

Bid Addendum Report

Gramthan Rural Municipality

Gramthan Rural Municipality
Gramthan
Morang
Province One
Nepal

Addendum No: 1

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Invitation No: GRAMTHANRURAL/NCB/WORKS/16-079/080

Dated On: 24-02-2023 00:00

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	Not Provided in Bid Document	2023-03-21 16:00:00

Chapter: Bill of Quantities

1 Provisional Sum						
Procument Item Details						
SL. No	Item Description	Unit	Quantity	Unit Rate(in NPR)	Amount(in NPR)	
1	Preparation of as built Architectetural, Structure, Sanitary & Electrical drawing as per instruction all complete.	PS	1	111030	111030	
2	(a) Insurance premium for the work, plant and materials damage for contract work for all risk including Riot, Strike, Damage,Malicious damage and Terrorism for contract work of 1 years + 1 year Maintenance period., (b) Insurance premium for the insurance of	PS	1	1743504	1743504	
3	Carrying out diferrent laboratory tests of construction material like cement, rod, bricks, sand, aggregate, filling materials, concrete cubes etc. during construction work as per specification and direction.	PS	1	300000	300000	
4	Provide, erect and maintain project site notice boards (plane CGI sheet of 1mx1m mount with 1/2" black sq black iron pipe.on its back with 2 number of 1.5" sq pipe post of 2 m above GL) as per insruction of Site engineer and specification all complete.	PS	1	10000	10000	
2 Construction work						
2.1 Building completion work						
2.1.1 Other building completion work						
Procument Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	Site clearance work including collection of all construction debris, water, removal of bushes, tree and disposal to the designated place as directed by Engineer.	sq.m.	4697.0			
2	Earth Work in Excavation in foundation (soft-clay & silty soil) for lift up to1.5 m. including timbering, pumping out water from the foundation trench, stacking the soil 0.90 m. minimum from the edge of foundation, filling the excavated clean & grub of soil in foundation trench & disposing the excess soil upto a lead of 10.00 m as per instruction & specification complete work (Machine 70%)	cum.	3503.17			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
3	Earth Work in Excavation in foundation (soft-clay & silty soil) for lift up to 1.5 m. including timbering, pumping out water from the foundation trench, stacking the soil 0.90 m. minimum from the edge of foundation, filling the excavated clean & grub of soil in foundation trench & disposing the excess soil upto a lead of 10.00 m as per instruction & specification complete work (Manual 30%)	cum.	1421.33			
4	Earth Back Filling in foundation trenches in 15 c.m. layers with water sprinkling & manual compaction as per specification and instruction all complete.	cum.	2988.65			
5	Earth Back Filling in plinth in 15 cm layers with water sprinkling & manual compaction as per specification and instruction all complete.	Cum	1385.81			
6	Stone Soling in foundation trench, finishing to approved level, line and dimensions as per instruction & specification all complete work.	cum	323.74			
7	Providing and Laying 1st class flat brick soling in foundation with bricks of approved size and quality to level and line and compaction all complete work as per site instruction of Engineer.	sq.m.	1260.95			
8	Providing & laying Machine/Chimney made brick masonry in 1:4 C/S mortar in substructure and ground floor in perfect line level finish including wetting the stones, racking the joints and curing the work for at least 7 days as per specification, drawings & instructions of the site engineer all complete.	cu.m.	157.27			
9	Providing & laying Machine/Chimney made brick masonry in 1:4 C/S mortar in superstructure and ground floor in perfect line level finish including wetting the stones, racking the joints and curing the work for at least 7 days as per specification, drawings & instructions of the site engineer all complete.	Cum.	208.84			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
10	Providing & laying 1st class machine/chimney made brickwork in 1:4 C/S mortar in superstructure in first floor in perfect line level finish including wetting the bricks, racking the joints and curing the work for at least 7 days as per specification, drawings & instructions of the site engineer all complete.	Cum.	201.63			
11	Providing and Laying Plain Cement Concrete (P.C.C.) in 1: 3:6 in foundation with cement, sand and aggregate including mixing, laying, finishing to approved level, line and dimensions and curing all complete as per specification and instruction of site Engineer.	Cum	142.13			
12	Providing and Laying Plain Cement Concrete (P.C.C.)/RCC in 1:2:4 in floor with cement, sand and aggregate including mixing, laying, finishing to approved level, line and dimensions and curing all complete as per specification and instruction of site Engineer.	Cu.m.	113.22			
13	Providing and Laying P.C.C.(1: 1.5:3) M20 for R.C.C.work in foundation, columns, beams, slabs, lintels etc. with cement, sand, and Aggregate(stone ballast or Crushed) 38mm gauge including mixing with concrete mixture, compacting the concrete with vibrator machine, laying, finishing to approved level ,lines and dimensions and curing all complete as per instruction of site Engineer.	Cum	2093.98			
14	Providing Reinforcement bars (Grade 500) work including straightening, cleaning, cutting, bending, binding with 20 SWG annealed wire & fixing in position as per drawing, bar bending schedule for raft foundation column, beam, wall, stair, slab in all R.C.C. works as per specification, drawing & instruction of site engineer. Approved brands: Himat, Panchakanya or equivalent.	Kgs	170528.98			
15	Supplying,making and fixing 12x12mm sq. solid pipe M.S. grill with 4.5x20mm iron plate boarder grill with Red oxide paints as per design and instruction all complete.	kg	3812.07			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
16	Supply & fixing StainLess Steel railing of 4 rows(50 mm at top and 25 mm at other Raw, 50 mm Vertical post@ 2 m ,0.75m-1 m height) as per inst of site engineer.	rm	326.78			
17	MS Spiral Stair case with 4" medium post,3x20mm sheet, 32mm handrail and all other needed for truss works in ramp in perfect line as complete as per site instruction.	Kg	750.0			
18	Supplying and fitting UPVC with special tile mess ceiling section in perfect line level all complete as specified by site engineer	sqm	387.7			
19	Supply and fixing truss with all accessories all complete	kg	4405.34			
20	Formwork, shuttering, centering with 19mm thick waterproof ply for beam with steel pipe propping, scaffolding, staging, supporting inclusive of wedging and cutting holes for utilization till the support if fully unyielding nett.	Sqm	1405.12			
21	Formwork, shuttering, centering with 19mm thick waterproof ply for column, necessary propping, scaffolding, staging, supporting inclusive of wedging and cutting holes for utilization till the support if fully unyielding nett.	Sqm	1160.85			
22	Formwork, shuttering, centering with 19mm thick waterproof ply board for slab and other and steel post for all works necessary propping, scaffolding, staging, supporting inclusive of wedging and cutting holes for utilization till the support if fully unyielding nett.	Sqm	2728.46			
23	Supplying and fitting Aluminium Door, from section (101 x45x1.50)mm in perfect line level all complete as specified by site engineer	Sqm	320.39			
24	Supplying and fitting Aluminium framed sliding window with Ventilator and mosquito net from section (101 x45x1.50)mm in perfect line level all complete as specified by site engineer	Sqm	277.73			
25	12.50 mm. thick Cement sand plaster (1:5) on wall surface of good finish including racking the joints, wetting the surface and curing the work all complete	sq.m.	7299.07			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
26	12.50 mm. thick Cement sand plaster (1:4) on ceiling surface of good finish including racking the joints, wetting the surface and curing the work all complete	sq.m.	3152.54			
27	Providing & applying 2mm thick wall putty work on wall, ceiling, column, beam in all surfaces of the buildings etc including cost all materials and accessories,all complete as per specification, drawings and instruction of engineer.(J.K. White putty, Birla or equivalent).	Sqm.	10173.54			
28	Providing and Laying glazed/ non glazed porcelain tiles on walls and floor of approved colored laid with cement sand mortar (1:4) finished with cement slurry all complete as per site instruction of Engineer.	sq.m.	2291.12			
29	Providing and Laying of 16mm marbles (300mm x 300mm) on Stair of approved colored laid with cement sand mortar (1:2) finished with cement slurry all complete as per site instruction of Engineer.	sq.m.	63.19			
30	supplying and Laying 500 gauge polyethe sheet below the soling in perfect line level all complete as per site instruction of Engineer.	kg	1576.18			
31	Two component polymer modified elastomeric waterproof coating system BRUSHBOND RFX or equivalent (2 coat application)	Sq.m.	2874.47			
32	Providing, fixing and installation of Expansion Joint for Horizontal Slab Area with 3 to 5 mm different Aluminium Plates with Joint Gap upto 4"	rm	15.07			
33	50 mm th. Plain Cement Concrete (1:2:4) Screeding for flooring all complete as per speciications and instruction.	sq.m	1581.73			
34	38 mm th. Plain Cement Concrete (1:2:4) Screeding for flooring all complete as per specifications and instruction.	sq.m.	709.39			
35	supplying and fixing 600mm x 600mm square false celing works with all accessories complete in perfect line level as specifield by site engineer	Sq.m.	2874.47			
36	Supplying and painting two coat of ready made aluminium paint of approved quality with one coat of metal primer painting over porperly cleaned surface all complete.	Sqm.	3812.07			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
37	Supplying and painting two coat of ready made palstic emulsion paint of approved quality and colour on inner part of building with one coat of primer painting over porperly cleaned surface all complete.	Sqm.	6542.9			
38	Coloring with 2 coats of weathercoat paint (Apex or eqvt.) approved color over one coat primer to give uniform coloring after rendering the surface clean and moist as per specification and instruction all complete work	Sqm.	756.17			
39	Fitting and fixing Temporary fencing for Protection work by using C.G.I. sheet with and also as ramp cover necessary Iron posts in the construction area and the path as per Instruction.	Sq.m.	93.61			
40	Plantation of 4 feet height ornamental trees as specified by site engineer and protection work with 3x20mm iron strip and 2"X2" Mesh and dia of 45cm as per design, drawing, specification and satisfaction of site engineer all complete.	Nos	25.0			
41	Hexagon interlock paver ,with compressive strength M40 or above and thickness 80mm	Sq.m.	596.84			
42	3mm thick punning works.	Sq.m.	278.1			
43	supplying and maintining site office of two rooms having total area 20 sq.m. for the use of clint, consultant, contractor and visitors during the entire period of construction uncludinf office chair, table, lockable file cabinet etc.	job	1.0			
44	Dismantaling Works	LS	1.0			
45	Plantation of Tree/ Flower/ Shrubs/ etc (Ashok tree 4ft)type suitable for Hospital supply, laying and watering as per site condition,specification & instruction of site engineer	nos	20.0			
3 Construction work						
3.1 Building installation work						
3.1.1 Plumbing and sanitary works						
Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	White glazed earthenware Indian pattern W C 580mm Orissa Pan with 3.0gallons low level flushing cistern with complete accessories including bracket, flushing pipe,pipe connector etc. all complete set	Set	6.0			
2	White glazed earthenware Hindware or Parryware or equivalent, Cascade or Constellation type, Indian Pattern Water Closet 'P' or 'S' trap with standard bakelite seat cover, 15 mm PVC connector with both ends couplings complete with testing and ready for operation	Set	18.0			
3	61x41x38 cm Large Flat back White glazed urinal (Hindware, Parryware, Classica or equivalent.)	Set	6.0			
4	Urinal Partation 68x30cm size complete set	Set	6.0			
5	15mm Urinal Auto closing Valve with built in control cock	Set	6.0			
6	(50x40)cm Porcelain clay white glaze Wash basin with mixture complete set.	Set	5.0			
7	(50x40)cm Porcelain clay white glaze Oval Wash basin complete set.	Set	5.0			
8	stainless steel scrub sink (surgical) double bowl with lever arm cock of size 1000x1375x600 mm with complete accessories including bracket, flushing pipe, pipe connector etc. all complete set	Set	2.0			
9	stainless steel sluice sink wall mounted single bowl with lever arm cock of size 1000x680 mm with complete accessories including waste outlets,flushing inlet and disposal hoppers etc. all complete set	Set	2.0			
10	stainless steel surgical hand washing sink wall mounted double station with knee operated lever arm cock of size 680 x680 mm with complete accessories including bracket, flushing pipe,pipe connector etc. all complete se	Set	1.0			
11	C.P. Grab bar European pattern 300mm long bend type Grohe, Essel or Eqv.	Set	2.0			
12	Kitchen Sink Stainless steel 90cm longx 20 cm deep with sink cock all complete.	Set	4.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
13	Water filter with UV lamp and filter media , 1 lit\min (Euro guard) with complete set	Set	5.0			
14	Porceline Clay Toilet Paper Holder (Recessed)American standard with necessary accessories	nos	24.0			
15	Stainless Steel towel rod 1.5 x45cm (½"x 18") with necessary accessories	nos	24.0			
16	Stainless Steel Saop container (Cotto) with necessary accessories	nos	34.0			
17	C P Grating 100mm dia size	nos	34.0			
18	PVC Floor trap 11x7.5cm	nos	34.0			
19	Looking mirror 55x40cm size	nos	15.0			
20	6 mm thick looking mirror of Modiguard or approved make with CP mirror screws and clips size 450 x 600 mm	nos	2.0			
21	Glass shelf with guard rails	nos	2.0			
22	Porcelain clay GlassShelf Euorpean pattern(American standard)	nos	2.0			
23	C P 15 mm Angle valve	nos	20.0			
24	15mm Stainless Steel Angle valve	nos	75.0			
25	15mm Auto closing Bib Cock with aerator, jaquar or eqv.	nos	8.0			
26	CP Water Spray 1.5cm	nos	24.0			
27	Hand Dryer Germany with complete accessories (Grohe, Hansgrohe, American Standard or eqv.)	nos	15.0			
28	15 mm dia insulation Pipe for hot water pipe(Aeroflex , superloan or eqv.) all complete.	RM	230.0			
29	15 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 13.5 CTS, 22.5 kg/cm2 (flowguard or ISI Standard.)	Rm	650.0			
30	20 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 13.5 CTS, 22.5 kg/cm2 (flowguard or ISI Standard.)	Rm	500.0			
31	25 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 13.5 CTS, 22.5 kg/cm2 (flowguard or ISI Standard.	Rm	300.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
32	32 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 13.5 CTS, 22.5 kg/cm ² (flowguard or ISI Standard.)	Rm	100.0			
33	40 mm CPVC Pipe SDR 13.5 CTS, 22.5 kg/cm ² (flowguard or ISI Standard.	Rm	70.0			
34	50 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 13.5 CTS, 22.5 kg/cm ² (flowguard or ISI Standard.)	Rm	60.0			
35	15 mm CPVC ball valve, CTS sockets	Nos	24.0			
36	20 mm CPVC ball valve, CTS sockets	Nos	8.0			
37	25 mm CPVC ball valve, CTS sockets	Nos	12.0			
38	32 mm CPVC ball valve, CTS sockets	Nos	10.0			
39	40 mm CPVC ball valve, CTS sockets	Nos	6.0			
40	50 mm CPVC ball valve, CTS sockets	Nos	9.0			
41	G.M. 25mm Check valve	nos	25.0			
42	G.M. 50mm Check valve	nos	5.0			
43	Panchakanya or approved brand PVC pipes including cutting, jointing, sealing with rubber washer and solvent cement and for complete installation, PVC clamps, nails and hooks. Installation of pipes and specials including making holes on walls or floor and repairing the same to its original finish, excavation and backfill (compaction as per civil works specifications) in any type of soil. Pipes to be installed on trenches or walls or floor or hung to ceilings as per drawings, specifications and instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running metre, fittings etc payable seperately. (110 mm PVC Pipe 6 kg\cm ²)	Rm	500.0			
44	75 mm PVC pipe 6 kg\cm ²	Rm	250.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
45	50 mm PVC Pipe 6 kg/cm ²	Rm	180.0			
46	Panchakanya or approved brand HDPE pipes including cutting, jointing, with all necessary HDPE fittings. Installation of pipes and specials including making holes on walls or floor and repairing the same to its original finish, excavation and backfill (compaction as per civil works specifications) in any type of soil. Pipes to be installed on trenches or walls or floor or hung to ceilings as per drawings, specifications and instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running metre, fittings etc not payable separately.(4 kg\cm ² (200 mm) HDP pipe)	Rm	100.0			
47	4 kg\cm ² (110mm) HDP pipe	Rm	120.0			
48	Fixing /laying 300 mm dia NP3 RCC Hume pipe with 1:4 cement sand mortar all complete.	nos	15.0			
49	C I cover 55x55cm (medium)	nos	8.0			
50	Panchkanya or equivalent UPVC specials all complete i) 50 mm diameter UPVC plain tee	No.	45.0			
51	50 mm diameter UPVC 90 degree bend	No.	57.0			
52	50 mm diameter UPVC 45 degree bend	No.	14.0			
53	75 mm diameter UPVC Vent cowl	No.	8.0			
54	75 mm diameter UPVC plain tee	No.	15.0			
55	75 mm diameter UPVC door tee	No.	14.0			
56	75 mm diameter UPVC 90 degree bend	No.	21.0			
57	75 mm diameter UPVC 45 degree bend	No.	17.0			
58	75 mm diameter UPVC door bent	No.	15.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
59	75 mm diameter UPVC Y branch	No.	17.0			
60	110 mm diameter UPVC Vent cowl	No.	10.0			
61	110 mm diameter UPVC plain tee	No.	12.0			
62	110 mm diameter UPVC door tee	No.	12.0			
63	110 mm diameter UPVC 90 degree bend	No.	75.0			
64	110 mm diameter UPVC 45 degree bend	No.	45.0			
65	110 mm diameter UPVC door bent	No.	9.0			
66	110 mm diameter UPVC Y branch	No.	34.0			
67	75 mm diameter UPVC pipe clip	No.	60.0			
68	110 mm diameter UPVC pipe clip	No.	75.0			
69	110 x 110 mm diameter UPVC P trap	No.	11.0			
70	110 x 75 mm Reducer	No.	23.0			
71	2000.0 ltr. PVC \ HDPE water tank	nos	4.0			
72	1000.0 ltr. PVC \ HDPE water tank	nos	3.0			
73	2.0 H P Electric motor pump multi stage couple (Crompton)	nos	3.0			
74	Providing and fixing ABC type 5 kg fire extinguisher with pressure guage type consisting of welded MS cylindrical body, squeeze lever discharge valve fitted with pressure indicating gauge internal discharge tube, 30 cms long high pressure discharge hose, discharge nozzle, suspension bracket, conforming to ISI finished externally with red enamel paint and fixed to wall with brackets complete with initial charge.	nos	10.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
75	Providing and fixing of 300 liter solar water heater 3 pannel with electric boosting with complete set. And ready to use.	Set	3.0			
76	Stainless Steel Shower rose with sliding bar complete set.	Set	7.0			
77	Stainless steel telephonic Shower Rose	Set	7.0			
78	C.P. Wall Mixer	Set	7.0			
79	560mm dia 100kg CI heavy cover with frame all complete	Set	3.0			
80	Motor starter switch with all acessories.	nos	2.0			
81	Auto sensor for pump and overhead tank including water proof cable with contactor all complete with testing and ready for operation as per manufacturer's recommendations and instruction	Set	2.0			
82	G.M. 25mm float valve	Set	5.0			
83	Fabrication and fixing of I.S. or B.S. Standard iron section with one coat primer painting.	Kg	600.0			

4 Construction work

4.1 Building installation work

4.1.1 Electrical installation work

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	Normal Light point with 2x1.5 Sq. mm/equivalent cu cable, bends, PVC Conduit, circular & Junction boxes (Indoor light points)	point	468.0			
2	Emergency Light point with 2x1.5 Sq. mm/equivalent cu cable, bends, PVC Conduit, circular & Junction boxes	point	81.0			
3	Normal Light point with 2x1.5 Sq. mm/equivalent cu cable, bends, PVC Conduit, circular & Junction boxes (Outdoor light points)	point	223.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
4	5 pin 16 A normal power socket point with 2x4+1x2.5 sq. mm / equivalent cu cable, bends, PVC Conduit, circular & Junction Boxes	point	234.0			
5	5 pin 16 A emergency power socket point with 2x4+1x2.5 sq. mm / equivalent cu cable, bends, PVC Conduit, circular & Junction Boxes	point	36.0			
6	Supply of light fixtures, fixing, interconnection, testing and commissioning complete with all required mounting and fixing accessories as per drawing (Brands: Havells or Equivalent), Havells 34W pluto neo panel 2*1 light fixture	set	25.0			
7	Supply of light fixtures, fixing, interconnection, testing and commissioning complete with all required mounting and fixing accessories as per drawing (Brands: Havells or Equivalent), Havells 20W pluto neo panel 2*1 light fixture	set	50.0			
8	Supply of light fixtures, fixing, interconnection, testing and commissioning complete with all required mounting and fixing accessories as per drawing (Brands: Havells or Equivalent), Havells 15W pluto neo panel 1*1 light fixture	set	80.0			
9	Supply of light fixtures, fixing, interconnection, testing and commissioning complete with all required mounting and fixing accessories as per drawing (Brands: Havells or Equivalent), Havells 15W integra (surface round) LED down Light Fixture	set	98.0			
10	Supply of light fixtures, fixing, interconnection, testing and commissioning complete with all required mounting and fixing accessories as per drawing (Brands: Havells or Equivalent), Havells 12W Endura DL Neo Light Fixture	set	100.0			
11	Supply of light fixtures, fixing, interconnection, testing and commissioning complete with all required mounting and fixing accessories as per drawing (Brands: Havells or Equivalent), Havells 9W JOY Round LED Downlight	set	37.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
12	Supply of light fixtures, fixing, interconnection, testing and commissioning complete with all required mounting and fixing accessories as per drawing (Brands: Havells or Equivalent), Havells Adore LED Bulb (Cool Day Light, 9 W)	set	80.0			
13	Supply of light fixtures, fixing, interconnection, testing and commissioning complete with all required mounting and fixing accessories as per drawing (Brands: Havells or Equivalent), Mirror Light Fixture	set	24.0			
14	Supply of light fixtures, fixing, interconnection, testing and commissioning complete with all required mounting and fixing accessories as per drawing (Brands: Havells or Equivalent), Havells 90W floodlight for parking lot	set	4.0			
15	Supply of light fixtures, fixing, interconnection, testing and commissioning complete with all required mounting and fixing accessories as per drawing (Brands: Havells or Equivalent), Havells LED Flood Light 50W	set	12.0			
16	Supply of light fixtures, fixing, interconnection, testing and commissioning complete with all required mounting and fixing accessories as per drawing, Operation Theatre Light Fixture	set	3.0			
17	Supply of light fixtures, fixing, interconnection, testing and commissioning complete with all required mounting and fixing accessories as per drawing, 20 watt heritage LED post top for landscape light	set	18.0			
18	Supply of switches, switch boxes, screw, and other necessary materials with its Installation, Interconnection and commissioning including civil works as per drawing , specification all complete, 6 A 1 Gang 1 way switch (referred from Lamjung dar rate)	set	175.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
19	Supply of switches, switch box , screw, and other necessary materials with its Installation, Interconnection and commissioning including civil works as per drawing , specification all complete , 6 A 2 Gang 1 way switch	set	122.0			
20	Supply of switches, switch box , screw, and other necessary materials with its Installation, Interconnection and commissioning including civil works as per drawing , specification all complete , 6 A 3 Gang 1 way switc	set	18.0			
21	Supply of switches, switch box , screw, and other necessary materials with its Installation, Interconnection and commissioning including civil works as per drawing , specification all complete, 6 A 4 Gang 1 way switch	set	56.0			
22	Supply of switches, switchbox , screw, and other necessary materials with its Installation, Interconnection and commissioning including civil works as per drawing , specification all complete, 6 A 1 Gang 2 way switch	set	8.0			
23	Supply of switches, switchbox , screw, and other necessary materials with its Installation, Interconnection and commissioning including civil works as per drawing , specification all complete, 16 A double pole switch for outdoor lights	set	4.0			
24	Supply of switches, switch box, screw, and other necessary materials with its Installation, Interconnection and commissioning including civil works as per drawing , specification all complete, 5/6 pin 16 A switch socket	set	270.0			
25	Plate Earthing Set of given Specifications	set	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
26	Main Distribution Board (MDB): Supply, Delivery, installation and Commissioning of Havells TPN Horizontal PPI 8 way Double DoorDistribution board, 500A TPN MCCB- 1 set, 250A TPN MCCB-2 set,80A TPN MCCB- 1 set,civil works, Panel Wiring materials etc. all Complete	set	1.0			
27	Sub Main Distribution Board (SMDB1): Supply, Delivery, installation and Commissioning of Havells TPN Horizontal PPI 8 way Double DoorDistribution board, 400A TPN MCCB- 1 set, 160A TPN MCCB- 2 set, 40A TPN MCB-2 set, 63A TPN MCB- 1 set, civil works, Panel Wiring materials etc. all Complete	set	1.0			
28	Sub Main Distribution Board (SMDB2): Supply, Delivery, installation and Commissioning of Havells TPN Horizontal PPI 8 way Double DoorDistribution board, 200A TPN MCCB- 1 set, 20A DP MCB- 3 set, 63A DP MCB- 6 set, civil works, Panel Wiring materials etc. all Complete	set	1.0			
29	UPS Main Distribution Board (UMDB): Supply, Delivery, installation and Commissioning of Havells TPN Horizontal PPI 12 way Double DoorDistribution board, 63A TPN MCCB- 1 set, 25A TPN MCB- 6 set, 6A SP MCB- 1 set, 16A SP MCB- 2 set, civil works, Panel Wiring materials etc. all Complete	set	1.0			
30	Sub Distribution Board (SDB 1): Supply, Delivery, installation and Commissioning of Havells TPN Horizontal PPI 12 way Double DoorDistribution board, 125A TPN MCCB- 1 set, 20A DP MCB- 4 set, 63A DP MCB- 5 set, 16A TPN MCB- 3 set, 32A TPN MCB- 1 set, civil works, Panel Wiring materials etc. all Complete	set	1.0			
31	Sub Distribution Board (SDB 2): Supply, Delivery, installation and Commissioning of Havells TPN Horizontal PPI 8 way Double DoorDistribution board, 125A TPN MCCB- 1 set, 20A DP MCB- 6 set, 63A DP MCB- 4 set, civil works, Panel Wiring materials etc. all Complete	set	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
32	Sub Distribution Board (SDB 3): Supply, Delivery, installation and Commissioning of Havells TPN Horizontal PPI 6 way Double Door Distribution board, 32A TPN MCB- 1 set, 20A DP MCB- 5 set, 63A DP MCB- 3 set, civil works, Panel Wiring materials etc. all Complete	set	1.0			
33	Sub Distribution Board (SDB 4): Supply, Delivery, installation and Commissioning of Havells TPN Horizontal PPI 6 way Double Door Distribution board, 32A TPN MCB- 1 set, 20A DP MCB- 5 set, 63A DP MCB- 3 set, civil works, Panel Wiring materials etc. all Complete	set	1.0			
34	Sub Distribution Board (SDB 5): Supply, Delivery, installation and Commissioning of Havells TPN Horizontal PPI 12 way Double Door Distribution board, 50A TPN MCB- 1 set, 20A DP MCB- 6 set, 63A DP MCB- 12 set, civil works, Panel Wiring materials etc. all Complete	set	1.0			
35	Light Distribution Board (LDB 1): Supply, Delivery, installation and Commissioning of Havells SPN Arcrylic window 8 way Double Door Distribution board, 16A DP MCB- 1 set, 6A SP MCB- 6 set, civil works, Panel Wiring materials etc. all Complete	set	9.0			
36	Light Distribution Board (LDB 2): Supply, Delivery, installation and Commissioning of Havells SPN Arcrylic window 10 way Double Door Distribution board, 16A DP MCB- 1 set, 6A SP MCB- 8 set, civil works, Panel Wiring materials etc. all Complete	set	3.0			
37	Light Distribution Board (LDB 3): Supply, Delivery, installation and Commissioning of Havells SPN Arcrylic window 6 way Double Door Distribution board, 16A DP MCB- 1 set, 6A SP MCB- 4 set, civil works, Panel Wiring materials etc. all Complete	set	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
38	Power Distribution Board (PDB 1): Supply, Delivery, installation and Commissioning of Havells SPN Arcrylic window 8 way Double Door Distribution board, 63A DP MCB- 1 set, 16A SP MCB- 6 set, civil works, Panel Wiring materials etc. all Complete	set	12.0			
39	Power Distribution Board (PDB 2): Supply, Delivery, installation and Commissioning of Havells SPN Arcrylic window 4 way Double Door Distribution board, 63A DP MCB- 1 set, 16A SP MCB- 4 set, civil works, Panel Wiring materials etc. all Complete	set	3.0			
40	UPS Distribution Board (UDB 1): Supply, Delivery, installation and Commissioning of Havells TPN Horizontal PPI 4 way Double Door Distribution board, 20A TPN MCB- 1 set, 6A SP MCB- 7 set, 16A SP MCB- 1 set, civil works, Panel Wiring materials etc. all Complete	set	1.0			
41	UPS Distribution Board (UDB 2): Supply, Delivery, installation and Commissioning of Havells TPN Horizontal PPI 4 way Double Door Distribution board, 20A TPN MCB- 1 set, 6A SP MCB- 7 set, 16A SP MCB- 1 set, civil works, Panel Wiring materials etc. all Complete	set	1.0			
42	UPS Distribution Board (UDB 3): Supply, Delivery, installation and Commissioning of Havells TPN Horizontal PPI 4 way Double Door Distribution board, 16A TPN MCB- 1 set, 6A SP MCB- 6 set, 16A SP MCB- 1 set, civil works, Panel Wiring materials etc. all Complete	set	1.0			
43	UPS Distribution Board (UDB 4): Supply, Delivery, installation and Commissioning of Havells TPN Horizontal PPI 4 way Double Door Distribution board, 16A TPN MCB- 1 set, 6A SP MCB- 4 set, 16A SP MCB- 4 set, civil works, Panel Wiring materials etc. all Complete	set	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
44	UPS Distribution Board (UDB 5): Supply, Delivery, installation and Commissioning of Havells TPN Horizontal PPI 4 way Double Door Distribution board, 16A TPN MCB- 1 set, 6A SP MCB- 7 set, 16A SP MCB- 1 set, civil works, Panel Wiring materials etc. all Complete	set	1.0			
45	UPS Distribution Board (UDB 6): Supply, Delivery, installation and Commissioning of Havells TPN Horizontal PPI 4 way Double Door Distribution board, 20A TPN MCB- 1 set, 6A SP MCB- 1 set, 16A SP MCB- 3 set, civil works, Panel Wiring materials etc. all Complete	set	1.0			
46	Supply, Delivery, installation and Commissioning of Prime Unarmoured Power Cable with civil works and necessary accessories, specification of the cable as listed: 1R*3.5C*630 sq. mm XLPE Insulated Al cable, cable in air, 1R*3.5C*185 sq. mm XLPE Insulated Al cable, cable in air, 1R*3.5C*95 sq. mm XLPE Insulated Al cable, cable in air, 1R*4C*10 sq. mm PVC Insulated Cu cable, cable in air, 2R*1C*16 sq. mm PVC Insulated Cu cable, cable in air, 2R*1C*4 sq. mm PVC Insulated Cu cable, cable in air, 1R*4C*6 sq. mm PVC Insulated Cu cable, cable in air, 1R*4C*8 sq. mm PVC Insulated Cu cable, cable in air	set	1.0			
47	Supply, Delivery, installation and Commissioning of Prime Armored Power Cable with civil works and necessary accessories, specification of the cable as listed: 1R*3.5C*50 sq. mm XLPE Insulated Al cable, cable in ground, 1R*3.5C*50 sq. mm XLPE Insulated Al cable, cable in ground, 1R*4C*10 sq. mm XLPE Insulated Cu cable, cable in ground, 1R*4C*16 sq. mm XLPE Insulated Cu cable, cable in ground	set	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
48	Supply, Installation, testing, commissioning and erection 500 KVA, 11kV/0.4kV, 3 Phase, 50 Hz transformer set with 800A Drop out fuse and 1000A isolator of approved make with all ancillary equipments for the transformer with ACB	set	1.0			
49	Supply, Delivery, installation and Commissioning of Cable tray with civil works and necessary accessories, specification as listed: 50 meter of 300*50 mm Galvanized metal GI Ladder Cable tray and 100 meter of 150*50 mm Galvanized metal GI Cable tray	per mtr	150.0			
50	Supply, Installation, testing, commissioning and erection 250 KVA, (380-440) Volt, 3 Phase, 50 Hz standby Diesel Generator set of approved make with all ancillary equipments for the DG set Noise level 75 db or less with ATS and ACB	set	1.0			
51	Supply, Installation, testing, commissioning CT, 3 phase meter with 11 KV Disconnecting switch	set	1.0			
52	Supply, Delivery, installation and Commissioning of Prime Armoured Power Cable with civil works and necessary accessories for primary side of transformer of specification: 1R*3C*240 sq. mm XLPE Insulated Al cable, cable in ground: length of 100 metre	per mtr	75.0			

5 Construction work

5.1 Building installation work

5.1.1 Mechanical installations

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	Ceiling Mounted Cassette Type, Capacity:2TR, Nominal cooling capacity:7.1 kw, Nominal heating capacity:8 kw, refrigerant:R410A,sound level (HH/H/L): Not less than 585, Power Supply: 1phz, 220-240V, 50Hz, Liquid line pipe diameter: dia 9.5 mm, Gas pipe diameter: dia 15.9mm"	Nos	3.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
2	"Ceiling Mounted Cassette Type,Capacity:1.5TR, Nominal cooling capacity:5.1 kw, Nominal heating capacity:6.5 kw, refrigerant:R410A,sound level (HH/H/L): Not less than 515, Power Supply: 1phz, 220-240V, 50Hz, Liquid line pipe diameter: dia 9.5 mm, Gas pipe diameter: dia 15.9mm"	Nos	3.0			
3	"Ceiling Mounted Cassette Type,Capacity:1TR, Nominal cooling capacity:4.5 kw, Nominal heating capacity:5.5 kw, refrigerant:R410A,sound level (HH/H/L): Not less than 475, Power Supply: 1phz, 220-240V, 50Hz, Liquid line pipe diameter: dia 9.5 mm, Gas pipe diameter: dia 15.9mm"	Nos	1.0			
4	"Wall Mounted Type,Capacity: 1TR, Nominal cooling capacity:3.6 kw, Nominal heating capacity:4 kw, refrigerant:R410A,sound pressure level at high speed (38,31)(H/L) dBA, Air flow rate at high speed:282 CFM, Electrical power source :1PH, 220-240,50Hz,Liquid line pipe diameter: dia 6.4 mm,Gas line pipe diameter:dia 12.7mm"	Nos	5.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
5	Wall Mounted Type,Capacity: 1.5TR, Nominal cooling capacity:5.6 kw, Nominal heating capacity:6.3 kw, refrigerant:R410A,sound pressure level at high speed (42,36)(H/L) dBA, Air flow rate at high speed:530 CFM, Electrical power source :1PH, 220-240,50Hz,Liquid line pipe diameter: dia 6.4 mm,Gas line pipe diameter:dia 12.7mm "	Nos	3.0			
6	"Wall Mounted Type,Capacity: 2TR, Nominal cooling capacity:8.6 kw, Nominal heating capacity:9.3 kw, refrigerant:R410A,sound pressure level at high speed (50,42)(H/L) dBA, Air flow rate at high speed:820 CFM, Electrical power source :1PH, 220-240,50Hz,Liquid line pipe diameter: dia 6.4 mm,Gas line pipe diameter:dia 12.7mm "	Nos	1.0			
7	20 HP Outdoor Unit	Nos	3.0			
8	22 HP Outdoor Unit	Nos	4.0			
9	24 HP Outdoor Unit	Nos	1.0			
10	Supply, Delivery & Installation of full functions Wired/Corded Remote Controller which displays current airflow, swing, temperature, operating mode & timer setting	Nos	10.0			
11	Supply, Delivery and Installation of Factory made linear Branch Pipe kits with Insulation."	Nos	15.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
12	Supply, delivery and Installation of Control Electrical Shield cables of 0.75 Sq mm all complete between indoor , remote controllers and to the outdoor unit.	Lot	12.0			
13	Supply and Installation of PPR Drain pipes and required accessories. 20 mm dia	Rm	110.0			
14	Supply and Installation of PPR Drain pipes and required accessories. 25 mm dia	Rm	65.0			
15	Supply fabrication and installation of hand made Gi ducting with insulation flanges, Rubber Gaskets,full threaded rad supports and thes ducts will be hand on the ceiling by means of expansion bolt as per drawing and specifications. (Sheet Thickness - 0.6mm)	Sqft	950.0			
16	Supply, Delivery and insulation of flexible duct of Dia 300 mm	Rm	15.0			
17	Supply and Installation of seamless copper pipes with closed cell high density nitrile rubber insulation of 13 mm to 19 mm . complete with Hangers, screws and requirde accessories as per site conditions.Dia - 6.4 mm	Rm	50.0			
18	Supply and Installation of seamless copper pipes with closed cell high density nitrile rubber insulation of 13 mm to 19 mm . complete with Hangers, screws and requirde accessories as per site conditions. Dia - 9.6 mm	Rm	60.0			
19	Supply and Installation of seamless copper pipes with closed cell high density nitrile rubber insulation of 13 mm to 19 mm . complete with Hangers, screws and requirde accessories as per site conditions. Dia - 12.7 mm	Rm	50.0			
20	Supply and Installation of seamless copper pipes with closed cell high density nitrile rubber insulation of 13 mm to 19 mm . complete with Hangers, screws and requirde accessories as per site conditions. Dia - 15.9 mm	Rm	50.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
21	Supply and Installation of seamless copper pipes with closed cell high density nitrile rubber insulation of 13 mm to 19 mm . complete with Hangers, screws and requirde accessories as per site conditions. Dia - 19.1 mm	Rm	45.0			
22	Supply and Installation of seamless copper pipes with closed cell high density nitrile rubber insulation of 13 mm to 19 mm . complete with Hangers, screws and requirde accessories as per site conditions. Dia - 22.2 mm	Rm	20.0			
23	Supply and Installation of seamless copper pipes with closed cell high density nitrile rubber insulation of 13 mm to 19 mm . complete with Hangers, screws and requirde accessories as per site conditions. Dia - 28.6 mm	Rm	40.0			
24	Aluminium power coated grills having regular design of the following specification: 18" X 18" Diffuser With VCD.	Nos	6.0			
25	Aluminium power coated grills having regular design of the following specification: 150 mm width continuos grill without VCD	Sqft	36.0			
26	Aluminium power coated grills having regular design of the following specification: Jet nozzle diffuser neck size : 300 mm dia with VCD	Nos	12.0			
27	Sound acoustic for Plenum Duct	Sqft	200.0			
28	Lifting and placement of VRV Outdoor unit on the foundation. For 20 HP Outdoor Units	Lot	1.0			
29	Lifting and placement of VRV Outdoor unit on the foundation. For 22 HP Outdoor Units	Lot	1.0			
30	Lifting and placement of VRV Outdoor unit on the foundation. For 24 HP Outdoor Units	Lot	1.0			
31	Flushing the entire system with dry nitrogen For 20 HP Outdoor Units	Lot	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
32	Flushing the entire system with dry nitrogen For 22 HP Outdoor Units	Lot	1.0			
33	Flushing the entire system with dry nitrogenFor 24 HP Outdoor Units	Lot	1.0			
34	Vacuuming and pressure testing of the entire system For 20 HP Outdoor Units	Lot	1.0			
35	Vacuuming and pressure testing of the entire system For 22 HP Outdoor Units	Lot	1.0			
36	Vacuuming and pressure testing of the entire system For 24 HP Outdoor Units	Lot	1.0			
37	Testing and commissioning of the entire system with required refrigerant R410A top up in the outdoor units For 20 HP Outdoor Units	Lot	1.0			
38	Testing and commissioning of the entire system with required refrigerant R410A top up in the outdoor units For 22 HP Outdoor Units	Lot	1.0			
39	Testing and commissioning of the entire system with required refrigerant R410A top up in the outdoor units For 24 HP Outdoor Units	Lot	1.0			
40	MS Base frame for VRV outdoor units	Lot	1.0			
41	Supplying and fitting of Oxygen Gas Plant with 5.5kv ac motor with filters, refrigeration dryer, air tank, PSA unit with touch screen control, electrical power panel, cabling and with switchover panel. (Medo or Equivalent)	Job	1.0			
42	Supply and fitting of definite size lift as per engineer for 3 storey	unit	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
43	<p>"Main Fire Pump & Equipment HYDRANT/HOSE PIPE/REEL MAKE</p> <p>Supply, installation, testing and commissioning of electrically driven factory assembled centrifugal fire pump, suitable for automatic / manual operation consisting of the following:Horizontal, End Suction centrifugal pump, suitable for operation on 415 volts \pm 6%, 3 phase, 50 HZ A.C supply. Fire pump shall have C.I. casing, CS diffusers, bronze impeller (hard finished and dynamically balanced) and S.S. (304) Shaft with mechanical seal. Squirrel cage induction motor, suitable for operation on 415 volts, 3 phase 50 HZ A.C supply, for the above pump conforming to IP 55 protection & class F insulation. The motor shall conform to IS 325-1978 (up to date) with flexible coupling and coupling guard, complete as required. Common base plate for pump and motor from M.S. Channel for required size.Pump capacity - 2280 LPM,Head - 60 M, RPM - 2900</p> <p>"</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)
44	Supply, installation, testing of jockey pump comprising of the following: vertical multistage centrifugal pump, suitable for operation on 415 volts +- 6%, 3 phase, 50 Hz AC supply. The installation shall be complete in S.S. The pump shall be provided with mechanical seal. The system shall be complete with necessary pressure gauge with gu metal shut off cock on delivery side. Squirrel cage TEFC induction motor TEFC type for operation on 415 V, 3 phase 50 Hz AC supply for the above pump with flexible coupling and coupling guard etc. as required common base plate for a) and b) fro MS channel as required size. For pump defined above & of duty as follows: Flow : 180 LPM, Head: 60 mts, RPM: 2900	Set	2.0			
45	Providing, fixing, testing and commissioning of carbon steel Hydroneumatic vessel 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/cm2 Capacity Size: 450L, Connection: G1 1/4, Installation: Vertical	Set	2.0			
46	Fire Fighting control panel design, manufacture, supply, installation, testing and commissioning of the following integrated, cubicle type, dead front, extensible sheet steel control panel anchoring the panel to the foundation. The panel shall be suitable for 500 volts, 50 cycles, 4 wire supply. Quoted price shall include 25 mm thick rubber mats, wiring, cabling cable tray, control wiring and copper earthing from control panel to various equipment like motor starters, pump motor etc. The panel shall have separate compartments for bus bar and cable alleys. The following components and accessories shall be mounted within each control panel.	Set	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
47	Providing and fixing rock wool sectional pipe insulation of density 144 Kg/cu.m for fire pump exhaust pipes and fittings over a coat of primer held in position with GI bands of 20mm X 24 SWG at 300 c/c complete as required for 150 mm dia pipe - SP insulation 404mm thick	RM	10.0			
48	Providing Laying, Jointing, Testing & Commissioning Sprinkler System- MS class C Heavy class pipe 25 mm dia	RM	50.0			
49	Providing Laying, Jointing, Testing & Commissioning Sprinkler System- MS class C Heavy class pipe 32 mm dia	RM	30.0			
50	Providing Laying, Jointing, Testing & Commissioning Sprinkler System- MS class C Heavy class pipe 40 mm dia	RM	40.0			
51	Providing Laying, Jointing, Testing & Commissioning Sprinkler System- MS class C Heavy class pipe 50 mm dia	RM	30.0			
52	Providing Laying, Jointing, Testing & Commissioning Sprinkler System- MS class C Heavy class pipe 65 mm dia	RM	30.0			
53	Providing Laying, Jointing, Testing & Commissioning Sprinkler System- MS class C Heavy class pipe 80 mm dia	RM	150.0			
54	Providing Laying, Jointing, Testing & Commissioning Sprinkler System- MS class C Heavy class pipe 100 mm dia	RM	70.0			
55	Providing 2 coats of synthetic enamel paint of approved shade over a coat of primer over the cleaned surface which should be free from dust, dirt and rough substance etc. 25 mm dia	RM	50.0			
56	Providing 2 coats of synthetic enamel paint of approved shade over a coat of primer over the cleaned surface which should be free from dust, dirt and rough substance etc. 32 mm dia	RM	30.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
57	Providing 2 coats of synthetic enamel paint of approved shade over a coat of primer over the cleaned surface which should be free from dust, dirt and rough substance etc. 40 mm dia	RM	40.0			
58	Providing 2 coats of synthetic enamel paint of approved shade over a coat of primer over the cleaned surface which should be free from dust, dirt and rough substance etc. 50 mm dia	RM	30.0			
59	Providing 2 coats of synthetic enamel paint of approved shade over a coat of primer over the cleaned surface which should be free from dust, dirt and rough substance etc. 65 mm dia	RM	30.0			
60	Providing 2 coats of synthetic enamel paint of approved shade over a coat of primer over the cleaned surface which should be free from dust, dirt and rough substance etc. 80 mm dia	RM	150.0			
61	Providing 2 coats of synthetic enamel paint of approved shade over a coat of primer over the cleaned surface which should be free from dust, dirt and rough substance etc. 100 mm dia	RM	70.0			
62	Providing and fixing G.M. ball valve (Union / Flanged connection) suitable for working pressure of 15 kg / sqcm of the following size 50 mm dia	NOS	2.0			
63	Providing and fixing G.M. ball valve (Union / Flanged connection) suitable for working pressure of 15 kg / sqcm of the following size 65 mm dia	NOS	2.0			
64	Providing & fixing of G.M. Verticle type non return valve suitable for working pressure of 15 Kg/Sqcm. Including flanges, unions, nuts, bolts & washers complete as required 80 mm dia	NOS	2.0			
65	Providing & fixing of G.M. Verticle type non return valve suitable for working pressure of 15 Kg/Sqcm. Including flanges, unions, nuts, bolts & washers complete as required 150 mm dia	NOS	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
66	Providing and fixing of C.I. wafer type check valve suitable for working pressure of 15 kg/sqcm with flanges, Nut, bolts & washers, painting etc. complete as required (150 mm)	NOS	2.0			
67	Providing & fixing single acting air release valve for sprinkler, standpipe and drain system - 50 mm dia	NOS	2.0			
68	Providing & Fixing of tubine type installation control valve with automatic Alarm Gong connected with control valve, drain & test valve and all other accessories as per manufacturer's specifications complete as required suitable for working pressure of 15 Kg/Sqcm - 150 mm dia	NOS	2.0			
69	Providing & fixing double flanged flexicon rubber expansion joint with unit control of standard length as per manufacturers specifications suitable for working pressure of 15Kg/Sqcm including rubber gaskets, flanges, nuts, bolts and washers complete as required 80 mm dia	NOS	2.0			
70	Providing & fixing double flanged flexicon rubber expansion joint with unit control of standard length as per manufacturers specifications suitable for working pressure of 15Kg/Sqcm including rubber gaskets, flanges, nuts, bolts and washers complete as required 150 mm dia	NOS	2.0			
71	Providing & fixing 80mm dia gun metal single headed fire hydrant landing valve with flanged inlet, brass spindle controlled 63 mm dia female instantaneous outlet type. G. M. coupling, blank cap, chain, twist release type lug & all accessories Conforming to IS: 5290. Including fixing and flanged tapping from wet riser and providing pressure gauge with gun metal ball valve complete as required.	NOS	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
72	Providing & fixing swinging type First Aid hose reel rolled on red colour drum with 36 mts long and 20 mm dia heavy duty Thermoplastic hose (type II / rubber water hose, 20 mm dia stop cock, terminating with G. M. coupling & nozzle of 6mm outlet with shut off valve confirming to IS 8090 - 1976 complete with MS socket for tap-off, drum and brackets for fixing on wall with anchor fastner, bolts & nuts conforming to IS:884-1969 complete as required.	NOS	2.0			
73	Providing & fixing non-perlocating, rubber reinforced lined fire hose pipe for internal fire hydrant (as per IS : 636) of 63 mm dia and length as described below. The hose shall be rated for burst pressure of 35.7 Kg/sqcm. Hose shall be complete with ISI marked brass male & female coupling (IS: 903) bound & rivetted to hose pipe with copper rivets & 1.5 mm copper wire (Location : Internal fire hydrant)a) 15 m length	NOS	4.0			
74	Providing and fixing standard firemans axe with heavy rubber handle.	NOS	2.0			
75	handle. Nos. 3.0 46 Providing and fixing gun metal collecting head of 150 mm dia outlet, suitable for local fire tender handle. Nos. 3.0 46 Providing and fixing gun metal collecting head of 150 mm dia outlet, suitable for local fire tender	NOS	1.0			
76	Providing and fixing inlet breeching four way with 63 mm dia instantaneous inlets conforming to IS 903 fitted with non return valves, 25 mm dia gun metal drain cock, blank cap, brass chains and 150 mm dia flanges suitable for local fire tender complete as required.	NOS	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
77	Providing & fixing gun-metal fire brigade suction hose coupling (drawout connection) with female coupling as per IS: 902-1974 complete with 150 mm dia GI suction pipe and 150 mm dia foot valve (to be connected to static tank). Provision of GI drop pipe and foot valve shall be made in all the fire water static storage tanks (4 Nos) (GI pipe to be paid separately through appropriate item while cost of foot valve to be included).	SET	2.0			
78	Providing and fixing Fire Hose Cabinet with 6 mm thick glass door of size 2.1m x 0.9m along with anodised aluminium frame with centre opening for FHC. Suitably marked on the outside with the letters "FIRE HOSE" including 'locking arrangement. (Vendor shall submit the shop drawing / sample for approval of Interior Designer / Architect / Owner before dispatching the material).	NOS	2.0			
79	Providing and fixing Co2 gas type fire extinguisher conforming to IS:15683 with insulated discharge horn, mounting bracket ISI marked extinguisher and valve, 4.5 kg capacity with initial refill.	NOS	2.0			
80	ABC (Powder Type) Fire Extinguisher. In HP Mild Steel Cylinders ISI marked fitted with pressure indicating gauge, internal tube, squeeze lever type valve fully charged with ABC powder (Mono Ammonium Phosphate) pressured by Nitrogen complete in all respects including wall suspension bracket and conforming to IS:1349-1993 a) Capacity 6 Kg	NOS	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
81	Getting approval of fire protection system from local fire authority or any other relevant authority at initial & various stages of works, including preparation of required document / drawings as per fire authority. Contractor shall include cost of all liaison works which are not mentioned above but are mandatory to have fire authority approval (any statutory charges shall be paid extra)	JOB	1.0			
82	"Supplying, installation, testing & Commissioning of Intelligent Addressable Networkable 1 Loop Fire Alarm Control Panel Upgradable upto 2 Loop system complete with more than 80 Char LCD multi-line display and 2 GB dedicated compact flash memory for on-site system programming and information storage. Each loop shall be able to connect 64 devices (Detector or Module) per loop in any combination with 10% spare capacity for Detector in each & every loop along with 2 addressable NAC ckt to connect intelligent addressable sounder and strobe unit with required power supply, battery charger along with required SMF batteries for 24 hours in normal condition and Panel, Ready to Upgradable BACnet interface for BMS integration and Remote Access Interface via interface Link Internet Interface to access panel over TCP/IP, Automatically send emails and Compatible with PDA's, Internet Email service & ISP Email Services. (UL, ULC listed & FM approved)..Make: Simplex Model: EDWARDS IO64"	SET	1.0			
83	"Supplying, installation, testing & Commissioning of Intelligent Addressable smoke detector along with Base as per specification with sensitivity range from 0.2% to 3.7% / ft obscuration and Shall support digitally communication along with Magnetically operated functional test. (UL, ULC listed & FM approved). Make: Simplex or Eqp"	SET	60.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
84	"Supplying, installation, testing & Commissioning of Intelligent Addressable Isolator as per specification with sensitivity range from 0.2% to 3.7% / ft obscuration and Shall support digitally communication along with Magnetically operated functional test. (UL, ULC listed & FM approved). Make: Simplex or Eqv"	SET	2.0			
85	Supplying, installation, testing & Commissioning of Intelligent Addressable type Heat Detector along with base as per specification. Rate- of-rise temperature range is at 8.3° C / 11.1° C per min and Fixed temperature sensing is independent of rate-of-rise sensing to operate at 57.2° C / 68° C Support digitally communication and Magnetically operated functional test as per UL listing. (UL, ULC listed & CSFM, MEA, FM approved) Make Simplex or Eqv	SET	2.0			
86	Supplying, installation, testing & Commissioning of Intelligent Addressable Fire Alarm Panel 2 zone. Brand:Honeywell	SET	1.0			
87	Supplying, installation, testing & Commissioning of Intelligent Addressable Manual call points - Pull station suitable for wall/column mounting	SET	9.0			
88	Supplying, installation, testing & Commissioning of Intelligent Addressable Hooter cum strobe.	SET	15.0			
89	"Supply, install and testing of 2 x 2.5 sq mm PVC sheathed copper conductor 1100 volts grade flexible FRLS wires of approved make in concealed or surface mounted 20mm dia GI conduit including fixing, supporting, saddling & flexible conduit etc complete in all respect"	RM	2000.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
90	"Supply, install and testing 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 20mm dia GI conduit including fixing, supporting, saddling & flexible conduit etc complete in all respect."	RM	2000.0			
91	Supply of 8mm Aluminium Solid Round Conductor for building terrace as a air terminal to meet the requirements of IEC 62305 and IEC 62561-2.	RM	375.0			
92	Supply of Parapet conductor holder for fixing 8mm Aluminium conductor on the parapet surface to meet the requirement of IEC - 62305	NOS	360.0			
93	" Supply of Terrace Conductor Holder for Aluminium Conductor above concrete Terrace fixed with white cement to meet the requirements of IEC 62305. "	NOS	25.0			
94	Supply of suitable Stainless Steel cross connector for 8- 10 mm round AL conductor to meet the requirement of IEC - 62305.	NOS	30.0			
95	Supply of Expansion Piece with connector to compensate the expansion and contraction of Solid Round Al. Conductor during temperature variations to be provided on conductors length over 20 meters with Expansion Piece Connector for to connect Solid Round Al. Conductor at both ends to meet the requirements for IEC 62305	NOS	14.0			
96	Supply of Straight conductor connector for interconnecting 8mm Aluminium conductor to meets the requirement of IEC 62305. Tested for Electrical , Mechanical and chemical as per IEC 62561.	NOS	10.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
97	Supply of 3 metre Vertical Air terminal of dia 16-10 mm with Complete Support of Wall Clamp selected as per angle of protection chart to meet the requirement of IEC 62305. Tested for Electrical, Mechanical and Chemical as per IEC 62561. VAT 3 with mounting accessories on parapet surface (includes - VAT 3 + interception tip + Wall Clamp + connecting point)	NOS	2.0			
98	"Supply of 3 metre Vertical Air terminal of dia 16-10 mm with Complete Support of Concrete Base (370mm dia) and Air Terminal Conductor joining Clip selected as per angle of protection chart to meet the requirement of IEC 62305. Tested for Electrical, Mechanical and Chemical as per IEC 62561. VAT 3 with mounting accessories on flat surface (includes - VAT 3 + interception tip + Base support stone + air terminal joining clip)"	NOS	35.0			
99	" Supply of 8mm Aluminium Solid Round Conductor for building terrace as a air terminal to meet the requirements of IEC 62305 and IEC 62561-2. "	Mtr	111.0			
100	Supply of conductor holder for fixing the (wall) 8 mm Aluminium down conductor to meet the requirement of IEC - 62305	NOS	100.0			
101	" Supply of Test Joint with enclosure suitable connector for 8 mm round Al. conductor & 10 mm round copper coated conductor to meet the requirement of IEC - 62305. "	NOS	10.0			
102	" Supply of Lightning Counter as per IEC 62561-6 and certified by RoHS, CE installed on Direct on Down Conductor and Maximum Withstand Current (10/350) [Imcw] is 100 kA "	NOS	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
103	Supply of 10 mm copper bonded Round steel solid Conductor for ring earthing meet the requirements of IEC 62305 and IEC 62561-2	Mtr	40.0			
104	Supply of conductor holder for fixing the (wall) down conductor after test joint for holding 10 mm copper boanded Round steel solid Conductor to meet the requirement of IEC - 62305	NOS	10.0			
105	"15.1 Supply of UL Listed Maintenance Free Copper coated Earth rod of 3 mtr length having the dia of 25mm mm with copper coating thickness of 250 microns. The rod has been tested for Dimension, Marking, Tensile Strength, Salt mist, coating thickness, Electrical resistivity test before and after corrosion test as per IEC 62561-2 & UL 467. 15.2 Supply of earth enchancing mineral compound tested for leaching and TCLP with NABL accredited Lab as per IEC 62561-7 -37.5 kg 15.3 Supply of Universal Clamp made up of stainless steel for terminating cable / flat conductor. 15.4 Supply of Heavy duty Chamber Inspection Pit made up of plastic material."	Sets	8.0			
106	Supply of Insulation Conduict (12-14 mm dia)	Mtr	45.0			
107	"Site Verification /Lightning System Supply and Delivery/Installation, testing & Commissioning. Complete installation of Lightning System along with instalation of proper chemical earthing system ensuring earth resistance as per IEC. It Includes sll Labour Cost."	LS	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
108	"4 Pole SPD (Type 1+2) 1. Innovative design: direct connection, no fuses, environmentally- sealed SPD 2. Fully recognized to UL 1449 4th edition 3. Compliance to IEC 61643-11 4. Nominal Discharge Current per UL 1449 4th edition and IEC 61643-11, 20kA 5. Maximum Surge Current (8/20µs) per NEMA LS-1, 60kA 6: Available in a variety of operating voltages 7. Uc=320 V, In=20KA, Iimp=12.5KA, Imax=50KA, Up<=1.5KV"	NOS	6.0			
109	" All the needed and miscellaneous instruments/parts/Wire 25 mm2 /Conduits etc. that are needed for SPD installation. " " All the needed and miscellaneous instruments/parts/Wire 25 mm2 /Conduits etc. that are needed for SPD installation. "	LOT	2.0			
110	Site Verification /Lightning System Supply and Delivery/Installation, testing & Commissioning.	PS	1.0			

Addendum No: 1

Published On: 21-03-2023 15:00

Following Changes are made in the Bid Document

Chapter: Experience/2.4.2 (b) Construction Experience in Key Activities

S.No	Relavant Clause No / Name	Existing Clause	Modified Clause
1	2.4.2 (b) Construction Experience in Key Activities	For the above or other contracts executed during the period stipulated in 2.4.2(a) above, a minimum construction experience in the following key activities: must meet all requireme nts must meet all requirement s not applicabl e not applicabl e For m EXP - 2(b) 1:-RCC works M20 or Above=1650.00Cum 2:-Reinforcement = 135.00 MT 3-At least one HVAC (heating, ventilation, and air conditioning) works in a building project	For the above or other contracts executed during the period stipulated in 2.4.2(a) above, a minimum construction experience in the following key activities: must meet all requireme nts must meet all requirement s not applicabl e not applicabl e For m EXP - 2(b) 1:-RCC works M20 or Above=1650.00Cum 2:-Reinforcement = 135.00 MT

Chapter: Personnel Requirements S.No 5 Refrigeration & Air Conditioning sub engineer

S.No	Relavant Clause No / Name	Existing Clause	Modified Clause
1	Personnel Requirements S.No 5 Refrigeration & Air Conditioning sub engineer	Required no:1 Academic Qualification: Diploma in Refrigeration & Air Conditioning Total Work Experience: 3 Year Similar Work Experience : 1 Year	Omitted.N/A