all necessary fitting, all complete set with testing and ready for operations as per drawing and instruction of an engineer. Make : Hindware/Parryware/Jaquar or equivalent.	set	53.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
103	Providing and fixing of soap tray heavy type stainless steel including all necessary fitting, all complete set with testing and ready for operations as per drawing and instruction of an engineer. Make : Hindware/Parryware/Jaquar or equivalent.	set	81.0			
104	Providing and fixing of Soap Dish including all necessary fitting , all complete set with testing and ready for operations as per drawing and instruction of an engineer. Make : Hindware/Parryware/Jaquar or equivalent.	set	81.0			
105	Providing and fixing of CP Robe Hook of heavy stainless steel including all necessary fitting , all complete set with testing and ready for operations. Make: Hindware/Parryware/Jaquar or equivalent.	set	37.0			
106	Providing and fixing of CP L-Shaped Grab bar -600x450mm including all necessary fitting , all complete set with testing and ready for operations as per drawing and instruction of an engineer. Make : Hindware/Parryware/Jaquar or equivalent.	set	2.0			
107	Providing and fixing of CP Vertical Swing Grab bar including all necessary fitting , all complete set with testing and ready for operations as per drawing and instruction of an engineer. Make : Hindware/Parryware/Jaquar or equivalent.	set	2.0			
108	Providing and fixing of shower with wall mixture all complete set with testing and ready for operations as per drawing and instruction of an engineer. Hindware/Parryware/Jaquar or equivalent.	set	37.0			
109	Providing and fixing of uPVC multi floor trap with all complete set as per drawing and instruction of an engineer. (Marvel, Mangalam, panchakanya or equivalent)	set	114.0			
110	Providing and fixing of uPVC 110mm vent cowl with all complete set as per drawing and instruction of an engineer. (Marvel, Mangalam, panchakanya or equivalent)	rm	47.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
111	Supplying and fixing of Over head storage 1000 litres capacity brand extra heavy Plastic cylindrical vertical water storage tank complete with inter-connection, overflow, washout and vents with all complete set as per drawing specifications and engineer instructions.(Marvel, Mangalam, panchakanya, hilltake or equivalent)	set	10.0			
112	Supplying and fixing of Chlorinated Poly Vinyl Chloride pipe(Cold and Hot). or equivalent with CPVC fittings/ specials (Tees, elbows, Unions etc) clamps(m.s plate with nut and bolt with hexagonal screws for clamp in ceiling,wall), nails, including jointing materials, installation of pipes and specials including making holes on walls or floor and repairing the same to its original finish, all complete work with testing and ready for operation as per specification, drawing and instruction of an engineer. (Marvel, Mangalam, panchakanya or equivalent) 15 mm dia CPVC Pipe SDR 11 CTS, 22.5 kg/cm <sup>2</sup>	rm	450.96			
113	Supplying and fixing of Chlorinated Poly Vinyl Chloride pipe(Cold and Hot). or equivalent with CPVC fittings/ specials (Tees, elbows, Unions etc) clamps(m.s plate with nut and bolt with hexagonal screws for clamp in ceiling,wall), nails, including jointing materials, installation of pipes and specials including making holes on walls or floor and repairing the same to its original finish, all complete work with testing and ready for operation as per specification, drawing and instruction of an engineer. (Marvel, Mangalam, panchakanya or equivalent) 20 mm dia CPVC Pipe SDR 11 CTS, 22.5 kg/cm <sup>2</sup>	rm	536.2			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
114	Supplying and fixing of Chlorinated Poly Vinyl Chloride pipe(Cold and Hot). or equivalent with CPVC fittings/specials (Tees, elbows, Unions etc) clamps(m.s plate with nut and bolt with hexagonal screws for clamp in ceiling,wall), nails, including jointing materials, installation of pipes and specials including making holes on walls or floor and repairing the same to its original finish, all complete work with testing and ready for operation as per specification, drawing and instruction of an engineer. (Marvel, Mangalam, panchakanya or equivalent) 25 mm dia CPVC Pipe SDR 11 CTS, 22.5 kg/cm2	rm	446.14			
115	Supplying and fixing of Chlorinated Poly Vinyl Chloride pipe(Cold and Hot). or equivalent with CPVC fittings/specials (Tees, elbows, Unions etc) clamps(m.s plate with nut and bolt with hexagonal screws for clamp in ceiling,wall), nails, including jointing materials, installation of pipes and specials including making holes on walls or floor and repairing the same to its original finish, all complete work with testing and ready for operation as per specification, drawing and instruction of an engineer. (Marvel, Mangalam, panchakanya or equivalent) 32 mm dia CPVC Pipe SDR 11 CTS, 22.5 kg/cm2	rm	649.34			
116	Supplying and fixing of Chlorinated Poly Vinyl Chloride pipe(Cold and Hot). or equivalent with CPVC fittings/specials (Tees, elbows, Unions etc) clamps(m.s plate with nut and bolt with hexagonal screws for clamp in ceiling,wall), nails, including jointing materials, installation of pipes and specials including making holes on walls or floor and repairing the same to its original finish, all complete work with testing and ready for operation as per specification, drawing and instruction of an engineer. (Marvel, Mangalam, panchakanya or equivalent) 40 mm dia CPVC Pipe SDR 11 CTS, 22.5 kg/cm2	rm	26.39			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
117	Supplying and fixing of Chlorinated Poly Vinyl Chloride pipe(Cold and Hot). or equivalent with CPVC fittings/ specials (Tees, elbows, Unions etc) clamps(m.s plate with nut and bolt with hexagonal screws for clamp in ceiling,wall), nails, including jointing materials, installation of pipes and specials including making holes on walls or floor and repairing the same to its original finish, all complete work with testing and ready for operation as per specification, drawing and instruction of an engineer. (Marvel, Mangalam, panchakanya or equivalent) 50 mm dia CPVC Pipe SDR 11 CTS, 22.5 kg/cm2	rm	103.9			
118	Supply and fixing of AEROFLEX or THERMAFLEX or equivalent brand insulation material for hot water pipes on terrace and ducts, all complete work as per drawingand instructed of Engineer. 15 mm dia	rm	380.42			
119	Supply and fixing of AEROFLEX or THERMAFLEX or equivalent brand insulation material for hot water pipes on terrace and ducts, all complete work as per drawingand instructed of Engineer. 20 mm dia	rm	182.14			
120	Supply and fixing of AEROFLEX or THERMAFLEX or equivalent brand insulation material for hot water pipes on terrace and ducts, all complete work as per drawingand instructed of Engineer. 25 mm dia	rm	102.48			
121	Supply and fixing of AEROFLEX or THERMAFLEX or equivalent brand insulation material for hot water pipes on terrace and ducts, all complete work as per drawingand instructed of Engineer. 32 mm dia	rm	117.45			
122	Supplying and fixing of different size ball valve of ISI standard and NSF MARK with all necessary fittings, all complete set as with testing and ready for operation as per instruction of an engineer. Make (flow guard , marvel or equivalent) 15 mm dia CPVC Ball Valve, CTS Socket all complete.	no	17.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
123	Supplying and fixing of different size ball valve of ISI standard and NSF MARK with all necessary fittings, all complete set as with testing and ready for operation as per instruction of an engineer. Make (flow guard , marvel or equivalent) 20 mm dia CPVC Ball Valve, CTS Socket all complete.	no	75.0			
124	Supplying and fixing of different size ball valve of ISI standard and NSF MARK with all necessary fittings, all complete set as with testing and ready for operation as per instruction of an engineer. Make (flow guard , marvel or equivalent) 25 mm dia CPVC Ball Valve, CTS Socket all complete.	no	15.0			
125	Supplying and fixing of different size ball valve of ISI standard and NSF MARK with all necessary fittings, all complete set as with testing and ready for operation as per instruction of an engineer. Make (flow guard , marvel or equivalent) 32 mm dia CPVC Ball Valve, CTS Socket all complete.	no	32.0			
126	Supplying and fixing of different size ball valve of ISI standard and NSF MARK with all necessary fittings, all complete set as with testing and ready for operation as per instruction of an engineer. Make (flow guard , marvel or equivalent) 40 mm dia CPVC Ball Valve, CTS Socket all complete.	no	4.0			
127	Supplying and fixing of different size ball valve of ISI standard and NSF MARK with all necessary fittings, all complete set as with testing and ready for operation as per instruction of an engineer. Make (flow guard , marvel or equivalent) 50 mm dia CPVC Ball Valve, CTS Socket all complete.	no	3.0			



Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
128	Supplying and fixing including all necessary bend, tee, y branch, socket etc as per requirement with NS testing the pipe line by the smokig test rectifying the leakage if any, , all complete set as per the specification and instruction of an engineer. (Marvel, Mangalam, panchakanya or equivalent) OD 50mm (6.0 kgf/sq cm) uPVC/PVC	rm	91.76			
129	Supplying and fixing including all necessary bend, tee, y branch, socket etc as per requirement with NS testing the pipe line by the smokig test rectifying the leakage if any, , all complete set as per the specification and instruction of an engineer. (Marvel, Mangalam, panchakanya or equivalent) OD 75mm (6.0 kgf/sq cm) uPVC/PVC	rm	233.86			
130	Supplying and fixing including all necessary bend, tee, y branch, socket etc as per requirement with NS testing the pipe line by the smoking test rectifying the leakage if any all complete set as per the specification and instruction of an engineer. (Marvel, Mangalam, panchakanya or equivalent) OD 110mm (6.0 kgf/ sq cm) uPVC/PVC	rm	2087.11			
131	Supply and fixing of heat pump of power input 2.40kw and heating capacity 9.5 kw with 1000 lt capacity SS boiler tank included installation and fittings all complete set, testing and ready for operation as per drawing, specification and instruction of engineer. Make : (PHIST , Eco Green ,Sun Tech or equivalent)	set	2.0			
132	Supply and fixing of heat pump of power input 1.59 kw and heating capacity 7 kw with 500 lt capacity SS boiler tank included installation and fittings all complete set, testing and ready for operation as per drawing, specification and instruction of engineer. Make : (PHIST , Eco Green ,Sun Tech or equivalent)	set	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
133	Supply and fixing of Electric centrifugal water pump with motor of capacity 150 liters per minute at 25m head (approx. 1HP motor) complete with starter, electric cable, check valve, automatic pump controller with high and low level sensors and cable etc as per drawings and the instruction of engineer. (Make:Grundfos, Kirloskar,wilo)	nos	5.0			
134	Centrifugal pump set: Supply and fixing pressure boosting water pump with motor of 415 volts, 3 Phase capacity 75ltrs per minute at 25 m head (approx. 0.5HP motor) complete with starter, electric cable, check valve, automatic pump controller with high and low level sensors and cable etc as per drawings and the instruction of engineer . (Make :Grundfos, Kirloskar,wilo)	nos	5.0			
135	Supply and fixing of pressure gauge including jointing materials with all complete set as per specification and instruction of engineer. Grundfos,Kirloskar,willow,H. GURU)	set	4.0			
136	Supply and fixing of Non-Return Valve including jointing materials with all complete set as per specification and instruction of an engineer. Hilltake,Marvel,Panchakanya )	set	4.0			
137	Supply and fixing of 32 mm Ball Valve including jointing materials with all complete set as per specification and instrucion of engineer.Hilltake, Marvel,Panchakanya)	set	4.0			
138	Supply and fixing of 50 mm union including jointing materials with all complete set as per specification and instruction. Hilltake,Marvel, Panchakanya)	set	4.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
139	Supplying and fixing of upvc pipes including all necessary bend, tee, y branch, socket etc as per requirement, specification and instruction of engineer with all complete work. (Marvel, Mangalam, panchakanya or equivalent) Soil waste water pipe line of NS testing the pipe line by the smoking test rectifying the leakage if any, with all complete as per the specification , drawing and instruction of an engineer. OD 160mm (6.0 kgf/sq cm) uPVC/PVC	rm	377.0			
140	High density polethene pipe of 160mm dia with fittings/ specials (Tees, elbows, Unions etc) clamps(m.s plate with nut and bolt with hexagonal screws for clamp in ceiling,wall), nails, including jointing materials, installation of pipes and specials including making holes on walls or floor and repairing the same to its original finish, all complete set as per specification and instruction of engineer.	rm	53.0			
141	Supplying and Fitting of a CI Cover of size 24" X 24" (24 kg) Medium Duty for manhole covering as per drawings, specification and instruction of site engineer all complete.	Set	44.0			
142	Supplying and Fitting of RCC Ring 42" Dia. for Richarge Pit as per drawings, specification and instruction of site engineer all complete.	rm	12.0			
143	Supplying and Fitting of a RCC Ring Cover for Recharge Pit as per drawings, specification and instruction of site engineer all complete.	Set	4.0			
144	Supply, Fixing of Stainless Steel Grease Trap (FOG) Interceptor of 25L and (40x25x25)cm with complete set including testing and ready for operation as per specifications and engineer instructions all complete set .	Nos	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
145	Supply, installation, testing and comissioning of Stand post Two way 3" female inlet connection made of aluminium alloy suitable for installation on underground hydrants to BS336: 2010 with screwed inlet threaded male instataneous connection. Outlet connection 2 x 2 1/2" instataneous cpoupling to BS336, test pressure 24 bar. Upper part should be rotatable to 360 degree for operation. It should be BSI Kitemark and certificate required. Kartar/Evesafe/Minimax or eqv.	set	5.0			
146	Hydrant Systems Hose Pipe Supply, installation, testing and comissioning of Single Jacket Fire Hose 2.5" x 15 mtrs. in red colour made of synthetic woven textile reinforcement outside and high tensile synthetic rubber from inside to BS 6391. It should be maintenace free and should not need drying, unaffected by mildew, rot proof, abrasion resistance and excellent resistance to ozone, along with Gun Metal instantaneous hose coupling male and female type, 63 x 63 with self locking nut. Kartar/Evesafe/Minimax or eqv.	Set	10.0			
147	Hydrant Systems Hose Box, Supply, installation, testing and comissioning of Fire Hose Cabinet for Hose pipe and Landing Valve and branchpipe, surface mounted/recessed, Double door. MS pwder coated in red colour. Size : 750 x 600x 250mm Make :Fabrication on site.	Set	5.0			
148	Providing and fixing standard firemans axe with heavy rubber handle all complete set. Make : Kartar / Grundfos / Naffco / Tyco / Evesafe / Minimax.	set	5.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
149	Supply, installation, testing and comissioning of 100 mm dia, Heavy grade and Heavy C Class MS with fittings such as Reducers, Tees, elbows, flanges; Including cutting, Welding, fixing in / on walls, ceiling by using suitable supports with suitable type of supports, anchor fasteners, bolts nuts (Galvanised), clamps, "U" bolts, etc, as per drawings and technical specification complete. Hulas / Mainawati / Rajesh / Jagdamba Equivalent	mtrs.	368.0			
150	Supply, installation, testing and comissioning of 80 mm dia, Heavy grade and Heavy 'C' Class MS with fittings such as Reducers, Tees, elbows, flanges; Including cutting, Welding, fixing in / on walls, ceiling by using suitable supports with suitable type of supports, anchor fasteners, bolts nuts (Galvanised), clamps, "U" bolts, etc, as per drawings and technical specification complete. Hulas / Mainawati / Rajesh / Jagdamba Equivalent	mtrs.	6.0			
151	Supply, installation, testing and comissioning of 25 mm dia, Heavy grade and Heavy 'C' Class MS with fittings such as Reducers, Tees, elbows, flanges; Including cutting, Welding, fixing in / on walls, ceiling by using suitable supports with suitable type of supports, anchor fasteners, bolts nuts (Galvanised), clamps, "U" bolts, etc, as per drawings and technical specification complete. Hulas / Mainawati / Rajesh / Jagdamba Equivalent	mtrs.	7.0			
152	Painting of MS pipe with metal primer and two coat of RED enamel complete. NS approved. 100 mm dia	mtrs.	368.0			
153	Painting of MS pipe with metal primer and two coat of RED enamel complete.NS approved. 80 mm dia	mtrs.	6.0			
154	Painting of MS pipe with metal primer and two coat of RED enamel complete. NS approved. 25 mm dia	mtrs.	7.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
155	Supply, installation, testing and comissioning of Pressure Guage, 90 mm dial, 1/4" BSPT, 0-21 Kg/cm2 range direct mounting type with Siphon made of polished SS case, hardened glass window. It should be UL listed and FM approved and certificate required. Make : Kartar/Honeywell or eqv.	Nos.	1.0			
156	Supply, installation, testing and comissioning of Fire Extinguisher, ABC Dry Powder, 6 Kg. It should be monoammonium phosphate based dry chemical agent with high quality polyster paint CRCA steel, brass nickel plated head, 15 bar working pressure conforming to 97/23/EC (PED). It should be Kitemark/LPCB certified to BS EN3, CR marked and LPCB approval. Fire Rating 34A 183B. It should be supplied with powder coated, factory manufactured wall bracket. Certificates required.Kartar /Grundfos/ Tyco / Evesafe/ Minimax.	Nos.	5.0			
157	Supply, installation, testing and comissioning of Fire Extinguisher, CO2, 5 Kg. It should be made of Carbon Steel with outer polyster paint, brass head vakve , Test pressure of 250 Bar conforming to 2014/68/EU (PED) and certified to BSI (0086). It should be Kitemark/LPCB certified to BS EN3, CE marked and LPCB approval. Fire Rating 55B. It should be supplied with powder coated, factory manufactured wall bracket. Certificates required.Kartar / Grundfos / Tyco / Evesafe / Minimax.	Nos.	5.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
158	<p>Fire Hydrant Pumping System should be completely skid mounted with MS powder coated frames, pre-wired, pre-piped with all the pumps, pneumatic vessel, control panel etc. mounted on the same single skid. Complete skid mount system should be factory tested and test certificate to be provided. Drawings of the skid system should be submitted. Naffco/Grundfos/Wilo/Kartar/Honeywell</p> <p>Supply, installation, testing and commissioning of Fire Pump, Main, Electrical End Suction, horizontal, back pull out, split casing, dimensions and characteristics conforming to DIN 24255 standards, CI-casing, SS-Impeller and Shaft coupled to 380-415 Volt, 3 pH, 2P, 50 Hz, 2950 RPM totally enclosed fan cooled Electrical Motor. Flow : 144 m3/hr. Head : 75 mtrs. Naffco/Grundfos/Wilo/Kartar/Honeywell</p>	Set	2.0			
159	<p>Fire Hydrant Pumping System should be completely skid mounted with MS powder coated frames, pre-wired, pre-piped with all the pumps, pneumatic vessel, control panel etc. mounted on the same single skid. Complete skid mount system should be factory tested and test certificate to be provided. Drawings of the skid system should be submitted. Naffco/Grundfos/Wilo/Kartar/Honeywell</p> <p>Supply, installation, testing and commissioning of Jockey Pump, Electrical Multistage SS304 vertical pump conforming to ISO2548C/DIN1944/III and EN60034 standards, CI-casing, SS304-Impeller, Shaft, Base coupled to 380-415 Volt, 3 pH, 50 Hz, 2900 RPM, Eff.2, insulation class F, IP55 motor. Flow : 11 m3/hr. Head : 75 mtrs. Naffco/Grundfos/Wilo/Kartar/Honeywell</p>	Set	2.0			
160	Supply, installation, testing and commissioning of Skid For Fire Pumps made of Enamel coated M.S frame.	Set	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
161	<p>Fire Hydrant Pumping System should be completely skid mounted with MS powder coated frames, pre-wired, pre-piped with all the pumps, pneumatic vessel, control panel etc. mounted on the same single skid. Complete skid mount system should be factory tested and test certificate to be provided. Drawings of the skid system should be submitted, Naffco/Grundfos/Wilo/Kartar/Honeywell</p> <p>Supply, installation, testing and commissioning of Hydroneumatic vessel (pressure tank) Carbon Steel vertical having electrostatic powder coating with flanged inlet connection from pump, connection for drainout, Pressure Gauge, air relief valve etc. complete set suitable for a working pressure of minimum 10 kg/cm<sup>2</sup>. It should be in accordance to 2014/68/EU Pressure Equipment Directive and TS-EN 13831 standards. It should have interchangeable bladder according to DIN 4807-3 norms, EPDM standard. Capacity : 500L</p> <p>Naffco/Grundfos/Wilo/NEMA</p>	Set	2.0			



Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
162	<p>Fire Hydrant Pumping System should be completely skid mounted with MS powder coated frames, pre-wired, pre-piped with all the pumps, pneumatic vessel, control panel etc. mounted on the same single skid. Complete skid mount system should be factory tested and test certificate to be provided. Drawings of the skid system should be submitted. Naffco/Grundfos/Wilo/Kartar/Honeywell</p> <p>Supply, installation, testing and commissioning of Fire Electrical Control panel Powder coated 1.8 mm thick GI, floor mounted suitable for 380-415V AC 3 phase 4 wire 50Hz supply system. It should have triangular lock with key, bush pin hinges, IP54. The panel should be suitable for manual and automatic operation of Main fire pump, Jockey Pump and Fire Diesel Engine Pump (To run automatically in case of power failure) complete with push button type water level guards, auto starting system, having Ammeter, Voltmeter, MCCB Aluminium Bus Bars, continuous earth bar, panel separators, protective screens, cable clamping support system, top/bottom cable gland plates for incoming and outgoing cable entries. Make : Naffco/Grundfos/Wilo/Kartar/Honeywell</p>	Set	2.0			
163	<p>Supply, installation, testing and commissioning of Gate Valve 100 mm, Flanged, 175 psi, cast iron body, SS stem. It should be UL listed and FM approved and certificate required. Minimax/Kartar or eqv.</p>	Nos.	8.0			
164	<p>Supply, installation, testing and commissioning of Flexible Coupling 100 mm, Flanged. It should be UL listed and FM approved and certificate required. Shield/Naffco/Tyco/Honeywell</p>	Nos.	4.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
165	Supply, installation, testing and comissioning of Pressure Switch, 1/2" NPT with sensitivity adjustment wheel, reinforced diaphragm resists pressure spikes, two conduit entrances as per NFPA. It should be UL listed and FM approved and certificate required. Shield/Naffco/Tyco/Honeywell/Kartar	Nos.	4.0			
166	Supply, installation, testing and comissioning opf Float Switch, 2"-4" size, 15-38LPM flow sensitivity range, 450 PSI working pressure, fusion bonded epoxy coated inside as per NFPA. It should be UL listed and FM approved and certificate required.Shield Naffco/Tyco/Honeywell/Kartar	No.	2.0			
167	Supply, installation, testing and comissioning of Suction Manifold with matching Flanged ends should be made of Heavy C class MS pipes.	Set	2.0			
168	Supply, installation, testing and comissioning of Discharge Manifold with matching Flanged Ends should be made of Heavy C class MS pipes.	Set	2.0			
169	Supply, installation, testing and comissioning of Electrical Cabling with Conduits and connections approved for fifre applications.	Lot	2.0			
170	Supply, installation, testing and comissioning of Reflux Non return Valve 100 mm, Flanged Connection, cast iron body .It should be UL listed and FM approved and certificate required with all complete set . Shield/Naffco/Tyco/Honeywell/Kartar	Nos.	4.0			
171	Supply, installation, testing and comissioning of cast iron ball type foot valve suitable to pipe of 100 mm dia with all complete set. Make : Shield/Naffco/Tyco/Honeywell/Kartar	Nos.	2.0			
172	Supply, installation, testing and comissioning of cast iron Y Strainer 100mm dia. suitable to pipe (including flanges) with all complete set. Make : Shield/Naffco/Tyco/Honeywell/Kartar	Nos.	4.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
173	Suction Head Supply, installation, testing and comissioning of Suction pipe with upper suction head with female connector and lower suction head with anti-vortex plate ancored at bottom of fire tank inculding MS pipe work , with all complete set. Make : Kartar/minimax/pyramid or eqv.	Nos.	1.0			
174	Supply, installation, testing and comissioning of Breeching Inlet 6" x 2 way, ductile iron body to BS 1563:2011, 2 nos. male instataneous inlet connection comlying to BS 336 and non-return valve as copper alloy to BS 12163:2011, working pr. 10 bar, nominal size 150 mm flanged outlet, 180mm PCD with 8 holes of dia 18 mm each complete with gunmetal 25mm size drain-valve, two rubber blank caps and chains. It should be BSI Kitemark and LPCB approved and certificate requiredwith all complete set. Pyramid /Minimax/ kartar or eqv.	Nos.	1.0			
175	Light , Fan point and 5 Ampere Power Point wiring , with required materials and labour all complete , PVC rigid Conduit for ceiling circuits and concealed for switches and circuits emanating from Main DB or concerned DB. Wires shall be copper , stranded and make/ brand shall be LVU/ Mahalaxmi/ Prime/Janata or equivalent Supply, installation, testing and commissioning of Wiring for Lights and fans points on Mains supplies with mains and submains running basically under ceiling and on walls for circuits , switch controls for lights and fans and for wall fans / brackets lights with 2 nos. 2.5 + 1 nos. 1.5 sq.mm stranded flexible PVC insulated copper wire in PVC conduit , with all required fixing accessories including chasing / chiseling of wall and making good of the same	Pts	678.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
176	Supply, installation, testing and commissioning of Wiring Power Points for 13/16 A power outlets with 3 nos. 16 ampere 3 Pin Round or 3 - 4 nos. 13 ampere universal pin outlets in one circuit and supplied from Mains DB , in concealed PVC Conduit with 2x4.0 sq.mm + 1x2.5 sq. mm Stranded PVC insulated copper wires in basically concealed PVC conduit laid in floor and partly under wall for circuits and for terminals including chiselling / chasing of wall and making good of the same including providing Surface Fixed Double lock type Battens for circuits to Outlets under Counters / Work tables in coordination with other concerned trade / s ). Wires shall be copper , stranded and make/ brand shall be LVU/ Mahalaxmi/ Prime/Janata or equivalent	Pts	270.0			
177	Supply, installation, testing and commissioning of Convenience Outlets with required surface / concealed mounting boxes. All Switches and outlets shall be Modular Fitting Northwest/Schneider/LandT/Le grand or equivalent make. Samples shall be submitted before installation. 16 amp Switch Socket with Universal Pin supported outlet flush mounted with GI box	Nos.	270.0			
178	Supply, installation, testing and commissioning of following light and fan fixtures. All LED Lighting and Fan Fixtures shall be of Wipro/Philips/Crompton or Equivalent make . Samples shall be submitted for approval for all types 9 watt Surface mounted LED Down Lighter Fixture, 6" with inbuilt LED driver and all required fixing accessories (Make:Usha/Bajaj/Almonard/ Crompton or Equivalent)	Set	93.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
179	Supply, installation, testing and commissioning of following light and fan fixtures. All LED Lighting and Fan Fixtures shall be of Wipro/Philips/Crompton or equivalent make . Samples shall be submitted for approval for all types 12 watt Surface mounted LED Down Lighter Fixture , 6" with inbuilt LED driver and all required fixing accessories	Set	159.0			
180	Supply and installation of following light and fan fixtures. All LED Lighting and Fan Fixtures shall be of Wipro/Philips/Crompton or equivalent make . Samples shall be submitted for approval for all types 18 watt LED Panel light fixture 1'x1' surface type with inbuilt LED Driver with lumen efficiency>100 lumen/watt	Set	77.0			
181	Supply, installation, testing and commissioning of following light and fan fixtures. All LED Lighting and Fan Fixtures shall be of Wipro/Philips/Crompton or equivalent make . Samples shall be submitted for approval for all types 36 watt LED Panel light fixture 2'x2' surface type with inbuilt LED Driver with lumen efficiency>100 lumen/watt	Set	30.0			
182	Supply, installation, testing and commissioning of following light and fan fixtures. All LED Lighting and Fan Fixtures shall be of Wipro/Philips/Crompton or equivalent make . Samples shall be submitted for approval for all types 20 watt LED tubelight 1200mm long with inbuilt LED Driver	Set	25.0			
183	Supply, installation, testing and commissioning of following light and fan fixtures. All LED Lighting and Fan Fixtures shall be of Wipro/Philips/Crompton or equivalent make . Samples shall be submitted for approval for all types Mirror Light with 10 Watt LED Lamp and Inbuilt LED Driver	Set	46.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
184	Supply, installation, testing and commissioning of following light and fan fixtures. All LED Lighting and Fan Fixtures shall be of Wipro/Philips/Crompton or equivalent make . Samples shall be submitted for approval for all types Wall Light with 12 Watt LED Lamp and Inbuilt LED Driver	Set	42.0			
185	Supply, installation, testing and commissioning of following light and fan fixtures. All LED Lighting and Fan Fixtures shall be of Wipro/Philips/Crompton or equivalent make . Samples shall be submitted for approval for all types Light Socket for Table Lamp	Set	34.0			
186	Supply, installation, testing and commissioning of following light and fan fixtures. All LED Lighting and Fan Fixtures shall be of Wipro/Philips/Crompton or equivalent make . Samples shall be submitted for approval for all types Pendent Light	Set	5.0			
187	Supply, installation, testing and commissioning of following light and fan fixtures. All LED Lighting and Fan Fixtures shall be of Wipro/Philips/Crompton or equivalent make . Samples shall be submitted for approval for all types Bulk Head light with 18W LED Lamp, Outdoor type	Set	4.0			
188	Supply, installation, testing and commissioning of 1 gang switch, including making necessary connections, following light control switches 1 way/2 way, 10 amp outlet , with facia plate/s, modular units and Flush mounting GI Boxes including fixing and making good of wall surface. All Switches and outlets shall be Modular Fitting Northwest/ Schneider/LandT/Legrand or equivalent make. Samples shall be submitted before installation.	Nos.	83.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
189	Supply, installation, testing and commissioning of 2 gang switch, including making necessary connections, following light control switches 1 way/2 way, 10 amp outlet , with facia plate/s, modular units and Flush mounting GI Boxes including fixing and making good of wall surface. All Switches and outlets shall be Modular Fitting Northwest/ Schneider/LandT/Legrand or equivalent make. Samples shall be submitted before installation.	Nos.	43.0			
190	Supply, installation, testing and commissioning of 3 gang switch, including making necessary connections, following light control switches 1 way/2 way, 10 amp outlet , with facia plate/s, modular units and Flush mounting GI Boxes including fixing and making good of wall surface. All Switches and outlets shall be Modular Fitting Northwest/ Schneider/LandT/Legrand or equivalent make. Samples shall be submitted before installation.	Nos.	61.0			
191	4 Gang Switch: Supply and fixing of, including making necessary connections, following light control switches 1 way/2 way, 10 amp outlet , with facia plate/s, modular units and Flush mounting GI Boxes including fixing and making good of wall surface. All Switches and outlets shall be Modular Fitting Northwest/ Schneider/LandT/Legrand or equivalent make. Samples shall be submitted before installation.	Nos.	25.0			
192	Supply, installation, testing and commissioning of 6 gang switch, including making necessary connections, following light control switches 1 way/2 way, 10 amp outlet , with facia plate/s, modular units and Flush mounting GI Boxes including fixing and making good of wall surface. All Switches and outlets shall be Modular Fitting Northwest/ Schneider/LandT/Legrand or equivalent make. Samples shall be submitted before installation.	Nos.	10.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
193	Supply, installation, testing and commissioning of 1gang 2 way switch, including making necessary connections, following light control switches 1 way/2 way, 10 amp outlet , with facia plate/s, modular units and Flush mounting GI Boxes including fixing and making good of wall surface. All Switches and outlets shall be Modular Fitting Northwest/ Schneider/LandT/Legrand or equivalent make. Samples shall be submitted before installation.	Nos.	7.0			
194	Supply , laying and connection of following copper cables/wires with PVC Pipe sleeves. Wires shall be copper , stranded and make/ brand shall be LVU/ Mahalaxmi/ Prime/Janata or equivalent 4C 50 Sq.mm Copper Armoured Cable as incomer to Main Distribution Board	Rm	175.0			
195	Supply , laying and connection of following copper cables/wires with PVC Pipe sleeves. Wires shall be copper , stranded and make/ brand shall be LVU/ Mahalaxmi/ Prime/Janata or equivalent 4x6+1x2.5 sq.mm Copper Cable, unarmoured from MDB to Floor DB's	Rm	190.0			
196	Supply , laying and connection of following copper cables/wires with PVC Pipe sleeves. Wires shall be copper , stranded and make/ brand shall be LVU/ Mahalaxmi/ Prime/Janata or equivalent 4x4+1x2.5 sq.mm Copper Cable, unarmoured from FDB to Sub-DB's and MDB to Second Floor DBs	Rm	325.0			
197	Supply , laying and connection of following copper cables/wires with PVC Pipe sleeves. Wires shall be copper , stranded and make/ brand shall be LVU/ Mahalaxmi/ Prime/Janata or equivalent 4x2.5+1x2.5 sq.mm Copper Cable, unarmoured from FDB to Sub-DB's	Rm	20.0			



Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
198	Supply , laying and connection of following copper cables/wires with PVC Pipe sleeves. Wires shall be copper , stranded and make/ brand shall be LVU/ Mahalaxmi/ Prime/Janata or Equivalent 2x2.5+1x2.5 sq.mm Copper Cable, unarmoured from MDB to Basement DB	Rm	25.0			
199	Supply, Fabricating and installing following size of perforated pre galvanised cable trays including horizontal and vertical bends, reducers, tees, cross members and other accessories as required and duly suspended from the ceiling with M.S. suspenders and including painting etc. as required including all fixing and support accessories such as tie rod, anchor bolt etc all complete 200 mm. width x 50 mm. depth x 2 mm. thickness	Rm	140.0			
200	Supply, embedding, testing and commissioning of Earth station comprising of 600mm x 600mm x 3.15mm copper plate, as earth electrode, approx. and average 18m long 35Sq.mm Cu Wire, in PVC Pipe sleeve, as earth lead brazet to electrode and leading to Main DB and system , with perforated GI Pipe connected to electrode in series for reinforcement of earth ressistance and also for watering purpose including pipe making and refilling in layers of compacted earth after filling to the top brim of electrode with alternate layers of salt and charcoal , all complete together with making of RCC Slab covered watering chamber of minimum 300*300*300mm brick masonary ( in C/S Mortar) chamber	Set	7.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
201	Supply, installation, testing and commissioning of class A "ESE Lightning protection Device for building protection as per standard NFC-17-102.It should made of stainless steel with a delta T of 60 microseconds.The device shall be installed at a height of 4 mtr.from the roof of the building using a GI mast. The device shall be connected to the Earth pit using the copper tape of 25 x 3 mm. This copper tape shall run firmly along the side of the mast with the help of spacers.It shall be ensure that this down conductor shall not touch the building throughout. The down conductor shall be connected to the earth electrodes using clamps. (Make :Schirtek, ALLTEC, LPI, ABB.) or equivalent	Set	1.0			
202	Supply, installation, testing and commissioning of Lightning pad set with stay wire ,GI pole,metal greep ,shaddle,connecor greep and soldering.etc	Set	1.0			
203	Lightning Protection System: Supply, installation, testing and commissioning of Lightning Strike Counter	Set	1.0			
204	Lightning Protection System: Supply, installation, testing and commissioning of 25 mm Cu strip 3 MM thickness with fiber Cu clamp accessories all complete	Rm	120.0			
205	Lightning Protection System: Design, fabrication, assembling, supply, installation, testing and commissioning of Earth box size L 450mm x W 300mm x D 150 mm made out of pre-galvanized sheets 1.2mm sheet steel and glazed steel door with acrylic, enclosure with 25x6 tinned cu strip with 10 holes and brassnut bolt and washer .	Set	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
206	<p>Supply , installation , testing and commissioning of Wall Flush mounting type Main Panel and Distribution Boards , as per Distribution Diagram , fabricated out of 16SWG CRCA Sheet , double covered , hinged and lockable , provided with 2 coats each of Primer and Epoxy / Duco paints after 7 tank treatment and comprising of following. MCCB , MCB shall be Schneider/Siemens/Lawson/Legrand or equivalent . The allowable current density shall be not more than 2.1 Amps per sq.mm cross sectional area of Copper Bus. Main Distribution Board (MDB) , to be installed comprising of followings:</p> <p>1 nos. 100A TPN MCCB, 25kA as incomer, 4 nos. 40A TP MCCB, 25kA, 2 nos. 32A TP MCCB, 25kA, 1 nos. 25A TP MCCB, 25kA, 4 nos. 25A TP MCB, 10 kA, 1 nos. 16A DP MCB, 10 kA 1x 25 kA Surge Protection Device Ammeter , Voltmeter with selector switches and appropriate CT's for Ammeter , RYB Indicator lamps and 3x 6A SP MCB voltmeter and Indicator lamp protection. 140A TPNE Copper Bus on hylam insulation supports- 3 sets</p>	Set	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
207	Supply , installation , testing and commissioning of Wall Flush mounting type Main Panel and Distribution Boards , as per Distribution Diagram , fabricated out of 16SWG CRCA Sheet , double covered , hinged and lockable , provided with 2 coats each of Primer and Epoxy / Duco paints after 7 tank treatment and comprising of following. MCCB , MCB shall be Schneider/Siemens/Lawson/Legrand or Equivalent. The allowable current density shall be not more than 2.1 Amps per sq.mm cross sectional area of Copper Bus. Typical GDB-A, GDB-B, FDB-A and FDB-B, Comprising of following 1 nos. 32A TP MCCB as Incomer, 5 nos. 25A TP MCB outgoing for Sub-DBs and Spare circuits, 9 nos. 6/16A SP MCB outgoing for Light, Power and Spare circuits, 60A TPNE Copper Bus on hylam insulation supports- 3 sets, Ammeter , Voltmeter with selector switches and appropriate CT's for Ammeter , RYB Indicator lamps and 3x 6A SP MCB voltmeter and Indicator lamp protection.	Set	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
208	<p>Supply , installation , testing and commissioning of Wall Flush mounting type Main Panel and Distribution Boards , as per Distribution Diagram , fabricated out of 16SWG CRCA Sheet , double covered , hinged and lockable , provided with 2 coats each of Primer and Epoxy / Duco paints after 7 tank treatment and comprising of following. MCCB , MCB shall be Schneider/Siemens/Lawson/Legrand or equivalent. The allowable current density shall be not more than 2.1 Amps per sq.mm cross sectional area of Copper Bus.</p> <p>Typical GDB-A/1, GDB-A/2, GDB-B/2, FDB-A/1, FDB-B/2, SDB-A and SDB-B, Comprising of following 1 nos. 25A, 10kA TP MCB as Incomer, 24 nos. 6/16A SP MCB outgoing for Light, Power and Spare circuits, 40A TPNE Copper Bus on hylam insulation supports- 3 sets Ammeter , Voltmeter with selector switches and appropriate CT's for Ammeter , RYB Indicator lamps and 3x 6A SP MCB voltmeter and Indicator lamp protection.</p>	Set	7.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
209	Supply , installation , testing and commissioning of Wall Flush mounting type Main Panel and Distribution Boards , as per Distribution Diagram , fabricated out of 16SWG CRCA Sheet , double covered , hinged and lockable , provided with 2 coats each of Primer and Epoxy / Duco paints after 7 tank treatment and comprising of following. MCCB , MCB shall be Schneider/Siemens/Lawson/Legrand or Equivalent . The allowable current density shall be not more than 2.1 Amps per sq.mm cross sectional area of Copper Bus. Typical FDB-A/2 and FDB-B/1, Comprising of following 1 nos. 16A, 10kA TP MCB as Incomer 24 nos. 6/16A SP MCB outgoing for Light, Power and Spare circuits 25A TPNE Copper Bus on hylam insulation supports- 3 sets Ammeter , Voltmeter with selector switches and appropriate CT's for Ammeter , RYB Indicator lamps and 3x 6A SP MCB voltmeter and Indicator lamp protection.	Set	2.0			
210	Supply , installation , testing and commissioning of Wall Flush mounting type Main Panel and Distribution Boards , as per Distribution Diagram , fabricated out of 16SWG CRCA Sheet , double covered , hinged and lockable , provided with 2 coats each of Primer and Epoxy / Duco paints after 7 tank treatment and comprising of following. MCCB , MCB shall be Schneider/Siemens/Lawson/Legrand or equivalent . The allowable current density shall be not more than 2.1 Amps per sq.mm cross sectional area of Copper Bus. Typical GDB-B/1, Comprising of following 1 nos. 16A, 10kA TP MCB as Incomer, 24 nos. 6/16A SP MCB outgoing for Light, Power and Spare circuits, 15A TPNE Copper Bus on hylam insulation supports- 3 sets, Ammeter , Voltmeter with selector switches and appropriate CT's for Ammeter , RYB Indicator lamps and 3x 6A SP MCB voltmeter and Indicator lamp protection.	Set	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
211	<p>Supply , installation , testing and commissioning of Wall Flush mounting type Main Panel and Distribution Boards , as per Distribution Diagram , fabricated out of 16SWG CRCA Sheet , double covered , hinged and lockable , provided with 2 coats each of Primer and Epoxy / Duco paints after 7 tank treatment and comprising of following. MCCB , MCB shall be Schneider/Siemens/Lawson/Legrandor equivalent . The allowable current density shall be not more than 2.1 Amps per sq.mm cross sectional area of Copper Bus.</p> <p>Typical BDB, Comprising of following 1 nos. 16A, 10kA DP MCB as Incomer, 12 nos. 6/16A SP MCB outgoing for Light, Power and Spare circuits, 40A TPNE Copper Bus on hylam insulation supports- 3 sets Ammeter , Voltmeter with selector switches and appropriate CT's for Ammeter , RYB Indicator lamps and 3x 6A SP MCB voltmeter and Indicator lamp protection.</p>	Set	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
212	Supply , installation , testing and commissioning of Wall Flush mounting type Main Panel and Distribution Boards , as per Distribution Diagram , fabricated out of 16SWG CRCA Sheet , double covered , hinged and lockable , provided with 2 coats each of Primer and Epoxy / Duco paints after 7 tank treatment and comprising of following. MCCB , MCB shall be Schneider/Siemens/Lawson/Legrandor equivalent . The allowable current density shall be not more than 2.1 Amps per sq.mm cross sectional area of Copper Bus. Pump House Control Panel 1 no. of TPN 40A MCCB, 25 kA as incomer, 1 no. multifunction meter (showing all power parameters) with RS 485 port with selector switch, matching cast resin CT's., 3 nos. phase indication lights, 1 no. voltmeter, 1 no. VSS, Bus Bar, One set of TPN, Al. bus bar rated 100 Amps (after considering necessary deratings) for phases and neutral for half capacity of phases. For Outgoing; 6 Nos. 25 Amps TPN feeder each having 32A MCB, 6 Nos. 25 Amps 4 Pole RCCB with 300 mA sensitivity, Miscellaneous items such as control wiring, designation plates etc all complete.	Set	1.0			
213	Electrical Power Supply Works: Supply, Erection, Testing and commissioning of 11 meter long Steel Galvanized Tubular Pole as per NEA standard to hold 11 kV HT ACSR Conductor including necessary cross arm, channel, pin insulators necessary nut bolts etc all complete	Set	22.0			
214	Electrical Power Supply Works: Supply, Stringing, laying, testing and connection of 3 run of 0.05 ACSR Conductor for HT outdoor connections	Rm	1500.0			



Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
215	Electrical Power Supply Works: Supply, installation, testing and commissioning of Two Pole Structure for copper wound Transformer from Nearby NEA 11 KV Distribution Feeder Including 2 nos 11 m steel tubular, 0.05 mm <sup>2</sup> Conductor Pin and Disc Insulator, Drop Out Fuse, Lightning Arrester, Earthing Set and other metal structure as per instruction and requirement all complete for Two Pole Structure of 11m GI poles. The cost shall include all necessary expenses for transformer connection such as NEA application fee, Registration fee, HT/LT metering Unit, Refundable deposits, shutdown charges, TOD meter cost, TOD meter Box complete in all aspects.	Set	1.0			
216	Electrical Power Supply Works: Dismantalling, transporting to proper site locating (2-3 kilometers), unloading, storing on proper place, installing, testing and commissioning of existing 100 kVA Distribution Transformer from existing college area with necessary crane charges complete in all respect as per instruction of site Engineer.	Set	1.0			
217	Electrical Power Supply Works: Supply, Installation, Testing and Commissioning of DG Set 100 kVA, 415V, 50Hz Capacity Three Phase Air Cooled noiseless Diesel Generator (CANOPY TYPE) with AMF Connection Facility and efficiency not less than 90% for backup of full Load as per Specifications with Automatic Transfer Switch (ATS) of suitable rating attached with it. Make: Kirlosker, Jackson, Cummings or eqvt.	Set	1.0			
218	Electrical Power Supply Works: Supply, laying, connection, testing and commissioning of 4C 70 Sq.mm Copper Armoured Cable as incomer to ATS from Transformer and ATS to Main Distribution Board with PVC Pipe sleeves. LVU/ Mahalaxmi/ Prime/Janata or equivalent	Rm	165.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
219	Electrical Power Supply Works: 35 sq.mm. 11 kV XLPE Power Cable : Supply, installation, testing and commissioning of 3 core 35 sq.mm. 11 kV XLPE armoured Aluminium Conductor from 11 kV Power intake structure to Transformer.	Rm	20.0			
220	Electrical Power Supply Works: HT Cable Termination : Supply, installation, testing and commissioning of Heat shrinkable cable jointing of 3 core x 35 sq.mm 11 KV volts grade XLPE insulated armoured cables with suitable cable termination using Raychem/MECP/ 3M kits including all accessories. ( 1 SET= TERMINATION OF 3 CORE CABLE AT ONE END)	set	2.0			
221	Metering Unit : Supply, installation, testing and commissioning of LT metering unit with TOD meter Box as per the approved make of Nepal Electricity Authority. 160A MCCB, 25kA with enclosure and busbar all complete	set	1.0			
222	External Lighting and Electrical Works: Supply, laying, testing and commissioning of 100 mm Dia HDPE pipe of NS 10 kg pressure marked HDPE pipe for cable laying with excavation upto depth 1 meters, backfilling all complete	Rm	60.0			
223	External Lighting and Electrical Works : Supply, installation, testing and commissioning of 25 W LED round flat Post Top Light for outdoor applications IP 65 with 3.5 metres long double coat enamel painted MS pole with decorative type with inbuilt LED driver, junction box for cable connection and all necessary civil works all complete.	set	16.0			
224	External Lighting and Electrical Works: Supply, installation, testing and commissioning of 9 m height Single Arm GI Pole with 100 watt LED Street lamp, IP 65 with light arm; Steel Tubular Pole suitable for mounting 100 Watt LED street light integrated with over hang bracket of dimension given in the drawing.	set	8.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
225	External Lighting and Electrical Works : Supply, installation, testing and commissioning of 25 W LED Bollard Light for outdoor applications IP 65, 900--1200mm height with decorative type with inbuilt LED driver, junction box for cable connection and all necessary civil works all complete. (Fixture as per client)	set	18.0			
226	External Lighting and Electrical Works: Supply, installation, testing and commissioning of 2x9/12W LED Up-Down facet Light in the building wall. IP65, Color temperature as per client with decorative inbuilt LED driver. (Fixture as per client).	set	129.0			
227	External Lighting and Electrical Works: Supply, laying, installation, testing and commissioning of 2 core 4 sq. mm. armoured copper cable for external lightig wiring in 32 mm Dia HDPE conduit with excavation and backfilling all complete	Rm	325.0			
228	External Lighting and Electrical Works: Supply, laying, installation, testing and commissioning of 4 core 6 sq. mm. armoured copper cable from Building MDB to External Lighting Panel	Rm	65.0			
229	Supply, installation, testing and commissioning of Landscape DB, Comprising of following; 1 nos. 25A, 18kA TP MCCB as Incomer 18 nos. 16A DP MCB outgoing for Exterior lighting circuits and spares 40A TPNE Copper Bus on hylam insulation supports- 3 sets Ammeter , Voltmeter with selector switches and appropriate CT's for Ammeter , RYB Indicator lamps and 3x 6A SP MCB voltmeter and Indicator lamp protection.	Set	1.0			
230	Supply, installation, testing and commissioning of Exhaust Axial Fan (100CFM) inclusive of all kinds of fittings, accessories and hangers per specifications and drawings and instruction of engineer at site .	Nos	44.0			
231	Supply, installation, testing and commissioning of Exhaust Metal Hood inclusive of all kinds accessories as per specifications, drawings and instruction of engineer at site.	Nos	44.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
232	Supply, installation, testing and commissioning of Wiring for NETWORKING Terminals , with basically concealed using PVC Conduit under false ceiling and partly under wall and partly surface installed in double lock type PVC Batten / trunkings at counters and Furniture ,if required as per furniture details with CAT 6 E 4 pair cable for each terminal including required chiselling / chasing of wall , and making good of the same, with 2 meter long spare CAT 6 E Cable at Server end. Cable shall be D-LINK , 3M, Panduit, Legrand or Equivalent .	pts	55.0			
233	Supply, installation, testing and commissioning of Computer Outlets RJ 45 , CAT 6 , single , with required facia plate and flush mounting GI boxes. Terminal Outlet shall be Northwest/Siemens/Norisys/ Legrandor Equivalent .	nos.	55.0			
234	Supply, installation, testing and commissioning of 16 PORT Server switch with cable manager. (Make : Alkatech, Link basic or eqv)	nos.	3.0			
235	Supply, installation, testing and commissioning of 8 PORT Server switch with cable manager. (Make : Alkatech, Link basic or eqv)	nos.	3.0			
236	Supply, installation, testing and commissioning of 4 PORT POE switch with cable manager. (Make : Alkatech, Link basic or eqv)	nos.	6.0			
237	Supply, installation, testing and commissioning of Highest Quality wireless router that creates wireless local area network with necessary fixing and connecting accessories. (Make : Alkatech, Link basic or eqv)	set	13.0			
238	Supply, installation, testing and commissioning of 16 port patch panel	nos.	3.0			
239	Supply, installation, testing and commissioning of 8 port patch panel	nos.	3.0			
240	Supply, installation, testing and commissioning of 4 port patch panel	nos.	6.0			
241	Supply, installation, testing and commissioning of Patch Chord	nos.	96.0			
242	Supply, installation, testing and commissioning of 9U server rack for floor switches	nos.	6.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
243	Supply, installation, testing and commissioning of 24U server rack for main server with fans	nos.	1.0			
244	FOR TELEPHONE SYSTEM / VOICE COMMUNICATION: Supply, installation, testing and commissioning of Wiring for Telephone Terminal RJ 11 with 2 pair 0,45mm copper telephone wire in 16mm dia PVC Conduit laid basically concealed under false ceiling and wall / floor and partly in PVC Batten under furniture , if required from Junction or the main distribution frame including chiselling / chasing of wall / floor and making good of the same	pts	48.0			
245	FOR TELEPHONE SYSTEM / VOICE COMMUNICATION: Supply, installation, testing and commissioning of Telephone Outlets , single , RJ11 with required flush mounting GI boxes. Terminal Outlet shall be Northwest/Siemens/Norisys or Equivalent .	nos.	48.0			
246	FOR TELEPHONE SYSTEM / VOICE COMMUNICATION: Supply , installation of , connection of all cables , testing and commissioning of 10 pair telephone distribution box with crone connector	set	4.0			
247	FOR TELEPHONE SYSTEM / VOICE COMMUNICATION: Supply , installation of , connection of all cables , testing and commissioning of 20 pair telephone distribution box crone connector	set	2.0			
248	FOR TELEPHONE SYSTEM / VOICE COMMUNICATION: Supply, installation, testing and commissioning of 20 pair jelly-filled copper telephone cable with necessary accessories	Rm	95.0			
249	FOR TELEPHONE SYSTEM / VOICE COMMUNICATION: Supply, installation, testing and commissioning of 10 pair jelly-filled copper telephone cable with necessary accessories	Rm	190.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
250	Supply, installation, testing and commissioning and putting into operation Fully IP voice communication system with Analogue, Digital, IP extensions. System, software and cards equipped for: - 8 digital extensions- Upto 60 Analogue extensions - 8 Trunk Line - LAN Based system administration - Included remote management facility - Support TCP/IP, VoIP etc protocols - Backup - LAN Base - CLI facility for all the trunk and single line extensions in FSK protocol - Inbuilt music on hold and 10 min extra recordable music on hold - Integrated voice main for all extensions - Computer Telephone interface for all users - DISA facility for all trunk with single outgoing message - Compatibility for VoIP trunk, IP Phony, E1 Trunk, ISDN trunk and DECT mobility - Hardware ready for SIP extensions	set	1.0			
251	Supply, installation, testing and commissioning of Operator Console with programmable digital unit.	set	1.0			
252	Supply, installation, testing and commissioning of Wiring for CCTV IP Cameras , with basically concealed using PVC Conduit under false ceiling and partly under wall and partly surface installed in double lock type PVC Batten / trunkings at , if required as per furniture details with CAT 6 E 4 pair cable including required chiselling / chasing of wall , and making good of the same, with 2 meter long spare CAT 6 E Cable at Server end	pts	18.0			
253	Supply, installation, testing and commissioning of High resolution Day/Night IR IP Bullet camera Outdoor Type with IP67 box and necessary fixing and connecting accessories.(Make: Hikvision/ UNV/Dawa or Equivalent)	nos.	18.0			
254	Supply, installation, testing and commissioning of High resolution Day/Night IR IP Dome type camera with necessary fixing and connecting accessories. (Make: Hikvision/ UNV/Dawa or Equivalent)	nos.	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
255	Supply, installation, testing and commissioning of 8 port POE switch to be installed in existing Rack (Make: Hikvision/ UNV/Dawa or Equivalent)	nos.	6.0			
256	For CCTV System: Supply, installation, testing and commissioning of 32 channel NVR with complete accessories with 16TB Harddisk (Make: Hikvision/ UNV/Dawa or Equivalent)	nos.	1.0			
257	Supply, installation, testing and commissioning of Intelligent Addressable Heat/Smoke detector, optical type with blinking LED and standard base, being capable of being addressed electronically. Manual Addressing (Dip/ Rotary Switches) not acceptable. Honeywell, System Sensor, Hochiki or Equivalent	set	106.0			
258	Supply, installation, testing and commissioning of Intelligent Addressable Double action manual call point, capable of being addressed electronically. Manual Addressing (Dip/ Rotary Switches) not acceptable, complete as required.and as per specifications. Honeywell, System Sensor, Hochiki or Equivalent	set	10.0			
259	Supply, installation, testing and commissioning of Fire Alarm Hooter (sound output of minimum 90 dB upto a distance of 30 meters) cum Strobe (Selectable 15, 30, 75, or 110 cd), made Addressable with the help of Intelligent Addressable Signal Module (cost of the Module to be included), capable of being addressed electronically. Manual Addressing (Dip/ Rotary Switches) not acceptable, with seperate power supply arrangement complete as required. Honeywell, System Sensor, Hochiki or Equivalent	set	10.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
260	Supply, installation, testing and commissioning of 8 Loop Fire Alarm Panel, UL listed micro processor based 2 wire fault tolerant loop, of following loop capacity (each loop accessing minimum 125 detectors and 125 modules ) fire alarm/detection and voice evacuation control panel with Minimum 960 Character LCD Display with sufficient panel enclosure and cabinet size to accomodate Integrated voice evacuation unit for automated messaging. The panel shall have control and display switches for 54 speaker zones. The panel shall be able to give location of all fire/fault conditions of addressable units via the address codes and shall have zone indication display LEDs on the main panel using the mountable LED strips on the panel. Further, the panel must be able to automatically switch ON /OFFrespective control module when ever any alarm is triggered. The panel shall have rectifier, Loop cards, L C D unit to indicate Fire/Fault Signal with address and analog output, external/inbuilt printer to log all fire or fault events complete in all respects. The panel shall have a built in power supply and battery charger along with maintenance free 24 AH, 2 x 12 volt SMF Lead acid batteries capable of running for a minimum of 8 hours with battery charger complete as required. The panel should have a plug in Microphone for important manual messaging if required. Honeywell, System Sensor, Hochiki or Equivalent	set	1.0			
261	Supply, installation, testing and commissioning of 2 x 1.5 sq mm PVC sheathed copper conductor 1100 volts grade flexible FRLS wires of approved make in concealed or surface mounted existing 25 mm dia MS conduit including fixing, supporting, saddling and flexible conduit etc complete in all respect.	Rm	820.0			



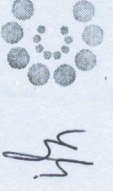
## Addendum Notice No 2

Date: July 08, 2024 (Asar 24, 2081)

### Construction of Guest House

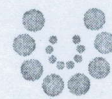
Following Clarification has been made for the listed BOQ items.

BOQ no	Previous Description of Works	Amended Description of Works	Unit	Quantity
12.0	Excavation in any kind of soils at all levels for all types of structures, including shoring, strutting, pumping and bailing out water, de-watering if any so as to keep foundations in dry condition at any stage of work, drain the water away from the site through sub drain and connecting into main drain, stacking the excavated earth at proper place near site for refill using mechanical means as per drawing, specifications & instruction of site engineer all complete.	<b>Hydraulic Excavation:</b> Excavation in any kind of soils at all levels for all types of structures, including shoring, strutting, pumping and bailing out water, de-watering if any so as to keep foundations in dry condition at any stage of work, drain the water away from the site through sub drain and connecting into main drain, stacking the excavated earth at proper place near site for refill using mechanical means as per drawing, specifications & instruction of site engineer all complete.	Cu.m	3,759.00
30.0	Brick masonry work in (1:4) cement sand mortar upto ground floor with approved quality first class chimney made bricks in perfect line and level including wetting the bricks, packing the joints and curing with necessary scaffolding work, labour, lead and lift work as per design, drawings, specifications and instructions of the site engineer all complete works.	<b>Fair face bricks upto Ground Floor:</b> Brick masonry work in (1:4) cement sand mortar upto ground floor with approved quality first class chimney made bricks in perfect line and level including wetting the bricks, packing the joints and curing with necessary scaffolding work, including supplying of all materials, labour, lead and lift work as per design, drawings, specifications and instructions of the site engineer all complete works.	Cu.m	192.00
31.0	Brick masonry work in (1:4) cement sand mortar above ground floor with approved quality first class chimney made bricks in perfect line and level including wetting the bricks, packing the joints and curing, with necessary scaffolding work, labour, lead and lift work as per design, drawings, specifications and instructions of the site engineer all complete works.	<b>Fairface bricks above Ground Floor:</b> Brick masonry work in (1:4) cement sand mortar above ground floor with approved quality first class chimney made bricks in perfect line and level including wetting the bricks, packing the joints and curing, with necessary scaffolding work, including supplying of all materials, labour, lead and lift work as per design, drawings, specifications and instructions of the site engineer all complete works.	Cu.m	219.00



37.0	Providing and fixing double glazed sliding window with white color section size-101x45x1.5mm frame , Double Glazed Glass 21mm thick (5mm toughened glass +11mm Gap filled with argan gas+5mm toughened glass) with mosquito net,Roller, Lock, Silicone and all other necessary hardwares all complete as per design, drawing, specification and approval of site Engineer.	Aluminum Double Glazed Sliding Windows: Providing and fixing double glazed sliding window with white color section size-101x45x1.5mm frame , Double Glazed Glass 21mm thick (5mm toughened glass +11mm Gap filled with argan gas+5mm toughened glass) with mosquito net, Roller, Lock, Silicone and all other necessary hardwares all complete as per design, drawing, specification and approval of site Engineer.	Sq.m	291.00
41.0	Providing and fixing double glazed sliding door white color section size-101x45x1.5mm frame , Double Glazed Glass 21mm thick (5mm clear toughened glass +11mm Gap filled with argan gas+5mm clear toughened glass) with mosquito net,Roller, Lock, Silicone and all other necessary hardwares as per design, drawing, specification and approval of site Engineer all complete.	Aluminium Sliding Door: Providing and fixing double glazed sliding door white color section size-101x45x1.5mm frame , Double Glazed Glass 21mm thick (5mm clear toughened glass +11mm Gap filled with argan gas+5mm clear toughened glass) with mosquito net, Roller, Lock, Silicone and all other necessary hardwares as per design, drawing, specification and approval of site Engineer all complete.	Sq.m	87.00
80.0	Supplying and fitting of 4.5mm thick floor covering having a density of 100% nylon 6.6 per sq.mtr, anti microbial treatment as per AATCC 174 with resilient waterproof backing,anti allergic, anti static as per AATCC 134 is $\leq 2$ kv, noise impact as per ISO 140-8 or Eqv all complete as per drawing, specification and instruction of site engineer.	<b>Carpet Work:</b> Supplying and fitting of 4.5mm thick floor covering having a density of >80 million fibers of 100% nylon 6.6 per sq.mtr, anti microbial treatment as per AATCC 174 with resilient waterproof backing,anti allergic, anti static as per AATCC 134 is $\leq 2$ kv, noise impact as per ISO 140-8 is Lw=20dB, approx weight of 2.5kg/sq.mtr. The reaction of fire should be as per GB 8624, TVOC as per GB 18587 is $\leq 0.5$ mg/m <sup>2</sup> h( class A), dimension stability test as per ISO2551 is <0.1%, light fastness as per ISO 105/BO2 is $\geq 5$ , rubbing fastness as per ISO105/X12 is $\geq 4$ , water fastness as per ISO105/E01 is $\geq 4$ , backing delamination strength as per ISO11857 is $\geq 50$ N. BON, Gradus, or Eqv all complete as per drawing, specification and instruction of site engineer.	Sq.m	133.00
93.0	Supplying and fixing G.I. Gutter upto 450 mm wide from 0.5mm thick with 150 mm base width approved coloured sheet including washer and all necessary items all complete as per design, drawing, specification and instruction of Engineer.	CGI Gutter Works: Supplying and fixing G.I. Gutter upto 450 mm wide from 0.5mm thick with 150 mm base width approved coloured sheet including washer and all necessary items all complete as per design, drawing, specification and instruction of Engineer.	Rm	370.00



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99.0	Supply and fixing of Porcelain clay white glazed large flat back Urinal 51x41x38 cm size with CP Push cock, Spreader, all complete set with testing and ready for operation as per specification ,drawing and instruction of engineer . Make : Hindware/Parryware/Jaquar or equivalent.	Providing and fixing in position of all fixtures with all necessary work and fittings, complete with testing and ready for operation as per drawings, specification, manufacturer's recommendations and instructions of engineer. The rate shall include for position marking, maintain line, level or grade wherever required, sand filling/compaction, earth cutting and backfilling, cutting, chasing of walls, plasters or tiles etc. and making good and touching up to restore to original conditions wherever instructed and applicable for any of the items below.  <b>Urinal Set:</b> Supply and fixing of Porcelain clay white glazed large flat back Urinal 51x41x38 cm size with CP Push cock, Spreader, all complete set with testing and ready for operation as per specification ,drawing and instruction of engineer . Make :Hindware/Parryware/Jaquar or equivalent.	set	5.00
134.0	Supply and fixing pressure boosting water pump with motor of 415 volts, 3 Phase capacity 75ltrs per minute at 25 m head (approx. 0.5HP motor) complete with starter, electric cable, check valve, automatic pump controller with high and low level sensors and cable etc as per drawings and the instruction of engineer . (Make :Grundfos,Kirloskar,wilo)	<b>Centrifugal pump set:</b> Supply and fixing pressure boosting water pump with motor of 415 volts, 3 Phase capacity 75ltrs per minute at 25 m head (approx. 0.5HP motor) complete with starter, electric cable, check valve, automatic pump controller with high and low level sensors and cable etc as per drawings and the instruction of engineer . (Make :Grundfos,Kirloskar,wilo)	no	5.00
191.0	Supply and fixing of, including making necessary connections, following light control switches 1 way/2 way, 10 amp outlet , with facia plate/s, modular mounting GI Boxes including fixing and making good of wall surface. All Switches and outlets shall be Modular Fitting Northwest/ Schneider/ L&T/Legrand or equivalent make. Samples shall be submitted before installation.	<b>4 gang Switch:</b> Supply and fixing of, including making necessary connections, following light control switches 1 way/2 way, 10 amp outlet , with facia plate/s, modular units and Flush mounting GI Boxes including fixing and making good of wall surface. All Switches and outlets shall be Modular Fitting Northwest/ Schneider/ L&T/Legrand or equivalent make. Samples shall be submitted before installation.	Nos.	25.00