

BILLING OF QUANTITIES – PART: 1**Name****Of Construction of New Building of State Guest House at Annexe Circuit House Campus, Shahibaug, Ahmedabad****Work****SCHEDULE-B****MEMORANDUM SHOWING THE ITEMS OF WORKS TO BE CARRIED OUT**

Item No	Items of works	Quantity	Unit	Rates		Amount
				In Figure	In words	
	Civil Work					
1	Dismantling doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment etc. complete and stacking them within all lead and lift.(i) Not exceeding 3 Sq.M. in area.	299.00	Each			
2	Dismantling doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment etc. complete and stacking them within all lead and lift.(i) exceeding 3 Sq.M. in area.	43.00	Each			
3	Dismantling C.I. pipes G.S.W.pipes and A.C. rain water pipes with fittings and clamps including stacking the materials with all lead and lift (for any dia, of pipe)	211.20	Rmt			
4	Dismantling sanitary fittings like wash basin . W.C. pan Indian and European type, flushing tank etc. including stacking the materials with all lead and lift.	67.00	Each			
5	Dismantling tiled of stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	2515.67	Smt			
6	Dismantling aluminium/Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge	2126.61	Smt			
7	Dismantling of sheet roofing including ridges, Hips, Valleys, Gutters etc. stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.(i) G.I.sheet roofing.	104.45	Smt			
8	Dismantling wood work, wrought framed and fixed in frames trusses including stacking the materials with all lead and lift.	5.54	Cum			
9	Dismantling steel work including distempering and stacking the materials with all lead and lift.	2314.18	Kg			
10	Demolition and disposal of unserviceable materials with all lead and lift.(i) Unreinforced cement concrete.	232.50	Cum			
11	Demolition including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.[I] R.C.C. Work	1124.03	Cum			
12	Demolition of brick work/stone masonry in CM including stacking of serviceable materials and disposal of unserviceable materials with all lead & lift In cement mortar	857.10	Cum			

13	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and Lift upto 1.5 m. All kind of Soil	1741.00	Smt			
14	Excavation for foundation up to 1.5m depth including sorting out and stacking of useful materials and disposing off the excavated stuff up to 50 Meter lead.(A) Loose or soft soil	2863.00	Cu.M			
15	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	2840.00	Cum			
16	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing of the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	2946.00	Cum			
17	Extra for additional depth more than 5.0 m for excavation for foundation including sorting out and stacking of useful materials and disposing of the excavated stuff upto 50 m lead.(A) Loose or soft soil	7.00	Cum			
18	Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. In layers not exceeding 20 cm. in depth consolidating each disposed layer by ramming and watering	6215.00	Cum			
19	Filling in plinth with sand under floors including watering ramming, consolidating and dressing complete	219.00	Cum			
20	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. complete.	219.00	Cum			
21	Plinth Treatment : Carrying out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistent with I.S.I specification. Using Chlordene and Chlorpyrifos 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e one litre 20 EC chemical emulsion with 19 liter give 1% concentration inclusive of one litre chemical emulsion application at the rate of 5 Litre chemical / Sqm of surface is recommended as per I.S.	1692.00	Smt			

22	<p>Anti-Termite System: Providing and laying of permanent piping technology anti-termite treatment before flooring work by installing LLDP (Low linear density polyethylene) tube of 8 mm O.D. & 6.4 mm I.D. with inbuilt pressure compensation chip every 30 cm interval in the tube, having working pressure of 2 Kg/cm² and release rate of 1.9 ltr/hour fixed by P-clips and nails. The LLDP pipe shall be installed at the entire periphery of the building and at internal network of building at a depth of 20 to 200 mm under floor at every 2 to 3 mtr. c/c distance (adjusted as per building layout) & Ends of loop pass through a PVC elbow of minimum 32 mm ID at junction box of wall and floor level, entering into a steel reinforced grooved flexible pipe of minimum 22 mm ID leading into junction box and the loops shall terminate in junction boxes & test every junction during injecting chemicals for termite control treatment. The anti termite chemical Imidacloprid 30.5% SC mix as per IS-6313 (part III) shall be injected by the pressure pump diluted with water @ 10.5 ml/5 ltr of water at the rate of 2 Kg/sq.cm @ 5 Ltr/SMT. The contractor shall submit approved line plan for piping system and junction boxes dully approved by Engineer-in-Charge with bond of 5 year warranty.(i)Anti Termite chemical injected area (Chemical injecting incl. labour cost)at all floors / all levels / all heights</p>	8760.00	Smt			
23	<p>PCC Work (M-15): Providing and laying controlled cement concrete M.150 and curing complete Including the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete</p> <p>The following grades of concrete adding polyester propylene (PP) fiber of length 10 mm to 14 mm for better compressive and tensile strength and adding water proofing chemical compound to reduce permeability to ensure water tightness, the water proofing compound required dosage is @300 ml /50KG cement bag and confirming to IS-2645:2003.also add curing compound of approved make by EIC at the rate of 0.33 lit/smt for cement to fully hydrate to ensure maximum strength, durability, prevent cracks and surface defects for specially large scale project.</p>	445.00	Cum			

24	<p>Foundation (M-35): Providing and laying in position Ready Mixed M-350 grade concrete for reinforced cement concrete work in Foundations of different types such as isolated footing, strip footing or Raft/mass concrete footing using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, including the cost of centering shuttering finishing and cost of admixtures in recommended proportions as per IS : 9103 to accelerate /retard setting of concrete, improve workability without impairing strength and durability excluding the cost of reinforcement including all lead and lift as per direction of the Engineer-in - charge. Without Fly Ash (Min cement level as per latest IS456 shall be maintained) (Cement level 500 kg)</p> <p>The following grades of concrete adding polyester propylene (PP) fiber of length 10 mm to 14 mm for better compressive and tensile strength and adding water proofing chemical compound to reduce permeability to ensure water tightness, the water proofing compound required dosage is @300 ml /50KG cement bag and conforming to IS-2645:2003.add curing compound of approved make by EIC at the rate of 0.33 lit/smt for cement to fully hydrate to ensure maximum strength, durability, prevent cracks and surface defects for specially large scale project.</p>	1808.89	Cum			
25	<p>Column (M-35): Providing and laying in position Ready Mixed M-350 grade concrete for reinforced cement concrete work, using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, including the cost of centering shuttering finishing and cost of admixtures in recommended proportions as per IS : 9103 to accelerate /retard setting of concrete, improve workability without impairing strength and durability excluding the cost of reinforcement for (A) Columns up to first floor including all lead and lift as per direction of the Engineer-in - charge. Without Fly Ash (Min cement level as per latest IS456 shall be maintained) (Cement level 500 kg)</p> <p>The following grades of concrete adding polyester propylene (PP) fiber of length 10 mm to 14 mm for better compressive and tensile strength and adding water proofing chemical compound to reduce permeability to ensure water tightness, the water proofing compound required dosage is @300 ml /50KG cement bag and conforming to IS-2645:2003.add curing compound of approved make by EIC at the rate of 0.33 lit/smt for cement to fully hydrate to ensure maximum strength, durability, prevent cracks and surface defects for specially large scale project.</p>	168.10	Cum			

26	<p>Column (M-30): Providing and laying in position Ready Mixed M-300 grade concrete for reinforced cement concrete work, using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, including the cost of centering shuttering finishing and cost of admixtures in recommended proportions as per IS : 9103 to accelerate /retard setting of concrete, improve workability without impairing strength and durability excluding the cost of reinforcement (B) Columns for above First floor to fourth floor including all lead and lift as per direction of the Engineer- in - charge. Without Fly Ash (Min cement level as per latest IS456 shall be maintained) (Cement level 475 kg)</p> <p>The following grades of concrete adding polyester propylene (PP) fiber of length 10 mm to 14 mm for better compressive and tensile strength and adding water proofing chemical compound to reduce permeability to ensure water tightness, the water proofing compound required dosage is @300 ml /50KG cement bag and confirming to IS-2645:2003. add curing compound of approved make by EIC at the rate of 0.33 lit/smt for cement to fully hydrate to ensure maximum strength, durability, prevent cracks and surface defects for specially large scale project.</p>	201.99	Cum			
27	<p>Column (M-25): Providing and laying in position Ready Mixed M-250 grade concrete for reinforced cement concrete work, using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, including the cost of centering shuttering finishing and cost of admixtures in recommended proportions as per IS : 9103 to accelerate /retard setting of concrete, improve workability without impairing strength and durability excluding the cost of reinforcement for (C) Columns for above fourth floor to terrace floor level including all lead and lift. as per direction of the Engineer- in - charge. Without Fly Ash (Min cement level as per latest IS456 shall be maintained) (Cement level 450 kg)</p> <p>The following grades of concrete adding polyester propylene (PP) fiber of length 10 mm to 14 mm for better compressive and tensile strength and adding water proofing chemical compound to reduce permeability to ensure water tightness, the water proofing compound required dosage is @300 ml /50KG cement bag and confirming to IS-2645:2003. add curing compound of approved make by EIC at the rate of 0.33 lit/smt for cement to fully hydrate to ensure maximum strength, durability, prevent cracks and surface defects for specially large scale project.</p>	294.68	Cum			

28	<p>Plinth Beams (M-25): Providing and laying in position Ready Mixed M-250 grade concrete for reinforced cement concrete work, using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, including the cost of centering shuttering finishing and cost of admixtures in recommended proportions as per IS : 9103 to accelerate /retard setting of concrete, improve workability without impairing strength and durability excluding the cost of reinforcement as per direction of the Engineer- in - charge. Without Fly Ash (Min cement level as per latest IS456 shall be maintained) (Cement level 450 kg) (A) Slabs, landing, shelves, Balconies, Lintels, Beams, Girders and Cantilever including all lead and lift</p> <p>The following grades of concrete adding polyester propylene (PP) fiber of length 10 mm to 14 mm for better compressive and tensile strength and adding water proofing chemical compound to reduce permeability to ensure water tightness, the water proofing compound required dosage is @300 ml /50KG cement bag and confirming to IS-2645:2003. add curing compound of approved make by EIC at the rate of 0.33 lit/smt for cement to fully hydrate to ensure maximum strength, durability, prevent cracks and surface defects for specially large scale project.</p>	101.86	Cum			
29	<p>Grade Slab (M-25): Providing and laying in position Ready Mixed M-250 grade concrete for reinforced cement concrete work, using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, including the cost of centering shuttering finishing and cost of admixtures in recommended proportions as per IS : 9103 to accelerate /retard setting of concrete, improve workability without impairing strength and durability excluding the cost of reinforcement as per direction of the Engineer- in - charge. Without Fly Ash (Min cement level as per latest IS456 shall be maintained) (Cement level 450 kg) (A) Slabs, landing, shelves, Balconies, Lintels, Beams, Girders and Cantilever including all lead and lift</p> <p>The following grades of concrete adding polyester propylene (PP) fiber of length 10 mm to 14 mm for better compressive and tensile strength and adding water proofing chemical compound to reduce permeability to ensure water tightness, the water proofing compound required dosage is @300 ml /50KG cement bag and confirming to IS-2645:2003. also add curing compound of approved make by EIC at the rate of 0.33 lit/smt for cement to fully hydrate to ensure maximum strength, durability, prevent cracks and surface defects for specially large scale project.</p>	225.88	Cum			

30	<p>Slab (M-25): Providing and laying in position Ready Mixed M-250 grade concrete for reinforced cement concrete work, using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, including the cost of centering shuttering finishing and cost of admixtures in recommended proportions as per IS : 9103 to accelerate /retard setting of concrete, improve workability without impairing strength and durability excluding the cost of reinforcement (A) Slabs, landing, shelves, Balconies, Lintels, Beams, Girders and Cantilever upto any height including all lead and lift as per direction of the Engineer- in - charge. Without Fly Ash (Min cement level as per latest IS456 shall be maintained) (Cement level 450 kg)</p> <p>The following grades of concrete adding polyester propylene (PP) fiber of length 10 mm to 14 mm for better compressive and tensile strength and adding water proofing chemical compound to reduce permeability to ensure water tightness, the water proofing compound required dosage is @300 ml /50KG cement bag and confirming to IS-2645:2003. also add curing compound of approved make by EIC at the rate of 0.33 lit/smt for cement to fully hydrate to ensure maximum strength, durability, prevent cracks and surface defects for specially large scale project.</p>	1454.60	Cum			
31	<p>Floor Beams (M-25): Providing and laying in position Ready Mixed M-250 grade concrete for reinforced cement concrete work, using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, including the cost of centering shuttering finishing and cost of admixtures in recommended proportions as per IS : 9103 to accelerate /retard setting of concrete, improve workability without impairing strength and durability excluding the cost of reinforcement (A) Slabs, landing, shelves, Balconies, Lintels, Beams, Girders and Cantilever upto any height including all lead and lift as per direction of the Engineer- in - charge. Without Fly Ash (Min cement level as per latest IS456 shall be maintained) (Cement level 450 kg)</p> <p>The following grades of concrete adding polyester propylene (PP) fiber of length 10 mm to 14 mm for better compressive and tensile strength and adding water proofing chemical compound to reduce permeability to ensure water tightness, the water proofing compound required dosage is @300 ml /50KG cement bag and confirming to IS-2645:2003. also add curing compound of approved make by EIC at the rate of 0.33 lit/smt for cement to fully hydrate to ensure maximum strength, durability, prevent cracks and surface defects for specially large scale project.</p>	654.03	Cum			

32	<p>RCC Wall (M-35): Providing and laying in position Ready Mixed M-350 grade concrete for reinforced cement concrete work, using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, including the cost of centering shuttering finishing and cost of admixtures in recommended proportions as per IS:9103 to accelerate /retard setting of concrete, improve workability without impairing strength and durability excluding the cost of reinforcement for (A) RCC wall upto first floor including all lead and lift as per direction of the Engineer- in- charge. Without FlyAsh (Min cement level as per latest IS 456 shall be maintained) (Cement level 500 kg)</p> <p>The following grades of concrete adding polyester propylene (PP) fiber of length 10 mm to 14 mm for better compressive and tensile strength and adding water proofing chemical compound to reduce permeability to ensure water tightness, the water proofing compound required dosage is @300 ml /50KG cement bag and confirming to IS-2645:2003.also add curing compound of approved make by EIC at the rate of 0.33 lit/smt for cement to fully hydrate to ensure maximum strength, durability, prevent cracks and surface defects for specially large scale project.</p>	286.78	Cum			
33	<p>RCC Wall (M-30): Providing and laying in position Ready Mixed M-300 grade concrete for reinforced cement concrete work, using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, including the cost of centering shuttering finishing and cost of admixtures in recommended proportions as per IS:9103 to accelerate /retard setting of concrete, improve workability without impairing strength and durability excluding the cost of reinforcement (B) RCC wall above first floor to fourth floor including all lead and lift as per direction of the Engineer- in- charge. Without FlyAsh (Min cement level as per latest IS 456 shall be maintained) (Cement level 475 kg)</p> <p>The following grades of concrete adding polyester propylene (PP) fiber of length 10 mm to 14 mm for better compressive and tensile strength and adding water proofing chemical compound to reduce permeability to ensure water tightness, the water proofing compound required dosage is @300 ml /50KG cement bag and confirming to IS-2645:2003.also add curing compound of approved make by EIC at the rate of 0.33 lit/smt for cement to fully hydrate to ensure maximum strength, durability, prevent cracks and surface defects for specially large scale project.</p>	81.80	Cum			

34	<p>RCC Wall (M-25): Providing and laying in position Ready Mixed M-250 grade concrete for reinforced cement concrete work, using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, including the cost of centering shuttering finishing and cost of admixtures in recommended proportions as per IS:9103 to accelerate /retard setting of concrete, improve workability without impairing strength and durability excluding the cost of reinforcement for (C) RCC wall above fourth floor to terrace floor level including all lead and lift as per direction of the Engineer- in- charge. Without FlyAsh (Min cement level as per latest IS 456 shall be maintained) (Cement level 450 kg) for above first floor to fourth floor including all lead and lift.</p> <p>The following grades of concrete adding polyester propylene (PP) fiber of length 10 mm to 14 mm for better compressive and tensile strength and adding water proofing chemical compound to reduce permeability to ensure water tightness, the water proofing compound required dosage is @300 ml /50KG cement bag and confirming to IS-2645:2003.also add curing compound of approved make by EIC at the rate of 0.33 lit/smt for cement to fully hydrate to ensure maximum strength, durability, prevent cracks and surface defects for specially large scale project.</p>	146.56	Cum			
35	<p>Staircase (M-25): Providing and laying in position Ready Mixed M-250 grade concrete for reinforced cement concrete work, using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, including the cost of centering shuttering finishing and cost of admixtures in recommended proportions as per IS : 9103 to accelerate /retard setting of concrete, improve workability without impairing strength and durability excluding the cost of reinforcement for (A) Staircase and landing slab upto any height including all lead and lift as per direction of the Engineer- in - charge. Without Fly Ash (Min cement level as per latest IS456 shall be maintained) (Cement level 450 kg)</p> <p>The following grades of concrete adding polyester propylene (PP) fiber of length 10 mm to 14 mm for better compressive and tensile strength and adding water proofing chemical compound to reduce permeability to ensure water tightness, the water proofing compound required dosage is @300 ml /50KG cement bag and confirming to IS-2645:2003.also add curing compound of approved make by EIC at the rate of 0.33 lit/smt for cement to fully hydrate to ensure maximum strength, durability, prevent cracks and surface defects for specially large scale project.</p>	92.25	Cum			

36	<p>Lintel (M-25): Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork and excluding the cost of reinforcement for reinforced concrete work in (A) Slabs, landing, shelves, Balconies, Lintels, Beams, Girders and Cantilever upto any height including all lead and lift</p> <p>The following grades of concrete adding polyester propylene (PP) fiber of length 10 mm to 14 mm for better compressive and tensile strength and adding water proofing chemical compound to reduce permeability to ensure water tightness, the water proofing compound required dosage is @300 ml /50KG cement bag and confirming to IS-2645:2003.also add curing compound of approved make by EIC at the rate of 0.33 lit/smt for cement to fully hydrate to ensure maximum strength, durability, prevent cracks and surface defects for specially large scale project.</p>	246.58	Cum			
37	<p>Chhajja (M-25): Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork and excluding the cost of reinforcement for reinforced concrete work in (A) Slabs, landing, shelves, Balconies, Lintels, Beams, Girders and Cantilever upto any height including all lead and lift</p> <p>The following grades of concrete adding polyester propylene (PP) fiber of length 10 mm to 14 mm for better compressive and tensile strength and adding water proofing chemical compound to reduce permeability to ensure water tightness, the water proofing compound required dosage is @300 ml /50KG cement bag and confirming to IS-2645:2003.also add curing compound of approved make by EIC at the rate of 0.33 lit/smt for cement to fully hydrate to ensure maximum strength, durability, prevent cracks and surface defects for specially large scale project.</p>	181.81	Cum			
38	Brick work using brick made from C&D (Construction & Demolition) waste building bricks having crushing strength not less than 35kg. / Sq.Cm. in foundation and plinth and in Superstructure upto any floor level in Cement Mortar 1:5. (1- Cement : 5-fine sand) complete including all lead and lift	2222.46	Cum			
39	Half brick masonry using brick made from C&D (Construction & Demolition) waste building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4 (1- Cement : 4-coarse sand) in foundation and plinth & in superstructure upto any floor level. complete including all lead and lift	823.96	Smt			
40	Fiberglass Mesh : Providing and Fixing Fiberglass Mesh with alkali resistant coating having mass per unit area 145 gram/M2, Mesh size 3.9 x 4.0 mm +_ 10% with all labour and accessories of fixing. As per direction of Engineer-in-charge. at all floors / all levels / all heights	459.47	Smt			
41	DPC: Providing and laying damp proof course 25 mm thick cement concrete 1:2:4 (1-Cement: 2 coarse sand: 4 stone aggregate 10 mm nominal size) and curing complete	126.11	Smt			
42	TMT Bar(Fe 550 D) : Providing TMT Bar FE 550 D reinforcement for R.C.C. work including bending, binding and placing in position complete up to any floor level including all lead and lift (Primary Produces steel TATA, RINL, VIZAG, SAIL, JSW)	671062.00	Kg			

43	Epoxy Coating on Reinforcement Bar: Providing fusion bonded Epoxy coating not less than 175 micron thickness and up to 300 micron to reinforcement bars as per IS 13620-1993/ASTM-775 M including testing of coating at plant and all taxes (A) 10mm to 32mm dia bar	671062.00	Kg			
44	Expansion Joints : Providing and fixing in expansion joint 50 mm thick SIL FLEX (Capcell HD 100) expansion joint board of best quality and approved make including cutting to required size and shape at all levels etc. complete as directed.at all floors / all levels / all heights	202.80	Smt			
45	Expansion Joints : Applying and providing Expansion joint sealing System on 100 mm wide joint including cleaning of exansion joint by mechanical means provision of adhesive and flexible membrane with required bond length as per menufracturer specification and 4mm thick alluminium strip covering with one side sloted and bolted with suitable system, inclusive of all manpower, machinery and material as per specification and as directed.at all floors / all levels / all heights	179.00	Rmt			
46	Expansion Joints : Providing and fixing 25 cm Wide & 3mm thick exterior composite panel on existing expansion joint horizontally & vertically with all material, hardware, acessories & fittings etc completed.at all floors / all levels / all heights	153.10	Smt			
47	Expansion Joints : Providing and filling the Expansion joint by Dow Corning Contractors Concrete Sealant as per required shade and manufracturer specification by making groove of 100 mm x 12.5 mm lather by cutting or by repairing groove and removing mortar drop or any other foreign materials including applying primer and filling required size etc. complete.at all floors / all levels / all heights	612.40	Rmt			
48	Expansion Joints : Providing and filling the expansion joint by Thioflex 600 polymer or equivalent confirm to BS 4254-1983 as per required shade and manufactured specifi-cation by making groove of 50 mm x 12.5 mm lather by cutting or by repairing groove and removing mortar drop or any other foreign materials including applying primer and filling required size (oversize of joint PU foam etc. complete.at all floors / all levels / all heights	612.40	Rmt			
49	15mm Plaster : Providing 15mm thick cement plaster in single coat on Rough (Similar) side of single or half brick walls for interior plastering at all floors / all levels / all heights and finished even and smooth in(i) Cement mortar 1:3 (1-cement:3-sand) including all lead and lift	20142.26	Smt			
50	10mm Plaster: Providing 10mm thick cement plaster in single coat on brick /concrete walls for interior plastering on walls and ceilings & soffit of stiarcase at all floors / all levels / all heights and finished even and smooth in (i)Cement mortar 1:3 (1-cement: 3-sand) including all lead and lift	9658.79	Smt			

51	20mm Double coat Plaster: Providing 20 mm thick double coat mala/Sandface cement plaster on interior brick / concrete work for plastering comprising of base coat of 12mm thick cement plaster in cement mortar 1:3 (1 Cement : 3 coarse sand) in rough finishing and 8mm thick top coat of cement mortar 1:1 (1 Cement : 1 Coarse sand) finished with trowel including scaffolding curing etc. at all floors / all levels / all heights complete including all lead and lift	4650.00	Smt			
52	Cement Vata : Providing cement vata (10cm. x 10 cm. size) quarter round in cement mortar 1:1 including neat cement finishing, watering etc. complete at all floors / all levels / all heights	1743.61	Rmt			
53	Making Grooves in Plaster: Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections at all floors / all levels / all heights	1610.55	Rmt			
54	Putty & Primer : Applying two coats of putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth at all floors / all levels / all heights including all lead and lift	34528.76	Smt			
55	Royal Touch Paint: Providing and applying royal touch paint on ceiling and walls as per instructions of Engineer-in-Charge. The method should be inclusive of 1 coat primer and 2 coats of approved shade of royal paint as per specifications at all floors / all levels / all heights including all lead and lift Paint Should be Low VOC content as per the GRIHA 3star/IGBC gold rating	15108.76	Smt			
56	Luxture Texture: Providing and applying Luxture Texture with basecoat 2 mm thick with durabond 1 bag 1.5 litre and top coat upto 5 mm thick on Interior Walls & Exterior walls with with different style, shade, finish and texture coat including all material, labour , Transportation and all accessories, scaffolding & support system. Design as per Architect's Selection and as per the direction of Engineer-in-charge at all floors / all levels / all heights including all lead and lift Paint Should be Low VOC content as per the GRIHA 3star/IGBC gold rating	4650.00	Smt			
57	Granite Stone: Providing and fixing 18 mm thick polished machine cut for sill and jambs or dedo, stair landing, tread, riser of steps and skirting and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:3 (1 cement : 3 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour, texture and polish as per selection by Architect and as per the direction of Engineer-in-charge. at all floors / all levels / all heights	1300.84	Smt			

58	<p>Providing & applying AQUASTOP FLEX , a liquid applied and Eco rated product, having high adhesion of 1.5 N/mm² with 100% water resistant, laid in two successive coats with consumption not less than 1.15 kg/sqm/mm and to completing the application as per manufacturer 's laying specifications. The item shall include cleaning RCC slab with high pressure water to expose construction joints, corners & crack i/n complete removal of parting material, laitance etc followed by P/L injection grouting system wherever required using plasticizer mixed with cement slurry to required viscosity & to be injected through nozzles fixed @ 0.75- 1.0 mtr linally ensuring 2.5 to 5kg/cm² pressure consolidating the joints, cracks & honeycomb areas; this will further include repairing & filling of wider cracks, joints with 1:3 cement - sand mortar admixed with Keraplast P6 @10% by weight of cement, sawing out 20mm X 20mm V shaped chase finished & dressed properly & followed by the application of insatallation of angle fillets at all corners.The item shall also include treatment of bore packings, pipe sealing & fixtures.at all floors / all levels / all heights</p>	295.28	Smt			
59	<p>Water Proofing Treatment in Sunken Portion of WCs & Bathroom: Providing and laying Water proofing treatment in sunken portion of WCS, Bathrooms etc. by applying cement slurry mixed with water proofing cement compound consisting of applying: (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @0.253 kg/sqm. This layer will be allowed to air cure for 4 hours . (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm.This layer will be allowed to air cure for 4 hours followed with water curing for48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners of pipes and masonry with polymer mixed slurry. at all floors / all levels / all heights</p>	295.28	Smt			
60	<p>Polymer modified Water Proofing Providing and applying two component cement based polymer modified flexible ,elastic water Water Proofing in Two coat layer Treatment with hard brush or trowel to give even coverage.the consumption range is 20-22 Sqft per unit of 2 kg to creat a uniform film on surface. 1-apply one coat of SBR Primer on surface area. 2- Apply Two Coat Part 1- crystalline whitish grey powder), part 2- syrupy white milky liquid in mixing ratio 1:1, parts by weight to be used. for curing time 3 days and surface dry time 1 to 2 hr of open air.at all floors / all levels / all heights</p>	507.93	Smt			

61	<p>WATER PROOFING: (for terrace , Garden, water bodies)Providing & applying a liquid applied and Eco rated product, having high adhesion of >2N/mm² and breathability >1 billion/cm² with 100% water resistant, laid in two successive coats of approx. 1mm thk each with consumption NO'St less than 1.15 KG/sqm/mm of coat and AR1, an anti alkali glass-fiber reinforcement mesh embedded between the coats, to completing the application as per manufacturer 's laying specifications. The item shall include cleaning RCC slab with high pressure water to expose construction joints, corners & crack i/n complete removal of parting material, laitance etc followed by P/L injection grouting system wherever required using plasticizer mixed with cement slurry to required viscosity & to be injected through NO'Szzles fixed @ 0.75- 1.0 mtr linerally ensuring 2.5 to 5KG/cm² pressure consolidating the joints, cracks & honeycomb areas; this may include repairing & filling of wider cracks, joints with 1:3 cement - sand mortar admixed with Keraplast P6 @10% by weight of cement, sawing out 20mm X 20mm V shaped chase finished & dressed properly & followed by application of Kerakoll's Aquastop 120, a flexible, UV & Alkali resistane NBR based tape to be fixed firmly with NaNO'Sflex water proofing compound on all repaired joints, cracks and corners. The item shall also include treatment of bore packings, pipe sealing & fixtures wherever required as described in specifications. Preparation of substrate includes joint repairs, cracks, addressing honycomb etc. at all floors / all levels / all heights</p>	464.08	Smt			
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62	<p>Waterproofing & I-Piece Flooring On Terrace : Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc. consisting of following operations. (a) Applying a slurry coat of neat cement using 2.75kg/Sq.M of cement admixed with water proofing compound confirming to IS: 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25mm to 115mm size with 50% of cement mortar 1:5 (1 cement: 5 coarse sand) admixed with water proofing compound confirming to IS: 2645 and approved by Engineer-in-charge over 20mm thick layer of cement mortar of mix 1:5 (1 cement: 5 coarse sand) admixed with water proofing compound confirming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300mm height including rounding of junctions of walls and slabs. (C) After two days of proper curing applying a second coat of cement slurry using 2.75kg/sq.M of cement admixed with water proofing compound confirming to IS: 2645 and approved by Engineer -in-charge. (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 (1 cement: 4 coarse sand) admixed with water proofing compound confirming to IS: 2645 and approved by Engineer-in -charge including laying glass fiber cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300mm x 300mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks of curing and for final test. " all above operations to be done in order and as directed and specified by Engineer-in-charge." with average thickness of 20mm and minimum thickness at khurra as 65mm.at all floors / all levels / all heights</p>	696.12	Smt			
63	<p>Indian Marble: High-quality natural Indian marble with finely polished surface as per design and pattern. Work including preparing base for leveling with 50mm thick cement mortar 1:3 (1 cement : 3 coarse sand) & cutting, shaping, and accurate fitting of smaller marble pieces, strips etc. as per patterns, complete with joint finishing, polishing and sealing. Color, pattern, and design to match approved samples. Rate includes supply, transportation, handling, and installation as per drawings. Thickness and finish to be as specified. Basic rate of marble stone considered 300 Rs/ sq ft.at all floors / all levels / all heights</p>	447.00	Smt			
64	<p>Tread Tile: Providing and fixing full body vitrified anti-skid tiles for staircase and landing, comprising tread tiles size (1200+300)×300 mm with self-embossed tread lines and bull nose, riser tiles (1200+300)×150 mm, landing tiles 600×600 mm, including 100 mm matching skirting with including preparing base for leveling with 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) or Fixing with cement based high polymer modified quick-set tile adhesive (Water based) Colour, shade and pattern as approved by Architect,at all floors / all levels / all heights</p>	128.00	Smt			

65	Providing and laying Lapato / Glossy/Matt/Rustic finish GVT tiles in floor using minimum 10 mm thick tiles as per approved make list or selected by Architect , tile size (800 mm X 1600 mm) including preparing base for leveling with 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with 3mm epoxy grouting of approved shade and colour in proper line and level as per detailed drawing / instruction and approval by architect.The rate shall be inclusive of protecting the flooring by plaster of Paris and plastic and/or bubble top sheets. at all floors / all levels / all heights and all shapes .	600.00	Smt			
66	Providing and laying Lapato / Glossy/Matt/Rustic finish GVT tiles in floor using minimum 10 mm thick tiles as per approved make list or selected by Architect , tile size (600 mm X 1200 mm, 800 mm x 800 mm, 600 mm x 600 mm) including preparing base for leveling with 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with 3mm epoxy grouting of approved shade and colour in proper line and level as per detailed drawing / instruction and approval by architect.The rate shall be inclusive of protecting the flooring by plaster of Paris and plastic and/or bubble top sheets. at all floors / all levels / all heights and all shapes .	13718.00	Smt			
67	Providing and Laying Athangudi (handmade Chettinad cement tiles of different sizes such as 100×100 mm, 127×254 mm, 198×198 mm, 254×254 mm or any other as required etc. having thickness of 17-20 mm and incase of smaller size tiles thickness of 8-10 mm thickness. The tiles to be made of portland cement, local sand, aggregates, natural color oxides as per proportion required to meet the desired strength as per relevant IS codes and to be handmade and sun-dried and not to be kiln-fired. The tiles to be fixed on bedding of Cement Mortar 1:3(1-Cement: 3- fine sand) of 25-30 mm thickness and should be applied with a penetrating sealer or polymeric sealer after laying (as per manufacturer recommendation) or finished with surface polishing and a sealing coat. The design, colour, pattern and laying pattern as per instructions of architect and EIC. Rate inclusive for all tools, tackles, all floors, lead, lift and labour and materials Designer tiles (300X300mm) at all floors / all levels / all heights	422.00	Smt			
68	Providing and laying Lapato/ Matt /Glossy/ Non skid,/Rustic finish Designer GVT tiles in dado using minimum 10 mm thick tiles approved by architect /client (size 300mm x 300mm) fixed in dado on 10 mm th. Cement plaster 1:3 (1 cement: 3 coarse sand) All surfaces must be dimensionally stable according to IS 1443-1972, level, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents tiles fixed by approved tile adhesive and all application shall be done under instruction of manufacturer guideline and specification , and jointed with 3mm to 5mm thick epoxy grouting of approved shade and colour in proper line and level as per detailed drawing / instruction all complete as per approved sample by Architect, drawings and instruction of EIC. at all floors / all levels / all heights and all shapes .	54.75	Smt			

69	Providing and laying Lapato/ Matt /Glossy/ Non skid,/Rustic finish GVT tiles in dado using minimum 10 mm thick tiles approved by architect /client (size 600 mm X 1200 mm, 600mmx 600 mm) fixed in dado on 10 mm th. Cement plaster 1:3 (1 cement: 3 coarse sand) All surfaces must be dimensionally stable according to IS 1443-1972, level, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents tiles fixed by approved tile adhesive and all application shall be done under instruction of manufacturer guideline and specification , and jointed with 3mm to 5mm thick epoxy grouting of approved shade and colour in proper line and level as per detailed drawing / instruction all complete as per approved sample by Architect, drawings and instruction of EIC. at all floors / all levels / all heights and all shapes .	2462.60	Smt			
70	Providing and laying Lapato / Glossy/Matt/Rustic finish GVT tiles in floor using minimum 10 mm thick tiles as per approved make list or selected by Architect , tile size (1200 mm X 1800 mm) including preparing base for leveling with 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with 3mm epoxy grouting of approved shade and colour in proper line and level as per detailed drawing / instruction and approval by architect.The rate shall be inclusive of protecting the flooring by plaster of Paris and plastic and/or bubble top sheets. at all floors / all levels / all heights and all shapes .	2451.03	Smt			
71	Providing and laying Lapato/ Matt /Glossy/ Non skid,/Rustic finish GVT tiles in dado using minimum 10 mm thick tiles approved by architect /client (size 75 mm X 300mm) fixed in dado on 10 mm th. Cement plaster 1:3 (1 cement: 3 coarse sand) All surfaces must be dimensionally stable according to IS 1443-1972, level, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents tiles fixed by approved tile adhesive and all application shall be done under instruction of manufacturer guideline and specification , and jointed with 3mm to 5mm thick epoxy grouting of approved shade and colour in proper line and level as per detailed drawing / instruction all complete as per approved sample by Architect, drawings and instruction of EIC. at all floors / all levels / all heights and all shapes .	211.12	Smt			
72	Providing and laying Lapato/ Matt /Glossy/ Non skid,/Rustic finish GVT tiles in dado using minimum 10 mm thick tiles approved by architect /client (size 1200mm x 2400mm) fixed in dado on 10 mm th. Cement plaster 1:3 (1 cement: 3 coarse sand) All surfaces must be dimensionally stable according to IS 1443-1972, level, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents tiles fixed by approved tile adhesive and all application shall be done under instruction of manufacturer guideline and specification , and jointed with 3mm to 5mm thick epoxy grouting of approved shade and colour in proper line and level as per detailed drawing / instruction all complete as per approved sample by Architect, drawings and instruction of EIC. at all floors / all levels / all heights and all shapes .	507.84	Smt			

73	Kitchen Platform : Providing and fixing sandwich platform with kota & granite sandwich top, granite vertical support at ends, and kota supports below top, granite patti, and front top edge moulded including finishing etc. complete as per detailed drawing and as instruction by Engineer In charge/ Architect. at all floors / all levels / all heights	34.56	Smt			
74	Wash basin table top counter : Providing & fixing two layers of wash basin counter, first layer using 18 mm thick both side Mirror finish Granite (Of Texture, shed, Colour and pattern as approved by EIC), joined together with 1:4 Cement mortar bedding / approved tile adhesive , to true plane & level or to slopes, or close jointed with cement slurry with pigment of matching shade and colour and finishing with the same, including dedo 2'6" ht , cutting kotah & tile as per required shape & size to fit Wash basin, & 3" to 9" fascia with moulding, nosing, chamfered front edges, fixing, disposal of debris etc. finished as per design in detail drawing and instruction of Architect / EIC. The sample mock shall be approved from Architect / EIC. at all floors / all levels / all heights	96.28	Smt			
75	Providing and fixing Cement sheet manufactured from SuperHD Cement Board (2440 × 1220 × 12 mm) conforming to IS 14862: Type A – Category IV of approved design and patterns shall be executed using CNC-controlled Water Jet Cutting fixed on a GI steel frame fabrication, fixing with hinges and locking arrangement, finished with one coat red oxide primer and two coats synthetic enamel paint, complete as per directions of Engineer-in-Charge.	91.33	Smt			
76	Anti skid Tape: Providing Roughened strip 2.5 cm. wide to form antiskid surface on floors & treads as per design, including forming straight deep curved gishi (groove), 6mm. Wide & 4mm deep on two sides of the roughened area, chiseling, polishing the edges, sides and bottom of gishis etc. complete as per sample approved. One time length of steps / treads shall be considered for payment. at all floors / all levels / all heights	914.40	Rmt			
77	Aluminium Sliding Door/ Window in SGU: Providing and fixing aluminium sliding Door/ Window of approved make with heavy-duty powder coated / anodized aluminium sections, comprising outer frame of size 125/100 × 50 × 2/1.6 mm thick (approx.) and sliding shutter frame of size 90/60 × 45/30 × 1.8/1.6 mm thick (approx.) and the window shall be fitted with SGU (Sealed Glazed Unit) glass 24 mm thick (6 mm clear toughened + 12 mm air gap + 6 mm clear toughened glass as approved with necessary interlocks, glazing beads, rollers, handles, locking arrangement, screws, cleats, and EPDM rubber gaskets, etc Including all fittings, fixtures, sealant, labour, scaffolding, transportation, cutting and making good the jambs complete as per approved drawings and direction of Engineer-in-charge upto all floor level and including all lead and lift.	18.15	Smt			

78	Sliding Door/ Window in DGU: Providing, fabricating, supplying and fixing uPVC windows made from lead-free and cadmium-free uPVC profiles, confirming to relevant IS/EN standards, with minimum 75 mm multi-chambered profile, reinforced with hot-dip galvanized GI steel insert (minimum 1.2 mm thick) for adequate strength and rigidity, including all necessary corner cleats, mullions, transoms, glazing beads, gaskets, weather strips and accessories. The windows shall be fitted with Double Glazed Units (DGU) comprising two glass panes with sealed air gap, of approved make and thickness, fixed using EPDM gaskets, complete with SS friction hinges, handles, locking system, fasteners, and all required hardware of approved quality. at all floors / all levels / all heights including all lead and lift	855.20	Smt			
79	M.S.Grills : Providing and fixing M.S.grills of required pattern to wooden frames of windows etc. with M.S. flats at required spacings and frame around, square or round bars with round headed bolts and nuts or by screws (A) Plain Grill. at all floors / all levels / all heights including all lead and lift	47212.90	Kg			
80	Priming Coat to MS Grill: Applying priming coat over new steel and other metal surface after and including preparing the surface by thoroughly cleaning, oil, grease, dirt and other foreign matter and scoured with brushes fine steel wood, scrapers and sand paper with ready mixed priming paint brushing red lead. at all floors / all levels / all heights including all lead and lift	855.20	Smt			
81	Paint on MS Grill: Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint, brushing, interior to give an even shade including cleaning the surface an even shade including cleaning the surface of all dirt, dust and other foreign matter. at all floors / all levels / all heights including all lead and lift	855.20	Smt			
82	Ventilation : Providing and fixing standard extruded of aluminium section of size 63 mm x 38.10 mm x 1.2 mm, @ Wt. 0.643Kg / mt with colour Powder Coated aluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation. at all floors / all levels / all heights including all lead and lift	90.72	Smt			
83	Granite stone flooring: Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement: 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. at all floors / all levels / all heights including all lead and lift	60.14	Smt			

84	S.S Railing for Staircase: Providing and Fixing S.S. Railing for staircase made from S.S 304 Grade 1.8 mm wall thickness matt finish , 50mm Top hand rail, 38mm Vertical Balustrade fixing at 1.2 mt C/C with anchor fastner 75 mm dia 8 mm thick flange and shoe cap, with 3 nos of 16 mm Horizontal pipe fotting with L and Key , modular knob system. Balustrade top modular "T" fixing support to 50 mm hand rail and turning fixed with modular bend. including accessories as per detailed drawing as directed etc. complete.at all floors / all levels / all heights including all lead and lift	287.40	Smt			
85	Flexstone Wall Panelling : Supply and Installation of Customised FEFS Mural Wall over the Protruding +10mm post the stone thicikness on Rough plaster wall with the help of 10mm thick cement mortar 1:3 (1 cement : 3 coarse sand) or adhesive and Toap Coat sealer which is included with all required accessories and all scaffolding and support system. The Design will be as per Architect 's Selection and as per direction of Engineer in charge. at all floors / all levels / all heights including all lead and lift	34.44	Smt			
86	Common Area Natural Stone with CNC Work: Supply, fabrication, and installation of high-quality natural stone with precision CNC-carved patterns as per approved design and drawings. Work includes cutting, shaping, CNC engraving, finishing, polishing, and fixing in position with proper alignment, jointing, and grouting as required including 10mm thick cement mortar 1:3 (1 cement : 3 coarse sand) or Fixing with cement based high polymer modified quick-set tile adhesive (Water based). Rate includes supply of stone, CNC work, transportation, handling, and complete installation including all necessary hardware and accessories, complete in all respects, as directed by the Architect / Engineer-in-Charge.at all floors / all levels / all heights including all lead and lift	17.98	Smt			
87	V.VIP Room Natural Stone with CNC Work: Supply, fabrication, and installation of high-quality natural stone with precision CNC-carved patterns and fixing with another stone in the matching CNC work as per approved design and drawings. Work includes cutting, shaping, CNC engraving, finishing, polishing, and fixing in position with proper alignment, jointing, and grouting as required including 10mm thick cement mortar 1:3 (1 cement : 3 coarse sand) or Fixing with cement based high polymer modified quick-set tile adhesive (Water based). Rate includes supply of stone, CNC work, transportation, handling, and complete installation including all necessary hardware and accessories, complete in all respects, as directed by the Architect / Engineer-in-Charge.at all floors / all levels / all heights including all lead and lift	57.60	Smt			

88	GRC WORK : Providing & fixing architectural moldings profiles and other decorative elements made out of GRC (Glass Fibre reinforced Cement) in required shape, size & thickness all as per manufacturers specifications, such as all decorative articles should be made by using high power spray machine, using AR Glass fiber with minimum ZrO2 16% including necessary scaffoldings for all heights, as per approved drawings and reference images. GRC elements thickness shall be 25-30 mm. fixing edges will be GRC Elements shall be fixed on RCC Structure/Brick Work/ Primary Steel Structure min 13kg/smt (MS with protective coat of Red oxide/Zinc Primer Shall be Used). Hilti make GI Screw Fastners or equivalent, GI Thread Rods and MS cleats shall be used for fixing of GRC elements on RCC/MS Primary fabricated structure. Joints shall be filled with PU sealants/ base material of GRC as and where required. The quote rate shall be inclusive of all design, & shop drawing and sample mock of all elements approval from Architect & consultant. The quote rate shall include all Taxes, duties, statutory obligations and safety code compliance as per client. Rate shall be inclusive of all required fabrication work for fixing only primary structure shall be provided as base structure only as per requirement. Mode and method of measurement shall be in accordance with IS: 1200.a) GRC Columns: as per specification work (Elevation area- At any height) (Elevation area) at all floors / all levels / all heights including all lead and lift	4184.34	Smt			
89	SS Kitchen rack(1800x750x750) : Supply, fabrication, and installation of high-quality stainless steel (SS) kitchen racks as per approved drawings and specifications. Work includes cutting, shaping, welding, polishing, and fixing in position with proper alignment, including all necessary hardware, supports, brackets, and accessories for complete installation. Rate includes supply of SS material, fabrication, transportation, handling, and installation.	2.00	No			
90	Core Cutting Work: Providing and wet drilling accurate and clean holes of specified diameter in RCC walls, slabs, beam or any other RCC member without vibration by core cutting (diamond drilling) machine of approved make for laying service lines including scaffolding, safety majors, disposing the debris, cleaning, making good, providing epoxy mortar / micro concrete / patch repair mortar for concrete for grouting the gaps around the pipes for all levels / all height, after approval of engineer in charge etc compete. Measurement shall be taken for the depth of holes in running meter for specified diameter. Holes shall be made by authorized approved agency. Scanning of reinforcement shall be carried out before core cutting if required and as suggested by Engineer in charge. Location of core cutting shall be approved by Engineer in charge.(i) beyond 52mm dia to 77mm dia.	40.00	Rmt			

91	Core Cutting Work: Providing and wet drilling accurate and clean holes of specified diameter in RCC walls, slabs ,beam or any other RCC member without vibration by core cutting (diamond drilling) machine of approved make for laying service lines including scaffolding, safety majors, disposing the debris, cleaning, making good, providing epoxy mortar / micro concrete / patch repair mortar for concrete for grouting the gaps around the pipes for all levels / all height, after approval of engineer incharge etc compete. Measurement shall be taken for the depth of holes in running meter for specified diameter. Holes shall made by authorized approved agency. Scanning of reinforcement shall be carried out before core cutting if required and as suggested by Engineer incharge. Location of core cutting shall be approved by Engineer in charge.(ii) Beyond 77mm dia to 102mm dia.	60.00	Rmt			
92	Core Cutting Work: Providing and wet drilling accurate and clean holes of specified diameter in RCC walls, slabs ,beam or any other RCC member without vibration by core cutting (diamond drilling) machine of approved make for laying service lines including scaffolding, safety majors, disposing the debris, cleaning, making good, providing epoxy mortar / micro concrete / patch repair mortar for concrete for grouting the gaps around the pipes for all levels / all height, after approval of engineer incharge etc compete. Measurement shall be taken for the depth of holes in running meter for specified diameter. Holes shall made by authorized approved agency. Scanning of reinforcement shall be carried out before core cutting if required and as suggested by Engineer incharge. Location of core cutting shall be approved by Engineer in charge. Beyond 102mm dia to 152mm dia.	90.00	Rmt			
93	Core Cutting Work: Providing and wet drilling accurate and clean holes of specified diameter in RCC walls, slabs ,beam or any other RCC member without vibration by core cutting (diamond drilling) machine of approved make for laying service lines including scaffolding, safety majors, disposing the debris, cleaning, making good, providing epoxy mortar / micro concrete / patch repair mortar for concrete for grouting the gaps around the pipes for all levels / all height, after approval of engineer incharge etc compete. Measurement shall be taken for the depth of holes in running meter for specified diameter. Holes shall made by authorized approved agency. Scanning of reinforcement shall be carried out before core cutting if required and as suggested by Engineer incharge. Location of core cutting shall be approved by Engineer in charge.(iv) Beyond 152mm dia to 202mm dia.	124.50	Rmt			
94	Rebaring: Providing and Laying in Position rebar as specified in true line & Level including drilling adequate hole, cleaning the same, grouting with HILTI, HY-200 , Fischer, Forsoc, or Equivalent rebar system as per manufacturers specifications strictly in accordance with structural details having minimum depth of embedment 150 mm, etc complete. (a) 10 to 25 mm dia.	5300.00	No			

95	<p>Pile Work : Providing and laying in position Ready Mixed M-300 grade concrete for reinforced cement concrete work, using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, including the cost of centering shuttering finishing and excluding the cost of reinforcement including cost of admixtures in recommended proportions as per IS : 9103 to accelerate /retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer- in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 475 kg) including Boring holes deep in ordinary soil (for cast in situ piles) and getting out the soil and disposal of the surplus excavated soil as directed within a lead of 50 Meter for following diameter of pipes.</p> <p>(iii) 300 mm</p>	120.00	Rmt			
96	<p>Pile Work: Providing, driving with hydraulic piling rigs with power units and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap): 450 mm dia piles</p>	80.00	Rmt			
97	<p>GRANITE STONE EDGE POLISHING: All expose edges for granite stone with 18mm to 25 mm thickness ,shall be chamfered or half mould and mirror polished. For jamb,sill, lital, locations like nosing of treads,door, window, ventilation,opening,vertical division paradi, any platform and location mentioned in detailed drawing for respective items.Rate shall be inclusive of chasing, cutting, edge champhering, edge polishing, making holes (if required), curing, finishing, maintaining upto handling ovre the project etc complete for all height. The work shall be carried out as per the approval of Engineer-in-charge. Only finished granite work shall be measured.For all floors and all heights.</p>	245.00	Rmt			
98	<p>Guniting work :Providing, drilling, installing and grouting soil nails to stabilize excavated faces up to a depth of 5.0 m from existing ground level, comprising of drilling holes of required diameter and inclination in soil/soft rock strata, inserting high yield deformed steel bars (Min.-48kg/smt, Fe 500 or as specified) with centralizersfixing mesh, and pressure grouting with cement slurry of of specified thickness, complete in all respects as per drawings and technical specifications.</p>	925.47	Smt			
99	<p>Providing and fixing C.I. Manhole cover 0.60 M. x 0.45M. size having weight not less than 35Kg.</p>	6.00	Each			
100	<p>Providing and laying S&S centrifugally Cast (Spun) iron pipes (Class LA) confirming to IS: 1536: (150mm)</p>	47.00	Rmt			

101	Providing and Laying S&S C.I. standard specials such as tees,bends,collars,tapers,caps etc. suitable for flanges jointing as per IS: 1583 : Upto 300 mm dia	20.00	QT			
102	Providing and fixing C.I sluice valves (with cap) complete with bolts,nuts,rubber insertions etc (the tail pieces if required will be paid seperately. Class II	2.00	Each			
103	Providing and fixing cast iron steps of size 500mm x 150mm x 22.5mm and painting with two coats of Anti-corrosive paint etc. complete.	12.00	Each			
104	Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (A) In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like	3173.00	Kg			
105	Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter-locked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arragements for inside and outside locking with push-pull operation including the cost of hood cover and spring etc. complete.(A) Shutters having width below 3.5 M.	6.00	Smt			
106	Wall holes, cracks filler (PU sealant); Providing and supplying and appllying the PU sealent of approved and appropriate grade and foam as per the manufacturer specification for , Minor holeasa nd cracks are to be filled and making surface workabale and free from holes and cracks. Foring holes and cracks , small air blower to be used for cleaning hole and cracks dust free and visible . Widening cracks to 5 to 10 mm and having depth upto 20 mm for easy and making material flowable in the crack. Once the crack or hole is filled , it is to be cleaned with wire brush and chiesel to remove excess material and making surface even. scafollding and props are to be provided for accssebility of the desired location specified by the engineer incharge.at all floors / all levels / all heights	450.00	Rmt			
107	Wall holes, cracks filler (Foam); Providing and supplying and appllying the PU foam of approved and appropriate grade and foam as per the manufacturer specification for , Minor holeasa nd cracks are to be filled and making surface workabale and free from holes and cracks. Foring holes and cracks , small air blower to be used for cleaning hole and cracks dust free and visible . Widening cracks to 10 mm and more and having depth upto 20 mm for easy and making material flowable in the crack. Once the crack or hole is filled , it is to be cleaned with wire brush and chiesel to remove excess material and making surface even. scafollding and props are to be provided for accssebility of the desired location specified by the engineer incharge.at all floors / all levels / all heights	450.00	Rmt			

108	Veneer Flush Door: Providing and fixing 35 mm thick Single/ Double shutters for Doors with both side Veneer including Indian teak wood frames and black enamelled iron oxidized fixtures and fastenings including PU Polish Finish of approved quality and necessary hardware such as hinges, door stopper, door closer, handle, mortice lock etc, complete. at all floors / all levels / all heights	676.72	Smt			
109	Wooden sliding door : This premium veneer-finished sliding door features a BWP-grade core with natural wood veneers, finished in high-quality PU or Melamine polish. It operates on a heavy-duty top-hung aluminium track with precision ball-bearing rollers, floor guides, and soft-close dampers, ensuring a silent, space-saving, and aesthetically superior architectural solution.at all floors / all levels / all heights	73.92	Smt			
110	ARABIAN CURTAIN : providing and fixing areabian curtain including installation, fabric, operation system complete. Arabian curtains as per given size on a heavy-duty channel with fabric weighing 250 GSM in mix of cotton/polyester 55% with different designs and colours available to choose from with Blackout fabric in Lining material.at all floors / all levels / all heights	1579.37	Smt			
111	SHEER CURTAIN : providing and fixing sheer curtain including installation, fabric, operation system complete. Sheer curtains stitched in Arabian style/Box pleat or as required by architect as per given size on heavy duty channel with fabric weighing more than 100 GSM with range of colours and textures to choose from. all item shall be done as per approved sample.at all floors / all levels / all heights	1579.37	Smt			
112	Drywall Partition of 100mm : Providing and fixing Dry wall partition of 100 mm thick Gypsteel Ultra™ stud partition which includes one layer of tapered edge 12.5 mm thick Gyproc® Duraline (Conforming to EN 520:2004, Type D,F, I & R) is screw fixed with drywall Screws of 25 mm at 300mm Centers to either side of 70 mm Gypsteel Ultra™ C stud (0.5mm thick having one flange of 34 mm and another flange of 36mm made of GI steel) placed at 610 mm center to in 72 mm Gypsteel Ultra™ floor and ceiling channel (0.5 mm thick have equal flanges of 32 mm mage of GI steel). which is anchored to the floor & ture ceiling using suitable anchor fasteners or metal screws with nylon plugs. The boards are to be fixed to the frame work with joints staggered to avoid leakage through joints. A rockwool of good quality is provided between the two boards. Finally square and tapered edges of the boards are to be jointed and finished so as to have flush look which includes filling and finishing with Gyproc joiting compound and Gyproc joint paper tape (as per recommended practices of saint-Gobain Gyproc India). at all floors / all levels / all heights	120.12	Smt			
113	Providing and fixing Wooden Partition with using aluminium Pipe 50 x 25mm framing, 12mm Plywood, 3-5 mm thick VENEER with solid wood moulding etc. Completed. All work includes required all necessary hardware and labour.Work includes cost of site installation complete as direceted by architect and concern engineer in charge.at all floors / all levels / all heights	506.88	Smt			

114	<p>Veneer Wall Panelling: Providing and fixing Veneer wall panelling and false ceiling work as per drawing and as per following: 1) Providing and fixing of Close stud type wall panelling framing system of approved make, which includes good quality framing like Gypsteel ULTRA CLOSED STUD partition of Saint Gobain or as per approved make. 48x0.6mm Gypsteel ULTRA CLOSED STUD should be placed at 600mm c/c in 50x0.5mm Gypsteel ULTRA floor and ceiling channel including bracing, noggin channel, necessary accessories rawl plug, SS 304 fastner, angle cleat has to be provided at the horizontal joints of the two ply. 2) Providing and fixing 12 mm thick water resistant ply confirming IS 303 BWR on installed wall panelling framing, with SS 304 screw, fastner as suggested by framing vendor. 3) Providing and fixing 3.5 to 4 mm thick Veneer of approved make and shade on ply panelling work, fixed partition, ceiling work, any ply surface etc with necessary nails, screws, adhesives as per drawings and approved sample. Veneer shall be selected and sorted for uniform straight lined, light colored from matching group. 4) Polishing work shall be carried out as specified of approved make, shade and texture. 5) For the false ceiling work, the veneer panelling should be done on th3e surface of gypsum false ceiling by the help of drilling and screwing by desired dimensions of screws. And veneer should be applied and fixed similarly as that in the wall panelling by the help of any bonding agent or glue and polished accordingly. 5) The rate shall be for all heights, all places, all places, etc complete as directed by engineer in charge. Actual laid area shall be measured and paid without considering any wastage. Provide and install as per the directions provided by the Engineer-in-Charge</p>	1678.00	Smt			
115	<p>Providing and laying tactile tile (for vision impaired persons as per standards) of size 300x300x9.8mm having with water absorption less than 0.5% and conforming to IS: 15622 of all colours and shades in for outdoor floors laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the 1061 sub head : 16- road work joints with white cement mixed with matching pigments etc. complete All the work shall be done as per instruction given by EIC at all floors / all levels / all heights</p>	364.00	Smt			

116	Granite ANCHOR Fastner :Providing and supplying Threaded Rod of suitable grade (5.8/8.8) of sizes ranging from M8 to M30. Design of Anchor should be done as per IS 1946 using PROFIS Engineering Software as per actual load data (for special cases it shall be done as per EC2 Part-4) and site conditions as provided by structural consultant and the report to be submitted to the project manager/ design engineer for approval. The Anchor should possess ETA Certificate for use in Cracked Concrete, approved as per Seismic Condition (equivalent to C2 Category of ETA). The product should be approved by ICC, CSTB, COLA, BZS with Shock approval, Fatigue and Fire Approvals. The chemical should have an ETA approval for 100 years age testing. Drilling hole with appropriate drill bits to the required depth by rotary hammer drill, cleaning with brush and jet of clean air to ensure dust-free clean holes and proper bonding of chemical, filling resin and hardener using serrated nozzle to eliminate mixing error with standard HDE A22 battery dispenser along with piston plug. Scanning before drilling to be done with Hilti PS Scanning tool to avoid rebar hits.at all floors / all levels / all heights	450.00	Each			
117	Double Leaf Glass Door with floor Spring Pivot : Providing and fixing in position full height 12 mm thick toughened glass door with all necessary accessories as per approved selection by Architect / Engineer in charge. 12 mm thick make customized clear toughened glass, edge polished prepared with stainless steel patch fittings with locking arrangement / fixing Each glass panel secured to the floor by stainless steel patch fittings with locking arrangement/ fixing Each glass panel secured to the floor by stainless steel patch fitting item includes all necessary fitting/ fixing , fixtures like Hardware system like (Corner hinges with pivot, Glasklar Lock, Door Handle, key, round shape lock with alluminium cover , Door stop) complete as per Specification drawing approval and instructions of the Architect / Engineer in charge. Rate shall be inclusive of all material loading unloading at all height and all floor sample mock shall be approved from Architect / Engineer in charge.Provide floor spring .at all floors / all levels / all heights	52.80	Sq.M			
118	Gypsum Ceiling: Pro. And fixing single layerwater proof gypsum board 12.5mm thick sections using water proof board of size 1220mm x 1830mm x 8.0mm suspended by GI suspender channel of size 25mm x3 mm with intermediate channelog size 18mm x 40mm x 0.8mm at 1220 mm center to center ceiling section of size 40mm x 35mm x 0.55mm at 457mm c/c and perimeter channel A of size 20mm x 27mm x 30mm x 0.5mm at edges & drops incl. paper taps and sofit cleat, anchor fastener, scoch bolt connecting cleat, joining compound top coat on ceiling incl.making necy.opening for light fitting,diffuser etc. comp. as per detail drawing as directedat all floors / all levels / all heights	5041.76	Smt			

119	<p>Calcium Silicate Ceiling: Providing and fixing eco-friendly light weight calcium silicate false ceiling tiles having Tegular edge & 15mmThick Densified edges on theTile Periphery for Extra Strength The Lightweight calcium silicate ceiling tiles shall have, light reflection 85% non combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity 0.043°w/mKC.for the best thermal Insulation . The Lightweight calcium Silicate tile shall be of approved texture Fine fissured/Spintone/Cosmoshaving NRC value of 0.5 & Globe having NRC value of 0.75 NRC or equivalent of size595X595mm to be laid on true horizontal level suspended inter locking metal grid of hot dipped galvanized steel sections (galvanizing @120 grams per sqm including both side) consisting ofmain 'T' runner suitably space dat joints to get required length and size of 24X38mm made from 0.30mm thick(minimum)sheet, 1200mm centre to centre, and cross 'T'ofsize24 X 28mm made out of 0.33mm (Minimum) sheet spaced 1200mm along space etc. An additional 4mm thick PVC strip of 40mm width is to be stuck on the interior side of the C channel using PVC solvent adhesive complete as per direction of Engineer in charge, manufactures. sat the back sides o that 'L'shape outer PVC beading can be removed when required for replacement of broken glass etc. complete as per direction of etc.complete as per direction of Engineer in charge and manufacture's specification.icationntre with 25mm long drywall screws @230mm interval and laying 15mm thick Densified edges light weight calcium silicate ceiling tiles of approved texture (FineFissured/Cosmos/Spintone) in the grid including, cutting /making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required, Main 'T' runners to suspended from ceiling using G.I.slotted cleats of size25X35X1.6mm fixed to ceiling with 12.5mm dia and 50mm longdash fasteners, 4mm G.I. adjustable rods with galvanized steel level clipsof size85X30X0.8mm, spaced at 1200mm centre to centre long main'T' bottom exposed with 24mm of all T-sections shall be pre-painted with polyester baked paint, for all heights, as per specifications, drawings and as directed by engineer-in charge.Note:-Only calcium silicate false ceiling area will be measured from wall to wall.No deduction shall be made for exposed frames/opening (cutouts) having area less than 0.30 sqm.The calcium silicate ceiling tiles shall have NRC. Value of 0.50 (Minimum) for Fine fissured/Spintone/Cosmosand0.75NRCforGlobe, light reflection 85% non-combustibleas per B.S.476 part IV, 100% humidity resistance and also having thermal conductivity. 0.043° w/m KC.for the best thermal Insulation .at all floors / all levels / all heights</p>	492.14	Smt			
120	<p>Providing and Fixing Rung foot steps of size 165mm x 170mmx25mm insert with M.s road of 10mm dia fixing on the duct wall for ease of the work for ascending descending including the cost of all material and necessary scaffolding Complete.</p>	12.00	Each			
121	<p>Hot dip GI pipe bracket holder with u bolt holder The hot-dip galvanized (GI) pipe bracket holder 1/2 inch Galvanized Iron slotted Z-Patti with Heavy Duty U clamp with bolt 8mm is a durable and corrosion-resistant mounting solution designed for secure pipe support. Its robust construction ensures stability and long-lasting performance in various industrial and construction applications. The U-bolt holder provides a firm grip, preventing pipe movement and vibrations. Ideal for both indoor and outdoor use, this bracket offers easy installation and reliable strength, making it perfect for plumbing, electrical conduit, and mechanical piping systems. Its hot-dip galvanization guarantees enhanced rust protection in harsh environments.at all floors / all levels / all heights</p>	630.00	RMT			

122	PVC WATER STOP: Providing and fixing PVC water stop of approved make, 230/250/300 mm wide centre bulb or ribbed type,thickness range from 6 mm to 10mm, made of virgin flexible PVC, conforming to IS 12200, at all construction and expansion joints in underground RCC water storage tank, including cutting, heat welding of joints, fixing to reinforcement, proper alignment, embedding in concrete, complete as per drawings and directions of Engineer-in-Charge.Rate includes for all levels and for all horizontal and vertical and inclined joints formed between old and new concrete poring.	237.00	RMT			
123	Providing and laying Heat resistance waterproof tiles on terrace level of approved make and shade including 200mm vata with matching pattern, with surface preparation, cleaning of existing terrace surface, applying cement mortar/adhesive as per manufacturer's specifications, laying tiles to proper line, level and slope towards rainwater outlets, cutting tiles to required size and shape, grouting joints with suitable material, curing complete, including all labour, materials, tools, complete as per drawings, specifications and directions of Engineer-in-Charge.	1293.00	Smt			
124	Signage :Manufacturing, supply, arrangement and keeping in good condition until project completion SS/Wooden/MDF signage using SS 304 grade/Plywood/MDF material brush finish 1.5mm thick sheet with letter, numbers, graphic, symbol etc made by acid etching process with duco paint/ powder coating as per drawings and instruction of the architect. All required CNC cutting/ laser cutting shall be carried out as per drawing. The plate shall be fixed on brick/ RCC wall/ ply/ cement board/ furniture/ door with the necessary fixing hardware like SS stud, fastner, self adhesive double side tape etc. complete for all floors and all height. The rate shall be inclusive of all material, laour, hardware scaffolding etc.	18.91	Smt			
125	I.P.S Flooring: Providing and laying cement concrete flooring 1:2:4 (1-cement : 2- coarse sand : 4-graded stone aggregate 20mm nominal size) laid in one layer and finished with a floating coat of neat cement. (B)50mm thick.at all floors / all levels / all heights	2250.00	Smt			
126	Delux/VIP : Provide and install a premium wall-hung sanitary assembly comprising a rimless white vitreous china wall-hung European water closet (EWC) with a slim soft-close seat and cover. The WC shall be supported by a concealed pneumatic dual-flush in-wall cistern housed within a heavy-duty powder-coated steel full-frame carrier, designed to support a minimum 400 kg load. The cistern shall operate on a 3/6 L pneumatic dual-flush mechanism via a polished chrome actuator plate. The system includes a leak-proof outlet connector, adjustable mounting brackets, fixing bolts, and all necessary accessories. Work includes supply, installation, connections, sealing, testing, and commissioning at all floors, levels, and heights.	79.00	Each			

127	<p>VVIP : Provide and install a premium wall-hung sanitary assembly comprising a round-front, rimless, fully skirted wall-hung European water closet (EWC) in white vitreous china with antimicrobial coating. The WC shall include a slim soft-close seat with quick-release hinges for easy cleaning. It shall be supported by a concealed pneumatic dual-flush in-wall cistern within a heavy-duty full-frame carrier, capable of supporting up to 1000 kg. The system shall include a leak-proof outlet connector and a polished chrome pneumatic dual-flush actuator plate, providing 3/6 L adjustable flush and silent-fill operation. Installation includes fixings, connections, sealing, testing, and commissioning at all floors, levels, and heights.</p>	6.00	Each			
128	<p>Delux/VIP :Provide and install a health faucet (bidet spray) set in polished chrome finish, including a durable trigger-operated ABS spray handset, a 1.2-meter flexible hose, and a matching wall-mounting bracket. The handset shall feature an anti-bacterial single-spray face for hygienic, efficient personal cleaning. Designed for durability, ease of operation, and reliable performance, the work shall include supply, wall fixing, water connection, and testing, with all necessary connectors, fittings, washers, wall fixings, and accessories to ensure a complete and fully functional installation at all floors, levels, and heights.</p>	79.00	Each			
129	<p>VVIP: Provide and install a premium health faucet (bidet spray) set in polished chrome finish, featuring a modern ergonomic spray handset for comfortable handling and precise water control. The assembly shall include a durable flexible metal hose and a matching wall-mounting bracket. Designed for targeted water spray, smooth trigger operation, corrosion resistance, and leak-proof performance, the work shall include supply, wall fixing, water connection, sealing, and testing, with all necessary connectors, fittings, washers, and accessories for a complete, reliable installation at all floors, levels, and heights.</p>	6.00	Each			
130	<p>Provide and install a 2-way bib tap in polished chrome finish with two independent quarter-turn lever controls and ceramic disc cartridges for smooth, drip-free operation. Made of corrosion-resistant metal with durable chrome plating, it allows dual water outlet use. Work includes supply, wall fixing, water connection, sealing, and testing, with all required connectors, fittings, and accessories at all floors, levels, and heights.</p>	6.00	Each			
131	<p>Delux/VIP :Provide and install a 595 mm vessel-type washbasin in premium white vitreous china with ultra-thin edges and a minimalist design for high-end bathrooms. The basin shall include a pop-up waste drain and a 350 mm polished chrome bottle trap with adjustable chrome-plated brass connections for proper alignment. Installation shall ensure leak-proof joints and include supply, countertop fixing, drainage connection, sealing, alignment, testing, and commissioning, with all required gaskets, connectors, nuts, washers, wall fixings, and accessories for a complete, functional installation at all floors, levels, and heights.</p>	108.00	Each			

132	<p>VVIP : Provide and install a 480 mm rectangular vessel washbasin in high-grade white vitreous china with a contemporary thin-edge design for premium bathrooms. The basin shall include a polished chrome brass grid waste drain for non-overflow use and a 350 mm adjustable chrome-plated brass bottle trap for exposed under-basin installation. Installation shall ensure leak-proof joints using professional-grade sealants and include supply, countertop fixing, drainage connection, alignment, sealing, testing, and commissioning, with all necessary connectors, fittings, nuts, washers, and accessories at all floors, levels, and heights.</p>	12.00	Each			
133	<p>Provide and install a wall-mounted angle valve in polished chrome finish made from solid brass for durability and reliable water control. The valve shall have G13 mm threaded connections and include a matching chrome escutcheon plate. Installation shall include wall fixing, water connection, sealing, and testing, with all required threads, washers, connectors, and accessories at all floors, levels, and heights.</p>	148.00	Each			
134	<p>Delux/VIP : Provide and install a single-control tall basin mixer faucet in polished chrome finish for countertop or vessel washbasins. The faucet shall feature a high-arc spout and single lever control for smooth adjustment of water flow and temperature, with durable ceramic disc cartridges for drip-free performance. Installation shall include flexible hot and cold hoses and all necessary mounting hardware. Scope includes supply, fixing, water connections, sealing, alignment, testing, and commissioning, with all required connectors, washers, gaskets, and accessories at all floors, levels, and heights.</p>	108.00	Each			
135	<p>VVIP :Provide and install a single-control tall basin mixer faucet in polished chrome finish for vessel-type washbasins. The faucet shall feature a minimalist high-arc spout and single lever control for precise adjustment of water flow and temperature, with a durable ceramic cartridge for drip-free performance. Installation shall include flexible hot and cold hoses, mounting hardware, washers, and fittings. Scope covers supply, fixing, water connection, sealing, alignment, and testing, ensuring a secure, leak-proof, premium installation at all floors, levels, and heights.</p>	12.00	Each			
136	<p>S.S Kitchen Sink: Providing and fixing Kitchen sink with C.I. or M.S. brackets, painted white including cutting holes in walls and making good the same but excluding fittings. (C)Vitreous China Sink. (i) 600mm x 450mm x 150mm size .at all floors / all levels / all heights</p>	28.00	Each			
137	<p>Kitchen Sink Cock with Extended Swinging Spout: Providing and Fixing Single lever Deck Mount Kitchen Sink Cock with Extended Swinging Spout (Wall Mounted Model) With Wall Flange, in Polished Chrome of approved make and conforming to Manufacturers Standards. at all floors / all levels / all heights</p>	28.00	Each			

138	Urinal: Provide and install a wall-hung urinal in white vitreous china with a rear-spud inlet and rimless, easy-to-clean design. The urinal shall be operated via a polished chrome electronic sensor flush valve powered by a dedicated low-voltage transformer, ensuring touchless, hygienic operation. The system includes a high-efficiency flushing mechanism, specialized spreader, and complete trap set. Installation shall include wall fixing, water and drainage connections, sealing, alignment, and testing, with all necessary gaskets, fixings, and accessories for premium applications.	11.00	Each			
139	Waterless and Odourless Urinal Kit : Providing & Fixing Waterless and Odourless Urinal kit in Urinal Poat including all material, labour etc. complete. The material grade of the same should be SS 304 with height of 90 mm and diameter of 39 mm along with membrane flap technology made with respect to IS-2963:1979. It should be assembled and fixed as per the direction of the Engineer-in-Charge.at all floors / all levels / all heights	11.00	Each			
140	Soap Dispenser: Provide and install a wall-mounted soap dispenser with frosted glass bottle in polished chrome finish, including a matching holder. Installation shall include wall fixing, sealing, and testing, complete for all floors, levels, and heights.	112.00	Each			
141	Soap Dish: Provide and install a square soap dish in polished chrome finish, including wall fixing, sealing, and testing, complete for all floors, levels, and heights.	112.00	Each			
142	PVC Nahni Trap (100mm) : Providing and fixing PVC SWR Nahni trap IS 14735 for drain-100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I scread down or hinged grating including the cost of cutting and making good the walls.at all floors / all levels / all heights	195.00	Each			
143	Delux/VIP :Supply and install a premium recessed thermostatic shower and bathing system in polished chrome finish, including a thermostatic control with universal trim and a 2-outlet thermostatic valve for precise temperature and anti-scald protection. The system shall feature a 254 mm square rain showerhead mounted on a wall-arm, a wall-mounted bath spout, and a hidden square floor drain. All exposed components shall be corrosion- and tarnish-resistant, and installation shall follow manufacturer specifications to ensure a luxury, leak-proof, high-end finish at all floors, levels, and heights.	52.00	Each			
144	VVIP : Supply and install a premium recessed thermostatic shower system in polished chrome finish with MasterClean™ surfaces. The system includes a thermostatic trim and 4-outlet valve for precise temperature and flow control, a 330x230 mm single-function rainhead with wall arm, three adjustable square body sprays, a hand shower with hose and bracket, a wall-mounted bath spout, and a hidden linear floor drain. Installation shall include internal components, plumbing connections, sealing, and testing to ensure a leak-proof, fully functional luxury shower at all floors, levels, and heights.	6.00	Each			
145	Provide and install a tall pillar tap in polished chrome finish with flexible hose pipe, including all required mounting hardware, washers, and fittings. Installation shall be complete for all floors, levels, and heights.	112.00	Each			

146	Provide and install a 6L step-on waste bin in stainless steel finish, including all necessary fixings and accessories, complete for all floors, levels, and heights as per project requirements.	112.00	Each			
147	Towel Rail/ Towel Ring : Provide and install a towel bar in polished chrome finish with brass brackets, securely fixed to wooden plugs using chrome-plated brass screws. Installation shall be complete for all floors, levels, and heights as per project specifications.	52.00	Each			
148	Towel Ring : Provide and install a towel ring in polished chrome finish with chrome-plated brass brackets, securely fixed to wooden plugs. Installation shall be complete for all floors, levels, and heights as per project specifications.	108.00	Each			
149	Provide and install a wall-mounted toilet tissue holder with protective cover in polished chrome finish, made from premium metal/brass. Installation includes all mounting hardware, ensuring durability, corrosion resistance, and ease of use at all floors, levels, and heights.	79.00	Each			
150	Provide and install a premium wall-mounted bathroom mirror with high-quality, distortion-free glass and a minimalist design. Copper-free construction ensures humidity resistance and durability. Includes all mounting brackets and hardware for secure installation at all floors, levels, and heights.	128.00	Each			
151	Provide and install a 600×800 mm premium LED bathroom mirror with integrated perimeter lighting, built-in defogger, and touch-sensor switch. Copper-free glass ensures humidity resistance and durability. Includes all mounting hardware for installation at all floors, levels, and heights.	27.00	Each			
152	Bib Tap : Providing and fixing screw down bib taps of following size. (A) Brass screw down bib tap polished bright. (i) 15mm dia.at all floors / all levels / all heights	56.00	Each			
153	CPVC Pipe (25mm) : Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR13.5) PIPE having National Sanitation Foundation(NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [C] 25 mm.at all floors / all levels / all heights	176.00	Rmt			
154	CPVC Pipe (32mm) : Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fitting and clamps including making good the wall, ceiling and floor etc. complete. [D] 32mm.at all floors / all levels / all heights	83.50	Rmt			
155	CPVC Pipe (40mm) : Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [E] 40mm.at all floors / all levels / all heights	70.60	Rmt			

156	CPVC Pipe (50mm) : Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [F] 50mm.at all floors / all levels / all heights	64.80	Rmt			
157	UPVC Pipe (15mm) : Providing laying and jointing in true line and level 15mm dia U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.at all floors / all levels / all heights	61.40	Rmt			
158	UPVC Pipe (25mm) : Providing laying and jointing in true line and level 25 mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.at all floors / all levels / all heights	80.60	Rmt			
159	UPVC Pipe (32mm): Providing laying and jointing in true line and level 32 mm dia.U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.at all floors / all levels / all heights	85.25	Rmt			
160	UPVC Pipe (40mm) : Providing laying and jointing in true line and level 40 mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.at all floors / all levels / all heights	337.50	Rmt			
161	UPVC Pipe (50mm): Providing laying and jointing in true line and level 50 mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.at all floors / all levels / all heights	69.30	Rmt			
162	PVC Cowl: Providing & fixing PVC Cowl on PVC ventilating pipes and verticals for soil and waste Pipes & Rain water pipes at top level/ terrace level, as specified and required, etc. complete. (B) 110 mm diameter	30.00	Each			
163	Handle Valve(15mm): Providing and fixing Brass Handle Metal Valve of standard company as per directed by engineer in charge. (A) 15mm dia. at all floors / all levels / all heights	148.00	Each			

164	Handle Valve (25mm): Providing and fixing Brass Handle Metal Valve of standard company as per directed by engineer in charge. (B) 25mm dia. at all floors / all levels / all heights	122.00	Each			
165	Handle Valve (40mm): Providing and fixing Brass Handle Metal Valve of standard company as per directed by engineer in charge. (C) 40mm dia. at all floors / all levels / all heights	18.00	Each			
166	Handle Valve (50mm): Providing and fixing Brass Handle Metal Valve of standard company as per directed by engineer in charge. (D) 50mm dia. at all floors / all levels / all heights	10.00	Each			
167	Cement-Lime 2:1(2-cement : 1-Hydraulic lime) mortar 1:1.5(1-Cement-Lime pozzolana with hydraulic Lime : 1.5 sand) mortar for plaster, bedding mortar, masonry mortar.at all floors / all levels / all heights	293.40	Cum			
168	Providing and fixing approved make water saving low flow aerator of chrome plated brass / ABS plastic, screw-on type, suitable for fixing to standard wash basin, sink and bib taps, capable of limiting water flow to 8.0 litres per minute at normal working pressure, including necessary adapters, washers and sealing arrangements, testing for leakage and satisfactory performance, complete as per relevant Indian Standards, manufacturer's specifications and directions of Engineer-in-Charge.at all floors / all levels / all heights	120.00	Each			
169	Provide and install a deck-mounted single-control bathroom sink faucet in chrome finish with soft-press operation and a maximum flow rate of 5.7 L/min. Includes flexible hoses, washers, mounting hardware, and fittings, with testing for leakage, smooth operation, and performance, at all floors, levels, and heights.	36.00	Each			
170	Providing and fixing Disabled toilet Hand Rail Set Grab bar of approved quality as per IS and shall be approved by Engineer In Charge.at all floors / all levels / all heights	2.00	Set			
171	Extra and over for providing richer RMC and change of concrete grade for any Component of Building in M-30/M-35 grade cement concrete instead of M25 (Note :- M25 Cement content considered in this item is @ 450 kg/cum as per showing minimum cement content.)	250.00	Cum			
172	Conveyance charges of any types building materials like lime murrum building rubbish earth, manuar of sludge and excavated rock,fly ash & surplus excavated earth from site as directed by etc. complete as directed by EIC. A) Upto 25.00 Km.	2441.00	Cum			
173	Barricading the site: Providing & Erecting and maintaining temporary protective barricading as per given design and drawing of 2.4m high.Item includes taking pits of size 300 mmx 300 mmx 450 mm, Concreting in pits with1:2:4 concrete, embedding Structural vertical member MS angle posts of size (50x50x6mm) at 2.5m centers, Providing horizontal steel tube 50 × 50 × 4 mm and 40 × 40 × 5 mm angle bracing structural members for barricades includes All necessary hardware complete.Item include providing and fixing 0.8 mm thick pre-coated galvalume corrugated sheet of approved make.	170.00	Rmt			
Fix Furniture & Miscellaneous Works						

174	<p>Acoustic Fabric panelleing :</p> <p>Providing and supplying Acoustical Wall Paneling with square edges made of fibre glass which have the LOW-VOC containt as per the GRIHA 3star/IGBC gold rating substrate of 25mm thick and wrapped on the front side with an acoustically transparent and classified for Fire reaction Class B-s1, d1 as per EN13501, fabric with an option of colors which have the LOW-VOC containt as per the GRIHA 3star/IGBC gold rating – Ivory, Autumn Orange, Pista Green, Straw Gold, Rustic Green, Burgundy, Rust, Peacock Blue, Ash Grey, Mocha as per the choice of the Architect of size 600X1200 mm providing a minimum sound absorption level of 0.90 NRC to be affixed to wall using Wall panel impalers supplied and construction adhesives as per the instructions laid down by the manufacturer.</p> <p>INSTALLATION:4nos. wall panel Impalers of shall be fixed to the wall surface using self tapping screws. Silica based construction adhesive which have the LOW-VOC containt as per the GRIHA 3star/IGBC gold rating to be dabbed on to the projecting elements (spikes) of the impalers. wall panels shall be pierced through the spikes of the impalers ensuring the line and level of the panels are maintained.Installation to be carried out by Trained Installation team & Installation should be carried out as per recommended procedure. Warranty Certificate and Test Reports for NRC and Fire rating shall be provided by Vendor. To be fixed as per the instructions of Engineer-in-Charge .at all floors / all levels / all heights</p>	299.00	Smt			
175	<p>Slatted Panelling :</p> <p>Manufacturing, supply, arrangement and keeping in good condition until project completion slatted panels which have Low VOC and formaldehyde free containt as per the GRIHA 3star/IGBC gold rating of 12 mm thickness of any height as required to be fitted at all heights/all levels with necessary arrangement like plywood which have Low VOC and formaldehyde free containt as per the GRIHA 3star/IGBC gold rating or similar etc with the help of fixtures such as bonding agents such as fevicol which have LOW-VOC containt as per the GRIHA 3star/IGBC gold rating, screws of any diameter or similar complete of design provided by the architect and should be installed as per the directions provided by the Engineer-in-Charge. at all floors / all levels / all heights</p>	1422.00	Smt			
176	<p>Cane Panelling: Manufacturing, supply, arrangement and keeping in good condition until project completion Cane sheet which have Low VOC and formaldehyde free containt as per the GRIHA 3star/IGBC gold rating of any height as required to be fitted at all heights/all levels in Wall panelling as per design & drawing with necessary arrangement like plywood or similar etc with the help of fixtures such as bonding agents such as fevicol which have the LOW-VOC containt as per the GRIHA 3star/IGBC gold rating , screws and framing with of any diameter or similar complete of design provided by the architect and should be installed as per the directions provided by the Engineer-in-Charge. at all floors / all levels / all heights</p>	14.00	Smt			

177	Cane Panelling in Glass Sandwich : Manufacturing, supply, arrangement and keeping in good condition until project completion Cane sheet which have Low VOC and formaldehyde free containt as per the GRIHA 3star/IGBC gold rating of any height as required to be fitted at all heights/all levels in Wall panelling and false ceiling work as per design & drawing with necessary arrangement like plywood which have Low VOC and formaldehyde free containt as per the GRIHA 3star/IGBC gold rating or similar etc with the help of fixtures such as bonding agents such as fevicol LOW-VOC containt as per the GRIHA 3star/IGBC gold rating , screws and framing with of any diameter or similar complete of design provided by the architect and should be installed as per the directions provided by the Engineer-in-Charge. at all floors / all levels / all heights	46.08	Smt			
178	Carpet & Rug Paelling : Manufacturing, supply, arrangement and keeping in good condition until project completion Carpet and Rug Panelling of any height as required to be fitted at all height/all levels in wall panellig as per design & drawing with necessary arrangement like plywood or similar etc. with the help of Fixtures such as bonding agents such as fevicol which have Low VOC and formaldehyde free containt as per the GRIHA 3star/IGBC gold rating, screws and framing with of any diameter or similar complete of design provided by Architect and should be installed as per directions provided by the Engineer-in-charge. at all floors / all levels / all heights	179.00	Smt			
179	Interior Texture special for VVIP room : Providing and applying Luxury / Art Finishes Luxture Texture with basecoat 2 mm thick with durabond 1 bag 1.5 litre and top coat upto 3 mm thick on Interior Walls & Exterior walls with different style, shade, finish and texture coat including all material, labour , Transportation and all accessories, scaffolding & support system. Design as per Architect's Selection and as per the direction of Engineer-in-charge at all floors / all levels / all heights including all lead and lift	1206.00	Smt			
180	Interior Texture for VIP & Delux room : Providing and applying Premium Metallic Luxture Texture with basecoat 2 mm thick with durabond 1 bag 1.5 litre and top coat upto 5 mm thick on Interior Walls & Exterior walls with different style, shade, finish and texture coat including all material, labour , Transportation and all accessories, scaffolding & support system. Design as per Architect's Selection and as per the direction of Engineer-in-charge at all floors / all levels / all heights including all lead and lift	4229.00	Smt			

181	Aluminum Work :Providing and fixing aluminium work for doors, fixed or openable windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including glazing with 6 mm toughened glass, necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc., Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws,including frame, mullions, transoms, glazing beads, cleats, brackets, screws, fasteners, handles, locks, hinges, floor spring, tower bolts, rubber gaskets and all necessary hardware all complete as per architectural drawings and the directions of Engineer-in-charge.For fixed portion - Powder coated aluminium (minimum thickness of powder coating 50 micron).at all floors / all levels / all heights	1750.00	Kg			
182	Wooden ceiling with carving : Supply, fabrication, and installation of high-quality wooden carved ceiling which have as per approved design and drawings. Work includes selection of wood which have Low VOC and formaldehyde free containt as per the GRIHA 3star/IGBC gold rating, precise carving, finishing, polishing LOW-VOC containt as per the GRIHA 3star/IGBC gold rating, and fixing the panels with proper alignment and support system. Rate includes supply of wood, carving, finishing materials, labor, transportation, handling, and complete installation including all necessary hardware and accessories.at all floors / all levels / all heights	1569.00	Smt			
183	Cane Panelled Ceiling: Manufacturing, supply, arrangement and keeping in good condition until project completion Cane sheet which have Low VOC and formaldehyde free containt as per the GRIHA 3star/IGBC gold rating ceiling as required to be fitted with the help of G.I framing at all heights/all levels in false ceiling work as per design & drawing with necessary arrangement like plywood which have Low VOC and formaldehyde free containt as per the GRIHA 3star/IGBC gold rating or similar etc with the help of fixtures such as bonding agents such as fevicols which have Low VOC containt as per the GRIHA 3star/IGBC gold rating, screws and framing with of any diameter or similar complete of design provided by the architect and should be installed as per the directions provided by the Engineer-in-Charge. at all floors / all levels / all heights	150.00	Smt			
184	Solid Wood Rafters ceiling: Providing and Installing Solid Wooden Rafters of size 75mmx 75mm thickness with PU Polish with all required kneels, Screwing etc. with all labour , material, transportation, and all scaffolding, support system. As per Design of Architect's selection and as per direction of Engineer-in-charge. (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)at all floors / all levels / all heights	72.00	Rmt			

185	<p>Carpet & Ceiling : Providing and Fixing Carpet of size 900mm x 900mm in Gypsum Ceiling fixed with the help of using screw fixing on the wall and fixing with the help of Clip/screw and where ever required and using Vinyl Grippers of etocone make Griper system using track(perimeter track, Half wrap, Mid seam whatever is required). Vinyl Grippers must have base tapes for better grip. Carpet cut into required size and shape and streached , inserted inside the Gripper by using tools recommended by manufacturer, Streaching, Supplying and laying as per Architect's selection and as per direction of Engineer-in-charge. As specified including all accessories, material, & Labour complete as directed by Architect/ Engineer-in-charge. at all floors / all levels / all heights</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	75.00	Smt			
186	<p>Acoustic Baffle ceiling:</p> <p>Providing and fixing hexa by using aluminium 2mm thick pipe of size 25 X 50mm and fixing 9mm marco polyster fiber acoustic panel finishing with NRC upto 0.90 and it should meet the safety requirements of EN 14190 with size of 80mm X 80mm width with the height of 300mm by using 3mm thick hanging rod (6 nog hanging rod in 1 baffle) with top using fastner as approved by Architect and as specified including all accessories,material and labour complete as directed by Architect/Engineer-in-charge.at all floors / all levels / all heights(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating and All Fabric used should be IFR(Inherently fire retardant)</p>	172.00	Smt			
187	<p>TOUGHENED GLASS PARTITION : Providing and fixing Frameless glass partition with 12 mm toughned Glass / 12 mm compact sheet in multi parts also can be use with party glazed partly panalled with 12 mm compact sheet with EPDM gasket , Silicon approved make and color Dow corning / GE must be use with backer rod, Fitting Screw stainless Steel.at all floors / all levels / all heights</p>	297.00	Smt			
188	<p>Corner Table : Providing & Placing in position Corner table of size 600 X 600 X 450 mm made from Solid teakwood with varnish polish and Table Top made from laminet finish/Glass complete as per instruction given by engineer in charge/Architect. at all floors / all levels / all heights</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	15.00	Each			

189	VIP Corner Table : Providing & Placing in position Corner table of size 600 X 600 X 450 mm made from Solid teakwood with varnish polish finish and Table Top made from veneer with pu polish/ Glass complete as per instruction given by engineer in charge/Architect. at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free content,Polish/Paint/adhesive Should be Low VOC content as per the GRIHA 3star/IGBC gold rating)	28.00	Each			
190	V.VIP Brass top Corner Table : Providing & Placing in position Corner table of size 600 X 600 X 450 mm made from Solid teakwood with varnish polish and Table Top being made from 1 mm decorative brass plate with lacquered polish finish as per the design and instruction given by engineer in charge/Architect.at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free content,Polish/Paint/adhesive Should be Low VOC content as per the GRIHA 3star/IGBC gold rating)	12.00	Each			
191	Center Table : Providing & Placing in position Center table of size 900 X 600 X 450 mm made from Solid teakwood with Varnish Polish finish and Table Top made from laminet finish/Glass complete as per instruction given by engineer in charge/Architect.at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free content,Polish/Paint/adhesive Should be Low VOC content as per the GRIHA 3star/IGBC gold rating)	6.00	Each			
192	VIP Center Table : Providing & Placing in position Center table of size 900 X 600 X 450 mm made from Solid teakwood with Varnish Polish finish Table Top made from veneer with Pu polish/Glass complete as per instruction given by engineer in charge/Architect.at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free content,Polish/Paint/adhesive Should be Low VOC content as per the GRIHA 3star/IGBC gold rating)	14.00	Each			
193	V.VIP Center Table : Providing and placing custom-made 1000mm dia and 450mm height centre table with solid teak wood legs and frame, finished in natural polish, complete with handcrafted brass top (minimum 3–4 mm thick) with brushed / antique finish, including all necessary joinery, fixing hardware, levelling, polishing, and finishing as approved by Architect / EIC. The item shall include carpentry work, brass fabrication, surface finishing, edge detailing, transportation, and installation at site, complete in all respects, as directed by the Architect / Engineer-in-Charge.at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free content,Polish/Paint/adhesive Should be Low VOC content as per the GRIHA 3star/IGBC gold rating)	6.00	Each			

194	Drawer Unit: Providing and fixing Drawer unit, size 450x600x600mm as per design provided by the architect with drawer with lock of size 450x600x200mm and shutter made from 18 mm calibrated plywood of standard make having 0.8mm thick laminate finish with drawer channel including all assecaries like lock, handles, etc. complet as per instruction given by engineer in charge/Architect.at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)	76.00	Each			
195	Drawer Unit: Providing and fixing Drawer unit, size 450x600x600mm as per design provided by the architect with drawer with lock of size 450x600x200mm and shutter made from 18 mm calibrated plywood of standard make having 3-5mm thick veneer with pu polish finish with drawer channel including all assecaries like lock, handles, etc. complet as per instruction given by engineer in charge/Architect.at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)	28.00	Each			
196	V.VIP Drawer Unit (With brass top): Providing and fixing Drawer unit with 1 mm decorative brass plate with lacqured polish finish, size 450x600x600mm as per design provided by the architect with drawer with lock of size 450x600x200mm and shutter made from 18 mm calibrated plywood of standard make having 3-5mm thick veneer with pu polish finish and top made from 1 mm decorative brass plate with lacqured polish finish with drawer channel including all assecaries like lock, handles, etc. complet as per instruction given by engineer in charge/Architect.at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)	12.00	Each			
197	Low Height Storage(LHS) : Providing & fixing in position Low Height Storage (LHS) Unit of size having Height - 750mm and Depth - 450mm with 0.8mm thick laminate finish made from 18mm BWR Calibrated Plywood of standard make along with batten patti at sides and edge with polish and MS legs complete as per instruction given by engineer in charge/Architect. at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)	115.88	Smt			

198	<p>V.VIP Low Height Storage with carving brass top (LHS) : Providing, fabricating, and fixing custom-designed storage size having size Height - 750mm and Depth - 450mm console / sideboard unit comprising a brass-clad front and top surface with decorative embossed / radial carved pattern panels, fixed over a seasoned plywood / MDF backing, finished in antique brushed brass finish as approved by the Architect.</p> <p>The unit shall be supported on solid teak wood legs, duly seasoned and treated, finished with natural / matching polish.at all floors / all levels / all heights</p> <p>The item includes internal carcass in BWP plywood, soft-close drawers / shutters (as per design), concealed hardware, hinges, drawer channels, handles (integrated / concealed), all joinery, polishing, protection, transportation, and installation complete in all respects, as directed by the Architect / Engineer-in-Charge.</p>	43.43	Smt			
199	<p>WARDROBE: Manufacturing, supply, arrangement and keeping in good condition until project completion of freestanding/ wall fixed wardrobe storage unit having drawers, shelves, hangers etc up to 600 mm deep as per drawings and instruction of EIC. Carcass, boxes, shelves, drawers and shutters made with 8/ 12 / 18 / 25 mm thick block board/ ply wood confirming to Urea formaldehyde free MR/ BWP grade Decorative type (BWP/MR-DEC) as per relevant IS codes using low VOC adhesive with 9 mm solid wood lipping having colour, shade and grain selected by architect low using VOC CFC HCFC free suitable adhesive. External facia of plywood to be covered with 4 mm thick decorative veneer as per selection and 9 mm thick solid wood batten as per design and all internal facia of ply wood for shutters, drawers, shelves to be covered with 0.8 mm thick laminate. Aluminium pipe framing for shutters as per design to be included. All joinery to be based on good practices such as tongue and groove joint, dovetail joint etc and using hardware such as "L" brace, Tee, corner brace, screws, nails and pocket-screw joinery etc. as per drawings, specification and instruction by architect. Price to be inclusive of all other such as adhesive, nails, screws, fasteners, telescopic channel, sliding channel, clips, abro tap, ABS parts, SS/ solid wooden handle, etc and all labour All external wood to be seasoned indian teak wood. All veneer/ solid wooden surfaces shall be polished with water based low VOC PU polish in shade, finish, texture and specification as per architect including fine sanding before and after insulator (sealer) coats and first coat of PU, clear non-toxic low VOC termite control additive, 2 coat of clear epoxy insulator in 1:1 proportion of hardner and epoxy, dent filling with matching putty, wooden stainer and 2 coats of water based PU etc. complete. Area to be measured in elevation. All plywood/ solid wood to be treated for termite using PIDILITE Terminator Wood Preservative or equivalent. at all floors / all levels / all heights</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free content,Polish/Paint/adhesive Should be Low VOC content as per the GRIHA 3star/IGBC gold rating)</p>	164.03	Smt			
200	<p>Puffy: Providing and Laying Puffy of Size 600x600 with all transportation,Labour,Material and Scaffolding etc.Design as per architecture selection and as per instruction given by engineer incharge .at all floors / all levels / all heights</p>	114.00	Each			

201	<p>VIP Puffy: Providing, fabricating, and placing custom-made upholstered puffy / ottoman of overall size 600 × 600 mm, comprising an internal hardwood / BWP plywood frame, upholstered with high-density foam cushioning (minimum 40–50 mm thick) and finished with premium fabric / PU leather upholstery in approved colour and texture, with vertical channel stitching / fluted pattern as per design.</p> <p>The item shall include proper padding, neat tailoring, concealed stitching, firm base support with anti-skid / felt pads, and complete finishing.</p> <p>Rate shall include all materials, labour, upholstery work, stitching, adhesives, transportation, and placement at site, complete in all respects, as directed by the Architect / Engineer-in-Charge.at all floors / all levels / all heights</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating and All Fabric used should be IFR(Inherently fire retardant)</p>	56.00	Each			
202	<p>V.VIP Puffy: Providing, fabricating, and placing custom-made upholstered puffy / bench ottoman of overall size 1500 × 750 mm, comprising a solid hardwood / BWP plywood internal frame with turned wooden legs and moulded base profile, finished in approved polish / paint finish.</p> <p>The top seating surface shall be upholstered with high-density PU foam cushioning (minimum 75–100 mm thick) and finished with premium fabric / velvet / PU leather upholstery in approved colour, featuring deep button tufting and neat stitching as per design.at all floors / all levels / all heights</p> <p>The item includes all upholstery work, padding, buttons, polishing, joinery, protective base pads, transportation, and placement at site complete in all respects, as directed by the Architect / Engineer-in-Charge.</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating and All Fabric used should be IFR(Inherently fire retardant)</p>	30.00	Each			

203	<p>STUDY Table with WOODEN CHAIR : Providing, fabricating, and fixing custom-made wall-mounted study table with integrated drawers, and a matching study chair, complete in all respects.</p> <p>The study table shall be made from BWP grade plywood / MDF, finished with laminate on top surface and laminet finish to drawer fronts, comprising a smooth working surface, floating drawers with concealed soft-close channels, and a continuous wooden back ledge. The table shall be securely fixed to the wall with concealed MS brackets / supports, complete with edge banding and finishing.</p> <p>The study chair shall be provided with a solid wood / metal frame, upholstered cushioned seat, finished in approved fabric and polish, complete with floor protection pads.</p> <p>The item includes all carpentry, metal work, hardware, polishing, upholstery, transportation, and installation, complete in all respects, as directed by the Architect / Engineer-in-Charge.at all floors / all levels / all heights</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	38.00	Each			
204	<p>VIP STUDY table with WOODEN CHAIR : Providing, fabricating, and fixing custom-made wall-mounted study table with integrated drawers, and a matching study chair, complete in all respects.</p> <p>The study table shall be made from BWP grade plywood / MDF, finished with natural wood veneer with pu poish on top surface and PU-painted finish to drawer fronts, comprising a smooth working surface, floating drawers with concealed soft-close channels, and a continuous wooden back ledge. The table shall be securely fixed to the wall with concealed MS brackets / supports, complete with edge banding and finishing.</p> <p>The study chair shall be provided with a solid wood / metal frame, upholstered cushioned seat, finished in approved fabric and polish, complete with floor protection pads.</p> <p>The item includes all carpentry, metal work, hardware, polishing, upholstery, transportation, and installation, complete in all respects, as directed by the Architect / Engineer-in-Charge.at all floors / all levels / all heights</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	28.00	Each			

205	<p>V.VIP STUDY table WOODEN CHAIR : Providing, fabricating, and fixing custom-made wall-mounted study table with integrated drawers along with a matching study chair, complete in all respects.</p> <p>The study table shall be made from BWP grade plywood / solid wood, finished with natural wood veneer / polish, comprising a smooth working top with 6 mm corian sheet of white color glossy finish, multiple drawers with decorative wooden knobs, concealed runners, and ornamental edge detailing as per approved design. The table shall be securely fixed to the wall with concealed brackets and supports.</p> <p>The overhead cabinet shall be constructed from BWP plywood with wooden framing, provided with glass-fronted shutter panels, clear / frosted glass as approved, wooden knobs, internal shelving, concealed hinges, and finished to match the study table.</p> <p>The study chair shall be provided with a solid wood frame with upholstered seat and backrest, finished in approved leather upholster finish and polish, complete with padding and floor protection pads.</p> <p>The item includes all carpentry, glass work, hardware, fittings, polishing, upholstery, transportation, and installation, complete in all respects, as directed by the Architect / Engineer-in-Charge.at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	12.00	Each			
206	<p>Single Seater Sofa: Providing & Fixing Single Seated sofa of size 900x610x770mm having artificial leather upholster finish using tropical seasoned hardwood and partical board legs material comes in Ply wood facia with melemine coating comes in synthetic leather with nylon polyster stiching seat and back foam come in 28d polyurithine slab stock foam with 1" recron layer and bonding solution will be bolting glue. at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating and All Fabric used should be IFR(Inherently fire retardant)</p>	76.00	Each			

207	<p>VIP Single Seater fabric Sofa: Providing, fabricating, and placing custom-made single-seater upholstered sofa of overall size 900 × 610 × 770 mm, comprising a solid hardwood (teak wood / equivalent approved) exposed structural frame with curved armrests and legs, machine-finished and polished in approved natural finish.</p> <p>The seating and backrest shall be provided with high-density PU foam cushioning with fibre wrap, upholstered in premium fabric / linen upholstery in approved colour and texture, including loose / fixed back cushions as per design.</p> <p>Item includes complete carpentry, joinery, upholstery, cushioning, polishing, floor protection pads, transportation, and placement at site, complete in all respects, as directed by the Architect / Engineer-in-Charge.at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating and All Fabric used should be IFR(Inherently fire retardant)</p>	28.00	Each			
208	<p>V.VIP Single Seater premium fabric Sofa: Providing, fabricating, and placing premium custom-made single-seater upholstered sofa of overall size 900 × 610 × 770 mm, comprising a solid seasoned teak wood / approved hardwood exposed structural frame, featuring continuous rounded edge armrests, back support rails, and legs, machine-crafted and hand-finished for a seamless designer appearance.</p> <p>Seat and back cushions shall be made of multi-layer high-resilience PU foam (40–45 density) with soft fibre wrap, providing superior comfort and shape retention, upholstered in premium imported / upholstery-grade fabric or linen blend, stain-resistant and abrasion-tested, in approved colour and texture.</p> <p>All wooden members shall be smoothly polished with premium PU / oil-based natural finish, highlighting wood grain.</p> <p>Item includes complete carpentry, upholstery, cushioning, polishing, anti-skid floor pads, transportation, positioning at site, complete in all respects, as directed by the Architect / Engineer-in-Charge.at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating and All Fabric used should be IFR(Inherently fire retardant)</p>	12.00	Each			
209	<p>Two Seater Sofa : Providing & Fixing Two Seated sofa of size 1500x610x770mm having artificial leather upholster finish using tropical seasoned hardwood and partical board legs material comes in MDF wooden facia with melemine coating comes in synthetic leather with nylon polyster stiching seat and back foam come in 28d polyurithine slab stock foam with 1" recron layer and bonding solution will be bolting glue. at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating and All Fabric used should be IFR(Inherently fire retardant)</p>	10.00	Each			

210	<p>VIP Two Seater fabric Sofa : Providing, fabricating, and placing custom-made double-seater upholstered sofa of overall size 1500 × 610 × 770 mm, comprising a solid hardwood exposed frame with continuous armrest profile and legs, finished in approved natural wood polish.</p> <p>The sofa shall be provided with high-density PU foam seat and back cushions with fibre wrap, upholstered in premium fabric / linen upholstery, with neat tailoring and concealed stitching, suitable for residential / hospitality use.</p> <p>Item includes all materials, carpentry, upholstery, polishing, accessories, transportation, and placement at site, complete in all respects, as directed by the Architect / Engineer-in-Charge.at all floors / all levels / all heights</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating and All Fabric used should be IFR(Inherently fire retardant)</p>	28.00	Each			
211	<p>V.VIP Two Seater premium fabric Sofa : Providing, fabricating, and placing custom-made double-seater upholstered sofa of overall size 1500 × 610 × 770 mm, comprising a solid seasoned teak wood / approved hardwood exposed structural frame, featuring continuous rounded edge armrests, back support rails, and legs, machine-crafted and hand-finished for a seamless designer appearance.</p> <p>Seat and back cushions shall be made of multi-layer high-resilience PU foam (40–45 density) with soft fibre wrap, providing superior comfort and shape retention, upholstered in premium imported / upholstery-grade fabric or linen blend, stain-resistant and abrasion-tested, in approved colour and texture.</p> <p>Item includes all materials, carpentry, upholstery, polishing, accessories, transportation, and placement at site, complete in all respects, as directed by the Architect / Engineer-in-Charge.at all floors / all levels / all heights</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating and All Fabric used should be IFR(Inherently fire retardant)</p>	12.00	Each			
212	<p>Three Seater Sofa : Providing & Fixing Three Seated sofa of size 2100 x 610 x 770mm having artificial leather upholster finish using tropical seasoned hardwood and partical board legs material comes in MDF wooden facia with melemine coating comes in synthetic leather with nylon polyster stiching seat and back foam come in 28d polyurithine slab stock foam with 1" recron layer and bonding solution will be bolting glue. at all floors / all levels / all heights(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating and All Fabric used should be IFR(Inherently fire retardant)</p>	8.00	Each			

213	<p>VIP Three Seater fabric Sofa : Providing, fabricating, and placing custom-made three-seater upholstered sofa of overall size 2100 × 610 × 770 mm, comprising a solid hardwood structural frame with exposed armrests and legs, finished in approved natural wood polish / PU finish.</p> <p>Seating and back cushions shall be made of high-density PU foam with fibre wrap, upholstered in premium fabric / linen upholstery, ensuring comfort, durability, and uniform finish suitable for heavy-use areas.</p> <p>Item includes full carpentry, upholstery, cushioning, polishing, accessories, transportation, and placement at site, complete in all respects, as directed by the Architect / Engineer-in-Charge.at all floors / all levels / all heights(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating and All Fabric used should be IFR(Inherently fire retardant)</p>	14.00	Each			
214	<p>V.VIP Three Seater premium fabric Sofa : Providing, fabricating, and placing custom-made three-seater upholstered sofa of overall size 2100 × 610 × 770 mm, featuring continuous rounded edge armrests, back support rails, and legs, machine-crafted and hand-finished for a seamless designer appearance.</p> <p>Seat and back cushions shall be made of multi-layer high-resilience PU foam (40–45 density) with soft fibre wrap, providing superior comfort and shape retention, upholstered in premium imported / upholstery-grade fabric or linen blend, stain-resistant and abrasion-tested, in approved colour and texture.</p> <p>Item includes full carpentry, upholstery, cushioning, polishing, accessories, transportation, and placement at site, complete in all respects, as directed by the Architect / Engineer-in-Charge.at all floors / all levels / all heights</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating and All Fabric used should be IFR(Inherently fire retardant)</p>	6.00	Each			
215	<p>Deluxe Balcony Premium Chair :Providing and placing deluxe balcony premium Chair made from seasoned hard wood/engineered wood, smoothly finished and weather-resistant, with ergonomically designed seat and back, cushioned upholstery, complete with fittings, fixing, all materials and labour, as per specifications and directions of Engineer-in-Charge.at all floors / all levels / all heights</p>	76.00	Each			

216	<p>VIP Lounge Seating Set : Providing, fabricating, supplying, and placing premium outdoor rattan lounge seating set, comprising two (2) single lounge chairs and one (1) center side table, made from high-quality synthetic rattan / PE wicker handwoven on powder-coated MS / aluminium / seasoned hardwood frame, suitable for outdoor and semi-outdoor use. Each lounge chair shall be ergonomically designed with curved woven backrest and arm support, mounted on sturdy tapered legs, complete with loose seat and back cushions made from high-resilience PU foam, upholstered in outdoor-grade, water-resistant, UV-stable fabric in approved colour.at all floors / all levels / all heights</p> <p>Center table shall be circular in shape with woven rattan base structure and solid top (wood / WPC / exterior-grade laminate), stable and weather-resistant, matching the chair finish and design language. complete in all respects, as directed by the Architect / Engineer-in-Charge.</p>	28.00	Each			
217	<p>V.VIP Lounge Seating Set : Supply, Installation & Placement of Premium Handcrafted Outdoor Seating Set</p> <p>Providing and placing premium-quality handcrafted natural rattan/cane outdoor seating furniture set, comprising two (2) lounge chairs with ergonomically curved backrests, one (1) central round coffee table, and one (1) matching side table, suitable for verandah, balcony, lounge, or semi-open spaces.</p> <p>The furniture shall be manufactured from seasoned, treated natural rattan/cane, handwoven by skilled craftsmen, ensuring high durability, structural stability, and superior finish. All joints shall be securely fixed and reinforced. The surface shall be smooth, splinter-free, and uniformly finished in a natural matte tone.</p> <p>Lounge chairs shall be provided with high-density foam seat and back cushions, upholstered in premium, removable, and washable fabric, suitable for indoor and covered outdoor use. Cushions shall be neatly tailored with concealed stitching for a refined appearance.at all floors / all levels / all heights</p> <p>The coffee table and side table shall be matching in material, texture, and finish, with a sturdy woven top and stable base, designed to complement the seating aesthetically and functionally. Item includes all materials, labour, tools, handling, transportation, installation, and positioning, complete in all respects, as directed by the Architect / Engineer-in-Charge.</p>	12.00	Each			

218	<p>VIP Dining Table : Supply, installation and placing of premium round dining table, 1000 mm diameter, designed in contemporary style, suitable for residential, hospitality or office pantry use.</p> <p>The table shall be manufactured from high-quality engineered wood / solid wood (as approved) with veneered / laminate finished top, supported on a central pedestal base ensuring structural stability and adequate legroom. The tabletop shall have smooth rounded edges, uniform grain pattern, and a scratch-resistant, moisture-resistant polished finish. All surfaces shall be factory finished with approved shade and texture.</p> <p>The item shall include all materials, fittings, labour, handling, transportation, installation, and positioning, complete in all respects, as directed by the Architect / Engineer-in-Charge.at all floors / all levels / all heights</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	1.76	Each			
219	<p>V.VIP Dining Table (Solid Wooden marble inlay) : Supply, installation and placing of premium VVIP dining table, size 2100 × 900 × 750 mm (L × W × H), designed in classical-luxury style.</p> <p>The dining table shall be constructed with a high-strength internal framework of seasoned solid wood / marine-grade plywood, finished with premium stone / composite stone / marble-finish top (as approved) incorporating decorative inlay / CNC patterned border work in contrasting tone. The tabletop shall have polished, stain-resistant, scratch-resistant finish with smooth chamfered edges.</p> <p>The table base shall be robust pedestal type, finished with PU / enamel paint and gold-tone accent detailing, providing high load-bearing capacity and long-term stability. All visible surfaces shall be factory finished, uniform in shade, free from warping, cracks or blemishes.</p> <p>The item shall include all materials, inlay work, surface finishing, hardware, labour, handling, transportation, installation and positioning, complete in all respects, as approved by the Engineer-in-Charge.at all floors / all levels / all heights</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	11.34	Each			

220	<p>VIP Dining Chair : Supply, installation and placing of premium upholstered dining chair, designed to complement the VIP dining table.</p> <p>The chair shall have a solid wood / engineered wood frame with ergonomically designed curved backrest and arm support, finished in approved polish. Seating and backrest shall be provided with high-density foam cushioning, upholstered in premium fabric / leatherette, neatly stitched and firmly fixed. Legs shall be fitted with floor-protecting bushes to prevent damage to flooring.at all floors / all levels / all heights</p> <p>The item shall include all materials, fittings, labour, transportation, installation and positioning, complete in all respects, as directed by the Architect / Engineer-in-Charge.</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	56.00	Each			
221	<p>V.VIP Dining Chair : Supply, installation and placing of premium upholstered dining chair, suitable for use with the above VVIP dining table.</p> <p>The chair shall be manufactured with a solid wood / engineered wood frame, ergonomically shaped high backrest with arm support, and finished in approved polish / PU finish. Seat and backrest shall be provided with high-density foam cushioning, upholstered in premium fabric / velvet / leatherette, neatly tailored with concealed stitching.</p> <p>Chair legs shall be provided with metal / solid wood supports, finished with gold-tone / polished accents, and fitted with floor-protecting bushes to avoid damage to flooring.</p> <p>The item shall include all materials, upholstery, hardware, labour, transportation, installation and positioning, complete in all respects, as directed by the Architect / Engineer-in-Charge.at all floors / all levels / all heights</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	36.00	Each			
222	<p>Console: Providing and Laying Wooden Console unit of size 0.9 m(L) x 0.45m(B) x 0.75 m(H). Design as per Selection of Architect and as per direction of Engineer in charge.at all floors / all levels / all heights</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt, as per the GRIHA 3star/IGBC gold rating)</p>	6.00	Each			

223	<p>VIP Console: Supply, installation and placing of premium designer console / sideboard unit, size 1600 × 450 × 900 mm (L × W × H), finished in contemporary luxury style.</p> <p>The console shall be fabricated with a high-quality internal framework of seasoned solid wood / BWP grade plywood, externally finished with premium natural veneer in approved shade. The front elevation shall feature vertical fluted / ribbed decorative panels, precision-crafted to achieve uniform grooves and a refined three-dimensional texture.</p> <p>The top surface shall be finished in matching veneer / solid wood, with smooth rounded edges and protective clear PU coating for durability. The unit shall be fitted with soft-close concealed hinges and premium hardware of approved make, ensuring smooth and silent operation. Internal storage (shelves / compartments) shall be neatly finished and properly aligned.</p> <p>All exposed surfaces shall be warp-free, smooth, and factory finished, with consistent grain pattern and superior workmanship. The item shall include all materials, veneer work, hardware, labour, handling, transportation, installation and positioning, complete in all respects, as approved by the Engineer-in-Charge.at all floors / all levels / all heights</p>	14.00	Each			
224	<p>V.VIP Console: Supply, installation and placing of premium designer console / sideboard unit, size 1600 × 450 × 900 mm (L × W × H), finished in contemporary-luxury style.</p> <p>The console shall be manufactured using a high-quality internal framework of seasoned solid wood / BWP grade plywood, finished externally with premium veneer / PU finish in approved shade. The front shall feature decorative CNC-crafted panelled shutters, providing a refined three-dimensional texture and uniform alignment.</p> <p>The unit shall be supported on metal / solid wood legs with anti-corrosive finish and floor-protecting bushes. All shutters shall be fitted with soft-close concealed hinges / hardware of approved make, ensuring smooth and silent operation. Internal shelving (if any) shall be neatly finished and properly aligned.</p> <p>All exposed surfaces shall be smooth, warp-free, and factory finished, with consistent colour, sharp edges, and premium workmanship. The item shall include all materials, fittings, hardware, labour, handling, transportation, installation and positioning, complete in all respects, as directed by the Architect / Engineer-in-Charge.at all floors / all levels / all heights</p>	6.00	Each			

225	<p>DISPLAY PANELS : Manufacturing, supply, arrangement and keeping in good condition until project completion digitally printed canvas display having 1) Canvas - 100% cotton, biodegradable 0.45 mm thick and weight of 200 GSM canvas having tensile strength warp: 400N / weft:500N with pretreated prime coat. 2) Digital high-definition colour printing using non-fading eco-friendly ink. 3) Pasting canvas on Single layer of 9mm thick Heavy Duty Compressed (High Pressure Steam Cured) WPC Board conforming to as per relevant IS . 4) WPC board pasted canvas shall be fixed on MS frame made of 25X 25X 2 mm thick MS frame powder coated with 50 micron epoxy powder coating using SS 304 SS Studs with caps or high strength fasteners as per drawings and instruction by architect. The MS frame shall be fixed on wall/ partition using high strength fasteners and other hardware as required. 5) Including all hardware, ABS parts and all labour etc. 6) The high resolution graphic shall be supplied by architect in appropriate digital format. 6) metal work shall be paid separately in relevant tender item.at all floors / all levels / all heights</p>	2.16	Smt			
226	<p>Canvas+Acrylic Painting : Providing and applying Canvas and Acrylic painting . Canvas 100% cotton, biodegradable 0.45mm thick and weight of 200 GSM canvas having tensile strength warp: 400N/ weft: 500N with pretreated prime coat. Digital High definition colour printing using non-fading eco-friendly ink. As per Architect's Selection and as per direction of Engineer in charge. at all floors / all levels / all heights</p>	113.50	Smt			
227	<p>Fabric with Block Printing: Providing and Fixing Fabric with Block printing with framing on plywood and 5mm thick glass with PU pain. As per Design on Architect's selection and as per direction of Engineer-in-charge. With all material, labour, Accessories, Hardware (screw, glue, kneel, wire etc.) , transportation .etc. at all floors / all levels / all heights</p>	122.88	Smt			
228	<p>Solid Wood Carving: Providing and Fixing Solid wood with Carving and with PU Polish . Design as per Architect's selection and as per direction of Engineer-in-charge. With all material, labour, accessories, Hardware(wires, kneel, glue, screws, etc.) , transportation and with all scaffolding, and support system. at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	179.10	Smt			
229	<p>Jute Weaving: Providing and Fixing Jute Weaving artwork with fixing on plywood and glass framing with all material, labour , accessories, Hardware(Glue, screw, etc.) , Transportation, .Design as per Architect's selection and as per direction of Engineer-in-charge.at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	66.60	Smt			

230	MDF+CNC : Providing and fixing CNC cut MDF panel of 12mm thickness fixed with ply wood with PU Paint . Design as per Architect's selection and as per direction of Engineer-in-charge. With all Material, labour , accessories, hardware(wires, nails, etc.), transportation with All scaffolding & support sytem. at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)	77.09	Smt			
231	Brass +Patina : Providing and Laying Brass sculpture and Artwork with patina finish at desired location with all material, labour , transportation etc. Design as per Architect's selection and as per direction of Engineer-in-charge. at all floors / all levels / all heights	86.40	Smt			
232	Cortel Steel+ Patina: Providing and Laying Cortel steel sculpture and artwork with patina finish at desired location with all material, labour , transportation etc. Design as per Architect's selection and as per direction of Engineer-in-charge. at all floors / all levels / all heights	111.60	Smt			
233	STENSIL TEXTURE ART WORK - Manufacturing, supply, arrangement and keeping in good condition until project completion either on wall or ceiling art work mural made with 6-8 mm thick copolymer emulsion based special texture applied in 2-3 coats wth roller/ brush on a surface fixed with 6 mm thick MDF stensil having CNC/ laser cut shapes/ patterns/ design/ art work. The MDF stensil shall be temporarily fixed on wall/ ceiling with help of screws/ fastners and the texture paint shall be applied with cleaning the surface and applying acrylic putty/ primer as per instruction of the architect. The dried texture surface shall be painted with dirt and fungus resistant low VOC premium emulsion paint in colour, shade, finish as selected by the architect. The rate shall be inclusive all temporary props/ materials, scafollding, tools and all provisions for the artists including all labour and material. All product Make approved as per tender and architect selection.at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)	180.00	Smt			

234	<p>Mural art work : Design, supply, installation and finishing of decorative 3D wall art / feature wall panel, executed in high-relief sculptural finish, as per approved design and drawing. The wall art shall comprise hand-crafted / CNC-carved 3D motifs inspired by floral / lotus forms, executed using glass-reinforced gypsum (GRG) / fibre reinforced plastic (FRP) / high-density gypsum / cementitious composite (as approved). The relief shall be multi-layered with varying depths, creating a rich three-dimensional visual effect.</p> <p>The surface shall be smoothly finished, crack-free, and uniformly textured, including surface preparation, joint filling, fine sanding, primer application and final paint finish in approved shade. All fixing shall be done using approved mechanical anchors and adhesives, ensuring long-term stability and alignment.at all floors / all levels / all heights</p> <p>The item shall include all materials, moulding, carving, fixing framework, labour, tools, scaffolding, lighting coordination cut-outs (if required), finishing and cleaning, complete in all respects, as directed by the Engineer-in-Charge.</p>	57.60	Smt			
235	<p>BED : Manufacturing, supply, arrangement and keeping in good condition until project completion of single or double bed upto 550 mm height of as per design drawings and instruction of EIC. Framing, bracing, horizontal and vertical supports and facia shall be made of seasoned Indian teak wood, MS pipes and Urea formaldehyde free MR/BWP grade ply wood as per drawings and top shall be made of 18 / 25 mm thick ply wood confirming to Urea formaldehyde free MR/BWP grade Decorative type (BWP/MR-DEC) as per relevant IS codes using low VOC adhesive. CFC HCFC free suitable adhesive. External facia of plywood to be covered with 10 mm solid indian teakwood as per selection. Top face of ply wood support of mattress to be covered with 1 mm thick laminate. For all edges 9 mm solid indian team wood lipping to be used. All joinery to be based on good practices such as tounge and groove joint, dovetail joint etc and using hardware such as "L" brace, Tee, corner brace, screws, nails and pocket-screw joinery etc. as per drawings, specification and instruction by EIC. Price to be inclusive of all other hardware such as adhesive, nails, screws, fasteners, clips, abro tap, ABS parts etc and all labour. All external wood to be seasoned indian teak wood. All externally visible surfaces of solid wooden surfaces shall be polished with water based low VOC PU polish in shade, finish, texture and specification as per architect including fine sanding before and after insulator (sealer) coats and first coat of PU, clear non-toxic low VOC termite control additive, 2 coat of clear epoxy insulator in 1:1 proportion of hardner and epoxy, dent filling with matching putty, wooden stainer and 2 coats of water based PU etc.and all internal surfaces of plywood/ wood to be polished using laquer polish. All externally visible MS pipes to be finished using polyster powder coating and non visible pipes to be finished with epoxy primer and satin oil paint. Rates to be for complete product as per drawings and as directed by EIC. Area to be measured in plan. All plywood/ solid wood to be treated for termite using Terminator Wood Preservative or equivalent. at all floors / all levels / all heights</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	141.93	Smt			

236	<p>VIP Bed : Supply, installation and placing of premium upholstered bed, complete with designer padded headboard, executed in contemporary luxury style, as per approved design and drawing.</p> <p>The bed shall be constructed with a robust internal framework of seasoned solid wood / BWP grade plywood, designed for long-term structural stability. The headboard shall be fully upholstered with high-density foam cushioning, ergonomically contoured and finished with premium fabric / leatherette upholstery in approved colour and texture. Upholstery shall be neatly stitched, wrinkle-free, and securely fixed.</p> <p>The bed base shall be upholstered to match the headboard and designed to support standard mattress size (as specified), with adequate ventilation and load-bearing capacity. Legs shall be metal / solid wood, finished in approved shade and fitted with floor-protecting bushes to prevent damage to flooring.</p> <p>The item shall include all materials, upholstery work, foam, internal framing, fittings, labour, handling, transportation, installation and positioning, complete in all respects, as approved by the Engineer-in-Charge.at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	52.29	Smt			
237	<p>V.VIP solid wooden caving Bed : Providing, fabricating and installing a premium quality custom-made solid wood bed of approved design, size and finish, manufactured from first-class seasoned teak wood or approved hardwood, kiln dried and chemically treated for termite, borer and moisture resistance. The bed shall include an ornamental hand-carved wooden headboard with traditional / heritage motifs, solid wood side rails and footboard with decorative carved profiles, and a heavy-duty wooden base or slatted support system suitable to receive mattress (mattress excluded). All components shall be assembled using proper carpentry joinery with concealed fittings to ensure strength, stability and durability. All exposed wooden surfaces shall be finished with premium quality polish / PU / melamine in natural wood tone or approved shade, free from cracks, warping, tool marks or sharp edges. The item shall include all materials, skilled labour, carving workmanship, polishing, transportation, handling, installation, fittings, fixtures and accessories complete in all respects, executed strictly as per approved drawings, samples and directions of the Architect / EIC.at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	22.41	Smt			
238	<p>MATTERESS : Supply and placing in position keeping in good condition until project completion of meteress height upto 150 mm depth having 3" Ortho bonded + 1" H.R foam + 2" Memory + full foam quilted jaquared cover with 5 year replacement warranty.at all floors / all levels / all heights</p>	141.93	Smt			

239	VIP MATTERESS : Providing and placing premium quality King size mattress of approved make, made of high-density PU foam / spring or foam-spring combination, minimum 150 mm thick, finished with quilted fabric cover, complete all as per approved specification and directions of Engineer-in-Charge.at all floors / all levels / all heights	52.29	Smt			
240	V.VIP MATTERESS : Providing, supplying and placing premium quality King size mattress of approved make and specification, suitable for luxury residential / hospitality use, comprising high-density PU foam / pocketed spring or spring-foam combination (as approved), with a minimum overall thickness of 150–200 mm. The mattress shall have a medium-firm comfort level, ensuring adequate body support and long-term durability. Outer cover shall be of premium quality quilted fabric, breathable, anti-dust and anti-allergic, neatly stitched and finished. Mattress shall be resistant to sagging, deformation and moisture, and suitable for continuous use. The rate shall include cost of mattress, transportation, handling, placing in position complete in all respects, as per approved samples and directions of the Architect / EIC.at all floors / all levels / all heights	22.41	Smt			
241	BEDSHEET PLAIN : Manufacturing, supply, arrangement and keeping in good condition until project completion of Bed sheet having size as per approved drawing.Bedsheet finish and colour as per architect selection.Bedsheet material shall be 100% Cotton or Cotton-Polyester Blend with spun. Bedsheet having 200-300 Thread Count with 120-140 GSM and feel like Soft, breathable, durable. bedsheet shall be fully washable with percentage 3% to 5% of Shrinkage after washing.Mesurement should be consider in plan area. all item shall be done as per approved sample. (size= 2.1 x 2.2 m)at all floors / all levels / all heights	38.00	Each			
242	VIP BEDSHEET PLAIN : Manufacturing, supply, arrangement and keeping in good condition until project completion of Bed sheet having size as per approved drawing.Bedsheet finish and colour as per architect selection.Bedsheet material shall be 100% Long-Staple Cotton with spun. Bedsheet having 300-500 Thread Count with 140-160 GSM and feel like Silky smooth, luxurious touch. bedsheet shall be fully washable with percentage 3% to 5% of Shrinkage after washing.Mesurement should be consider in plan area. all item shall be done as per approved sample. (size= 2.1 x 2.2 m)at all floors / all levels / all heights	14.00	Each			
243	V.VIP BEDSHEET PLAIN : Manufacturing, supply, arrangement and keeping in good condition until project completion of Bed sheet having size as per approved drawing.Bedsheet finish and colour as per architect selection.Bedsheet material shall be 100% Organic Long-Staple Cotton with spun. Bedsheet having 600–1000+ TC Thread Count with 160–200+ GSM feel like Ultra-premium, softness. bedsheet shall be fully washable with percentage 3% to 5% of Shrinkage after washing.Mesurement should be consider in plan area. all item shall be done as per approved sample. (size= 2.1 x 2.2 m)at all floors / all levels / all heights	6.00	Each			

244	BEDSHEET ELASTIC FITTED : Providing and placing elastic fitted bedsheet of approved make, made from superior quality cotton / blended fabric, high thread count, colourfast and soft finish, with elastic all around for proper mattress fit, neatly stitched and finished, complete all as per approved specification and directions of Engineer-in-Charge.. (Size: 1.8 x2.1 m)at all floors / all levels / all heights	58.00	Each			
245	Deluxe Pillow With Cover : Manufacturing, supply, arrangement and keeping in good condition until project completion of pillow of Microfiber / Hollow Conjugated Siliconized Fiber minmum 430 x 680 mm with 150 mm thickness as per approved drawing. pillow cover finish and colour as per architect selection.pillow cover material shall be 100% Cotton or Cotton-Polyester Blend with spun. All pillow and covers . Measurement should be consider in plan area. all item shall be done as per approved sample.at all floors / all levels / all heights	76.00	Each			
246	VIP Pillow With Cover : Manufacturing, supply, arrangement and keeping in good condition until project completion of pillow of Down-Alternative / Premium Microfiber / Memory Foam Blend minimum 430 x 680 mm with 150 mm thickness as per approved drawing. pillow cover finish and colour as per architect selection.pillow cover material shall be 100% Long-Staple Cotton with spun. All pillow and covers . Measurement should be consider in plan area. all item shall be done as per approved sample.at all floors / all levels / all heights	28.00	Each			
247	V.VIP Pillow With Cover : Manufacturing, supply, arrangement and keeping in good condition until project completion of pillow of Goose Down / 100% Natural Down / Premium Memory Foam minimum 430 x 680 mm with 150 mm thickness as per approved drawing. pillow cover finish and colour as per architect selection.pillow cover material shall be 100% Organic Long-Staple Cotton with spun. All pillow and covers . Measurement should be consider in plan area. all item shall be done as per approved sample.at all floors / all levels / all heights	12.00	Each			
248	Natural Plantation: Providing and placing Natural Plantation (Aglaonema, Chlorophytum comosum (Spider Plant), Sansevieria (Snake Plant), Dracaena marginata, Aspidistra elatior, Monstera Deliciosa, Zanzibar Gem, Aglaonema Wishes, Indoor Majesty Palm, Peace lily, Syngonium podophyllum, Dracaena marginata, Parlor Palm, etc. or equivalent) with Round Ceramic/FRP Planter Pots of shall be approved by Engineer In charge/Architect.at all floors / all levels / all heights	536.00	Each			
249	Cloth Liner : Providing and fixing in position as per drawing and manufacturer specification cloth liner Adjustable fiber line extends up to a long range: up to 8.2 Feets. Lock Button with Made of Premium Solid 18/10 stainless steel construction with Copper PULL HEAD and accessories, ensuring durability and longer life time. Shiny mirror finish, nice and elegant appearance. Dimension: 3.66 X 2.17 inches, Weight: 8.82 oz. including 1x clothesline,1 x installation accessories.at all floors / all levels / all heights	58.00	Each			

250	Mosquito Jali : Providing and fixing SS304 grade Mosquito Jali of approved quality as per EIC / Architect of any size and any shape in frame and shutter fixed with approved quality of screws and fasteners required to tighten the Jali / Net all as per direction etc. including providing and fixing EPDM quality rubber /siliconsealant /structural sealant, complete at all floors /all levels /all heights. Actual installed quantity shall be measured and paid. Rate shall be inclusive of all type of wastages.	945.92	Smt			
251	Polyster Anti Slip shaggy fluffy fur Rugs and Carpet: Providing and placing of polyester anti slip shaggy fluffy fur rugs and carpet with extra 1 to 2 inch pile hight skin in comfort, the design shall be approved by engineer in charge or architect.at all floors / all levels / all heights	217.50	Smt			
252	Pelemet Work: Providing and fixing AC Pelmet of Wooden .Design as per selection of Architect and as per direction of Engineer -in-charge.at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt as per the GRIHA 3star/IGBC gold rating)	283.27	Smt			
253	Door Mat: Provoding and fixing of Door Mat of any design, texture and material as per directed by Engineer In Chargeat all floors / all levels / all heights	27.45	Smt			
254	VIP Dining Hall Table : Providing, fabricating, supplying and placing premium quality dining table of size 1800 mm × 900 mm × 750 mm (L × W × H) made from first-class seasoned hardwood / approved engineered wood with solid wood framing, kiln dried and chemically treated for termite and moisture resistance. The table shall have a solid or veneered top with smooth edges, supported on sturdy wooden legs with proper joinery ensuring strength and stability. All exposed surfaces shall be finished with premium quality PU polish finish in approved shade, complete all as per approved design, specification and directions of Engineer-in-Charge. at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)	19.20	Smt			

255	<p>General Dining Hall Table : Providing, fabricating, supplying and placing dining table of size 1800 mm × 900 mm × 750 mm (L × W × H), made from first-class seasoned hardwood / teak wood/ approved engineered wood with solid wood framework, kiln dried and chemically treated for termite and moisture resistance. The table shall have a thick laminated tabletop with rounded edges and uniform thickness, supported on sturdy central solid wood pedestal legs or panel legs as per approved design, ensuring strength and stability. All exposed surfaces shall be finished with melamine polish finish in approved shade, complete all as per approved drawings, specifications and directions of Engineer-in-Charge.at all floors / all levels / all heights (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	19.20	Smt			
256	<p>VIP Dining Hall Chair : Providing, supplying and placing premium quality dining chair made from seasoned hardwood / approved material, kiln dried and chemically treated for termite resistance, with ergonomically designed backrest and seat. The seat and backrest shall be upholstered with high-density foam and finished with premium quality leatherette in approved colour and texture, neatly stitched and securely fixed. The chair shall be stable, comfortable and suitable for regular dining use. The item includes all materials, upholstery, fittings, finishing, transportation and placing in position complete all as per approved specification and directions of Engineer-in-Charge.at all floors / all levels / all heights All exposed surfaces shall be finished with PU polish or laminate finish as approved. The chair shall be sturdy, well-balanced and suitable for regular institutional use, complete with protective PVC / nylon bushes at bottom. (Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	80.00	Each			

257	<p>General Dining Hall Chair : Providing, supplying and placing premium quality dining chair made from seasoned hardwood / teak wood / approved material, kiln dried and chemically treated for termite resistance, with ergonomically designed backrest and seat. The seat and back shall be upholstered with high-density foam and finished with premium quality fabric in approved colour and texture, neatly stitched and fixed. Chair shall be stable, comfortable and suitable for regular dining use. The item includes all materials, fittings, upholstery, finishing, transportation and placing in position complete all as per approved specification and directions of Engineer-in-Charge.at all floors / all levels / all heights</p> <p>All exposed surfaces shall be finished with melamine polish finish as approved. The chair shall be sturdy, well-balanced and suitable for regular institutional use, complete with protective PVC / nylon bushes at bottom.</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	80.00	Each			
258	<p>Meeting Table : Providing, fabricating, supplying and placing premium quality conference table of approved design and size, made from first-class seasoned hardwood / engineered wood framework, kiln dried and chemically treated for termite and moisture resistance. The tabletop shall be of solid/veneered or laminated wood with smooth edges, supported on robust wooden or panel legs, designed to accommodate multiple seating as per approved layout. All exposed surfaces shall be finished with premium PU / melamine / polish finish in approved shade. The item includes all materials, fabrication, finishing, fittings, transportation and installation complete in all respects as per approved drawings, specifications and directions of Engineer-in-Charge.at all floors / all levels / all heights</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	21.42	Smt			
259	<p>Meeting Chairs : Providing, supplying and placing premium quality conference chair of approved design, made from seasoned hardwood / metal frame as approved, with ergonomic seat and backrest. The chair shall be upholstered with high-density foam and premium quality fabric / leatherette in approved colour and texture, neatly stitched and fixed. The base shall include swivel / fixed support with adequate stability for long-duration seating. The item includes all materials, upholstery, fittings, finishing, transportation and placing in position complete in all respects as per approved specifications and directions of Engineer-in-Charge.at all floors / all levels / all heights</p> <p>(Composite Wood products like MDF,Plywood etc Should be Low VOC and formaldehyde free containt,Polish/Paint/adhesive Should be Low VOC containt as per the GRIHA 3star/IGBC gold rating)</p>	89.00	Each			

260	Wooden Flooring :25 mm wooden planking, tongued and grooved in flooring, including fixing with iron screws complete with : Second class teak wood.at all floors / all levels / all heights	339.39	Smt			
261	MIRROR PANELING : Manufacturing, supply, arrangement mirror panenling upto 2100 mm height as per design and instruction of architect having: 1) Mirror: 6 mm thick mirror having copper-free coating and lead-free protective paint 2) Spacer - Mirror shall be fixed on non-metalling full width horizontal and vertical 40mm X 10 mm spacer at maximum of 300 mm c/c with two side high strength adhesive tape. 3) Panel- the mirror pasted on spacers shall be fixed on 9mm thick heavy duty compressed (high pressure steam cured) Asbestos free fibre cement board confirming to IS 14862: 2000 Type A Category III. The fibre cemnent board back side facing wall/partition shall be painted with 2 coats of epoxy/ elastomeric polymer based water proofing chemical. 4) Framing & Beading- There shall be 30 mm deep continuous extruded aluminium "T" profile with rubber gaskets to support the mirror panel and fix the secured mirror panel to the wall/ partition using heavy duty anchor fastners. The aluminium profile shall be powder coated with pure polyster or epoxy polyster in 50 micron thickness as per colour, finish as per drawing and instruction by architect. at all floors / all levels / all heights	52.20	Smt			
262	TRAP DOOR : Providing and fixing 38-52 mm thick door having single leaf/double leaf shutter hollow flush type door (36 mm thick base shutter along with 2/16 mm thick finish finish as specified), made out as following or superior specifications: 1) Aluminium extruded profile section frame at periphery of along with intermediate horizontal and vertical members of shutter in specified size, shape and thickness so as to have cumilative weight not less than 2.5 kg/m2. 2) 20 x 20 mm vertical/ horizontal teak wood member with black painting at handle side (fixed with aluminium section) for fixing tower bolt, handle, concealed lock body, etc. 3) 8 mm thick, IS 303 grade, urea formaldehyde (UF) free environment friendly plywood or Wood Polymer Composite (WPC) Board meeting green building norms fixed on both side of aluminium frame. 4) One side of shutter shall be covered either with 4 mm thick teak veneer / 8 mm solid wood battens of width as per design of specified and approved figure, shade and make and fixed with suitable low VOC adhesive as per requirement and instruction of architect. and second side covered with 1 mm thick laminate 5) 9mm thick external lipping of seasoned teak wood. water based low VOC PU polishing with necessary backing coat low VOC primer as per requirement and gap between two part should be filled with wool pile etc. complete as per drawing and as directed by architect. 6) The cavity of the door shall be filled with 20 mm thick low VOC environmental friendly mineral wool slab insulation having minimum density 48 kg/m3. Actual shutter including lipping area (single side) shall be measured for payment. Rate shall be inclusive of Aluminium & Necessary hardware like hinges, pivot, handle, tower bolts,all type of locks wooden framing, low VOC adhesive, nails, fastner with all labour for no item specified or which is necessary to have a complete door assembly etc complete for all level all height. Design, figure, colour shade and polish tint to be as approved by architect.at all floors / all levels / all heights	630.00	Smt			

263	Providing and fixing false ceiling of 10mm thick PVC fluted panels of approved make in wooden finish, including 50x25mm GI frame, tongue & groove fixing, corner moldings, and hardware, complete for all level height.Shade and pattern as per drawing and directed by architect and instruction by EIC.at all floors / all levels / all heights	867.00	Smt			
Fire Fighting Work						
264	Supply, Installation, Testing ,Commissioning of Electric driven main fire pump (Hydrant Pump) suitable for automatic operation and consisting of following: complete in all respect as required. a) Horizontal, centrifugal, end suction pump to ensure a minimum pressure of 3.5 kg / sq.cm. at highest and farthest outlet at specified flow of 2280 lpm at 70 m. head conforming to IS standards. b) Squirrel cage induction motor with suitable HP with synchronous speed 3000 RPM, Suitable for operation on 415 volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with Class-F insulation, Conforming to IS standards. c) Common Base plat for Pump and motor and coupling, coupling guard, vibration pad, cables and other accessories as required for complete Installation of pump set.	1.00	Each			
265	Supply, Installation, Testing ,Commissioning of Diesel Engine Driven (Stand By) fire pump suitable for automatic operation and consisting of following: complete in all respect as required. a) Horizontal, centrifugal, back pullout pump to ensure a minimum pressure of 3.5 kg / cm ² . at highest and farthest outlet at specified flow of 2280 lpm at 70m. head conforming to IS standards. b) Diesel engine of 1500/2900 RPM water cooled type with radiator conforming to relevant BS & IS standard complete with auto starting mechanism, 12 volts/24 volts electric starting equipment, Diesel tank, exhaust pipe extended up to 1 m. outside pump house duly insulated with 50 mm. thick glass wool with 1.0 mm. thick aluminium sheet cladding, residential silencer, instruments and protection as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc. vibration pad & other accessories as required for complete Installation of pump set.All product Make approved as per tender and architect selection.	1.00	Each			

266	<p>Supply, Installation, Testing ,Commissioning of Electric driven pressurization pump (Working) suitable for automatic operation and consisting of following: complete in all respect as required.</p> <p>a) Horizontal Type, single stage, centrifugal pump of cast iron body and bronze impeller with stainless steel shaft, mechanical seal and flow of 180 lpm at 70m.head conforming to IS standards.</p> <p>b) Squirrel cage induction motor with suitable HP with synchronous speed 3000 RPM, Suitable for operation on 415 volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with Class-F insulation, Conforming to IS standards.</p> <p>c) Common Base plat for Pump and motor and coupling, coupling guard, vibration pad, cables and other accessories as required for complete installation of pump set.</p>	1.00	Each			
267	<p>Supply, Installation, Testing ,Commissioning of Electric driven Terrace pump suitable for automatic operation and consisting of following: complete in all respect as required.</p> <p>a) Horizontal Type, single stage, centrifugal pump of cast iron body and bronze impeller with stainless steel shaft, mechanical seal and flow of 900 lpm at 40m.head conforming to IS standards.</p> <p>b) Squirrel cage induction motor with suitable HP with synchronous speed 3000 RPM, Suitable for operation on 415 volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with Class-F insulation, Conforming to IS standards.</p> <p>c) Common Base plat for Pump and motor and coupling, coupling guard, vibration pad, cables and other accessories as required for complete installation of pump set.</p>	1.00	Each			

268	<p>Supply, Installation,testing and commissioning of indoor FIRE FIGHTING PANEL as per Specification, Technical Data sheet & make list.Refer Single line diadram-J40_F_301_R0_SINGLE LINE DIAGRAM FOR FIRE FIGHTING PANEL.</p> <p>(TYPE- 2 CO-ORDITAION REQUIRED FOR CONTACTOR & I/C AND O/G MCCB & STARTER.)</p> <p>Incoming : 160A,4P,35 KA,MCCB WITH THERMAL MAGE. BASED RELEASE (O/L,S/C,E/F PROTE.) with CT and MFM & ON,OFF,TRIP & RYB indication lamp</p> <p>Busbar :200 A, 415V, 4P,35kA, 50Hz,AL. BUSBAR</p> <p>Outgoing :(A)2 NOS. 125 A FP 35 KA,MCCB WITH THERMAL MAGE. BASED RELEASE (O/L,S/C,E/F PROTE.) with CT and MFM & ON,OFF,TRIP indication lamp</p> <p>(B)1 NOS. 40 A FP MCB 10KA (D-Curve), 1 NOS. 32 A DP MCB 10KA (D-Curve) with ON OFF indication & DG ON, OFF indication lamp and SPD (8/350 μs current wave,125 ka, mcov:-1.2 kv) & other required accesories.</p> <p>(C) Fully Automatic Star-Delta Starter for above motors suitable for upto 75 HP with Electronic Overload,single phasing protection and reverse phase protection, Auto/Manual/Remote/Off Selector Switch, Push Button for Manual Start & Stop,Alarm with reset push button which will automatically reset for the next cycle, LED Type indication for ON/OFF/ TRIP status and digital motor protection relay and hoot ,star delta timer ,A-meter with selector switch with ct and provision for pressure switch control. & other required accesories (refer single line diagram). -1 nos.</p> <p>(D) Fully Automatic Star-Delta Starter for above motors suitable for upto 10 HP with Electronic Overload,single phasing protection and reverse phase protection, Auto/Manual/Remote/Off Selector Switch, Push Button for Manual Start & Stop,Alarm with reset push button which will automatically reset for the next cycle, LED Type indication for ON/OFF/ TRIP status and digital motor protection relay and hoot ,star delta timer ,A-meter with selector switch with ct and provision for pressure switch control. & other required accesories (refer single line diagram). -1 nos.</p> <p>(E) Control panel for diesel engine driven pump Auto/Manual/Remote/Off Selector Switch, Push Button for Manual Start & Stop,Alarm with reset push button which will automatically reset for the next cycle, LED Type indication for ON/OFF/ ACON/DCON/DG SET TO START FAIL and hooter with engine cranking relay and battery charging with auxilary relay. & other required accesories (refer single line diagram). -1 nos.</p>	1.00	Each			
269	<p>Supplying, Installation, Testing and Commissioning of Control Panel suitable for automatic operation of fire fighting pump consisting (Terrace pump)</p> <p>(a) Necessary cabling, wiring, earthing from panel to individual equipment shall be included in the quoted price.</p> <p>(b) Facility for more selections i.e auto or manual.</p> <p>(c) Protection failure and control cabling.</p> <p>(d) interlocking of pressure switch with pumps</p> <p>(e) Compatible for IBMS</p> <p>Major component of panel are as under :</p> <p>63A FP MCB with soft starter</p> <p>Single phasing preventor</p> <p>With push button</p> <p>On,off, trip indication lamp</p> <p>Space heater with thermostate</p> <p>Cooling exhaust fan. All product Make approved as per tender and architect selection.</p>	1.00	Each			

270	Supply, Installation, Testing ,Commissioning of 150 mm dia Pressure Gauge of range 0 - 15 Kg / cm ² conforming to IS - 3624 having bourdon tube of stainless steel 316 in cast aluminium, stove enameled, black, weather proof case with outer, screwed aluminium bezel and complete with necessary U-type stainless steel siphon tube and cock including providing suitably painted angle iron support to the tube etc.as per specification complete as required.	5.00	Each			
271	Supply, Installation, Testing ,Commissioning of Pressure Switches for automation of fire pumps. Pressure switches shall be double pole single throw type suitable for single phase supply with diaphragm. Aluminum Enclosure with IP 66 protection, cable connection to pressure switch to control panel & other accessories as required.	5.00	Each			
272	M.S. Above Ground Pipe Supply, Installation, Testing ,Commissioning of the following sizes of flange jointed / screwed / welded, M.S. Pipes of Class C (Heavy class) ISI marked including accessories such as MS bracket, U clamps with Anchor fasteners, tees / elbows / reducers / couplings / unions / bends / flanges / gaskets / Nut bolts etc., and laying on the surface including painting with one coat of anticorrosive primer and two coats of approved red enamel paint after laying and testing after Installation etc. as per specifications complete as required: 150 mm dia.	15.00	Rmt			
273	M.S. Above Ground Pipe Supply, Installation, Testing ,Commissioning of the following sizes of flange jointed / screwed / welded, M.S. Pipes of Class C (Heavy class) ISI marked including accessories such as MS bracket, U clamps with Anchor fasteners, tees / elbows / reducers / couplings / unions / bends / flanges / gaskets / Nut bolts etc., and laying on the surface including painting with one coat of anticorrosive primer and two coats of approved red enamel paint after laying and testing after Installation etc. as per specifications complete as required: 100 mm dia.	423.00	Rmt			
274	M.S. Above Ground Pipe Supply, Installation, Testing ,Commissioning of the following sizes of flange jointed / screwed / welded, M.S. Pipes of Class C (Heavy class) ISI marked including accessories such as MS bracket, U clamps with Anchor fasteners, tees / elbows / reducers / couplings / unions / bends / flanges / gaskets / Nut bolts etc., and laying on the surface including painting with one coat of anticorrosive primer and two coats of approved red enamel paint after laying and testing after Installation etc. as per specifications complete as required: 80 mm dia.	585.00	Rmt			

275	M.S. Above Ground Pipe Supply, Installation, Testing ,Commissioning of the following sizes of flange jointed / screwed / welded, M.S. Pipes of Class C (Heavy class) ISI marked including accessories such as MS bracket, U clamps with Anchor fasteners, tees / elbows / reducers / couplings / unions / bends / flanges / gaskets / Nut bolts etc., and laying on the surface including painting with one coat of anticorrosive primer and two coats of approved red enamel paint after laying and testing after Installation etc. as per specifications complete as required: 65 mm dia.	1080.00	Rmt			
276	M.S. Above Ground Pipe Supply, Installation, Testing ,Commissioning of the following sizes of flange jointed / screwed / welded, M.S. Pipes of Class C (Heavy class) ISI marked including accessories such as MS bracket, U clamps with Anchor fasteners, tees / elbows / reducers / couplings / unions / bends / flanges / gaskets / Nut bolts etc., and laying on the surface including painting with one coat of anticorrosive primer and two coats of approved red enamel paint after laying and testing after Installation etc. as per specifications complete as required: 25 mm dia.	360.00	Rmt			
277	M.S. Under Ground Pipe Supply, Installation, Testing ,Commissioning of the following sizes of flange jointed / screwed / welded, M.S. Pipes of Class C (Heavy class) ISI marked including accessories such as MS bracket, U clamps with Anchor fasteners, tees / elbows / reducers / couplings / unions / bends / flanges / gaskets / Nut bolts etc., and laying underground including one coat of anticorrosive primer and wrapping material of 4mm thick & 150 mm width protection coating as per IS:10221 by thermo fusion process,overlap shall be maintained at 15mm as per specifications complete as required: 150 mm dia.	20.00	Rmt			
278	M.S. Under Ground Pipe Supply, Installation, Testing ,Commissioning of the following sizes of flange jointed / screwed / welded, M.S. Pipes of Class C (Heavy class) ISI marked including accessories such as MS bracket, U clamps with Anchor fasteners, tees / elbows / reducers / couplings / unions / bends / flanges / gaskets / Nut bolts etc., and laying underground including one coat of anticorrosive primer and wrapping material of 4mm thick & 150 mm width protection coating as per IS:10221 by thermo fusion process,overlap shall be maintained at 15mm as per specifications complete as required: 100 mm dia.	40.00	Rmt			

279	M.S. Under Ground Pipe Supply, Installation, Testing ,Commissioning of the following sizes of flange jointed / screwed / welded, M.S. Pipes of Class C (Heavy class) ISI marked including accessories such as MS bracket, U clamps with Anchor fasteners, tees / elbows / reducers / couplings / unions / bends / flanges / gaskets / Nut bolts etc., and laying underground including one coat of anticorrosive primer and wrapping material of 4mm thick & 150 mm width protection coating as per IS:10221 by thermo fusion process,overlap shall be maintained at 15mm as per specifications complete as required: 80 mm dia.	10.00	Rmt			
280	Supply, Installation, Testing ,Commissioning of Y Strainer of CI Body flanged ends with stainless steel strainer 304 having 1.2mm perforation complete with necessary accessories: 150 mm dia.	2.00	Each			
281	Supply, Installation, Testing ,Commissioning of C.I. Gate valve (PN 1.6) as per IS:14846 complete as required: 150 mm dia.	15.00	Each			
282	Supply, Installation, Testing ,Commissioning of C.I. Gate valve (PN 1.6) as per IS:14846 complete as required: 100 mm dia.	5.00	Each			
283	Supply, Installation, Testing ,Commissioning of C.I. Gate valve (PN 1.6) as per IS:14846 complete as required: 80 mm dia.	3.00	Each			
284	Supply, Installation, Testing ,Commissioning of C.I. Gate valve (PN 1.6) as per IS:14846 complete as required: 65 mm dia.	2.00	Each			
285	Supply, Installation, Testing ,Commissioning of Non Return Valve with dual plate of CI body SS plates vulcanized NBR seal flanged end & PN 16 pressure rating as specified: 150 mm dia.	5.00	Each			
286	Supply, Installation, Testing ,Commissioning of Non Return Valve with dual plate of CI body SS plates vulcanized NBR seal flanged end & PN 16 pressure rating as specified: 65 mm dia.	2.00	Each			
287	Supply, Installation, Testing ,Commissioning of Air vessel,size of 250 mm dia., 8 mm thick M.S sheet, 1200 mm in height with Air release valve on top and flanged connection to down comer, drain arrangement with 25 mm dia. valve, pressure gauge with required accessories and painting with synthetic enamel paint of approved shade as required. The vessel shall be suitable for working pressure 8 kg/cm ² , Hydro test at 12Kg/cm ² .	2.00	Each			

288	Supply, Installation, Testing ,Commissioning of GM Single headed oblique type Hydrant valve (Internal & External) with instantaneous gun metal cuplings of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type-A) with blank pvc cap and chain as required.	15.00	Each			
289	Supply, Installation, Testing ,Commissioning of Fire Hose Cabinet of size 750mmx600mx250mm fabricated from 16 swg thick MS sheet with 6mm thick glazed hinged type centre opening doors having locking arrangement suitable for accommodating 2 nos RRL hose pipes, 1 no. nozzle, branch pipe & painting with two coats of anti-corrosive primer and two coats of approved red enamel paint etc. complete as required.All product	90.00	Each			
290	Supply, Installation, Testing ,Commissioning of 63 mm dia, 2x15 Mtrs. long RRL Hose Pipe with 63 mm dia male & female gun metal couplings duly binded with GI wire, rivets etc. conforming to IS 636 (type-A - RRL) as required.	90.00	Each			
291	Supply, Installation, Testing ,Commissioning of 63 mm GM Branch Pipe with 20mm GM nozzle conforming to IS:903, suitable for instantaneous connection to interconnect hose pipe coupling as required.	90.00	Each			
292	Supply, Installation, Testing ,Commissioning of First- Aid Hose Reel equipment with M.S. construction spray painted in post office red, conforming to IS:884 with up to date amendments, complete with the following as required. (a) 36 m. long, 25 mm dia. water hose thermoplastic (Textile reinforced) Type-2 as per IS:12585. (b) 25 mm dia gun metal globe valve & nozzle (c) Drum and swinging type fixing brackets on the wall. (d) Connections from riser with 25 mm dia. Gun metal ball valve.All product Make approved as per tender and architect selection.	90.00	Each			
293	Providing and fixing standard fireman Axe with heavy duty insulated rubber handle as per IS: 926 with clamps.All product Make approved as per tender and architect selection.	90.00	Each			
294	Supply, Installation, Testing ,Commissioning of Cast Iron Four Way Fire Brigade Inlet having 04 gunmetal 63mm male instantaneous inlets conforming to IS:903, fitted with non-return valves, flange outlet 280mm OD, 240mm PCD, eight holes of 22mm dia complete with 04 PVC blank caps and chains with accessories complete as required.	2.00	Each			
295	Supply, Installation, Testing ,Commissioning of Cast Iron Two Way Fire Brigade inlet having 02 gunmetal 63mm male instantaneous inlets conforming to IS:903, fitted with non-return valves, flange outlet 228mm OD, 190mm PCD, eight holes of 19mm dia complete with 02 PVC blank caps and chains with accessories complete as required.	2.00	Each			
296	Supply, Installation, Testing ,Commissioning of Gun Metal Single Draw Out connection having 100mm female round threaded connection to fit pump suction with accessories complete as required. Size:100mm	1.00	Each			

297	Supply, Installation, Testing ,Commissioning of Gun Metal Air Release Valve with necessary fittings. Size: 25 mm (For Riser)	6.00	Each			
298	Supply, Installation, Testing ,Commissioning of carbon dioxide (CO2) fire extinguisher user of following capacity with necessary clamps made from 50 x 6 mm M.S. Flat with nut & bolts grouted in wall complete. [A] For 4.5 Kg Capacity.All product Make approved as per tender and architect selection.	90.00	Each			
299	ABC Type Fire Extinguisher: Supply, Installation, Testing ,Commissioning of ABC type fire extinguisher for following capacity cartridge type with gun metal cap 150 gram CO2 gas cartridge, powder and brackets confirming to IS 2171 1985 and complete erected with necessary clamps made from 50 x 6 mm M S Flat with nuts and bolts grouted in wall complete. [A] For 6 Kg Capacity.	110.00	Each			
300	Supply, Installation, Testing ,Commissioning of D.C.P. type fire extinguisher for following capacity cartridge type with gun metal cap 150 gram CO2 gas cartridge, powder and brackets confirming to IS 2171 1985 and complete erected with necessary clamps made from 50 x 6 mm M S Flat with nuts and bolts grouted in wall complete. [A] For 5 Kg Capacity.	90.00	Each			
301	Supply, Installation, Testing ,Commissioning of Orifice plate to reduce pressure upto 5.5 Kg/sqcm complete in all respects. (for 80mm dia pipe - external and internal hydrants) .	90.00	Each			
302	Providing, fixing AUTO GLOW photo luminescent Signage's as per IS standard in Block / Small Letters on rigid sheet with necessary wall or Ceiling fittings as Specified Sizes: Fire Equipment: 4" x 12".	108.00	Each			
303	Providing, fixing AUTO GLOW photo luminescent Signage's as per IS standard in Block / Small Letters on rigid sheet with necessary wall or Ceiling fittings as Specified Sizes: b) In case of Fire, do not use lift, use staircase: 8" x 8".	90.00	Each			
304	M.S. Above Ground Pipe Supply, Installation, Testing ,Commissioning of the following sizes of flange jointed / screwed / welded, M.S. Pipes of Class C (Heavy class) ISI marked including accessories such as MS bracket, U clamps with Anchor fasteners, tees / elbows / reducers / couplings / unions / bends / flanges / gaskets / Nut bolts etc., and laying on the surface including painting with one coat of anticorrosive primer and two coats of approved red enamel paint after laying and testing after Installation etc. as per specifications complete as required.a) 200 mm dia.	15.00	Each			
305	Supply, Installation, Testing and commissioning of Quartzoid Bulb type Sprinkler Heads. a) Pendent Sprinkler 57°C - K-80 - standard response - UL listed	806.00	Each			
306	Smoke detector :Supplying, erecting testing and commissioning conventional optical type smoke detector on suitable back box with necessary connections complete	456.00	Each			

307	Heat detector :Supplying, erecting testing and commissioning heat detector with combination "ROR and Fixed Temp." complete	30.00	Each			
308	Response indicator : Supplying, installing, testing and commissioning remote response indicators suitable to operate on 5- 28 V dc supply having FR Polymer ABS Housing complete	456.00	Each			
309	Fire suppression system for kitchen :Supplying, installing, testing and commissioning of automatic wet chemical kitchen fire suppression system complete as per specifications.	320.00	Smt			
310	Supplying, installing, testing and commissioning of CO ₂ tube-based automatic fire suppression system for electrical panels complete as per specifications.	18.00	Rmt			
311	Supplying, installing, testing and commissioning of CO ₂ bottle and SS 304 pipe and chemical sprinkler system based fire fighting for kitchen complete as per specifications.	320.00	Smt			
	External Water Supply and Drainage Work					
312	Providing and fixing concealed centerpoint towall ceiling & floor CPVC (SDR13.5)PIPE having National Sanitation Foundation(NSF)seal for potable water of following dia. NO'Sminal bore tube fittings and clamps including making good the wall,ceilingand floor etc. complete.[A] 15 mm.	50.00	Rmt			
313	Providing and fixing concealed centerpoint towall ceiling & floor CPVC (SDR13.5)PIPE having National Sanitation Foundation(NSF)seal for potable water of following dia. NO'Sminal bore tube fittings and clamps including making good the wall,ceilingand floor etc. complete.[B]20 mm	70.00	Rmt			
314	Supply, instalation, testing & commissioning of gunmetal, male or female threaded isolation control valve (Wheel Valve), confirming to IS 778, PN 1.0, with necessary specials, union, nipples etc., to complete the job. (For Vertical Shaft Drops Work) 15mm dia	2.00	Each			
315	Supply, instalation, testing & commissioning of gunmetal, male or female threaded isolation control valve (Wheel Valve), confirming to IS 778, PN 1.0, with necessary specials, union, nipples etc., to complete the job. (For Vertical Shaft Drops Work) 20mm dia.	7.00	Each			
316	Supply, instalation, testing & commissioning of gunmetal, male or female threaded isolation control valve (Wheel Valve), confirming to IS 778, PN 1.0, with necessary specials, union, nipples etc., to complete the job. (For Vertical Shaft Drops Work) 25mm dia.	5.00	Each			
317	Supply, instalation, testing & commissioning of gunmetal, male or female threaded isolation control valve (Wheel Valve), confirming to IS 778, PN 1.0, with necessary specials, union, nipples etc., to complete the job. (For Vertical Shaft Drops Work) 32mm dia.	5.00	Each			
318	Supply, instalation, testing & commissioning of gunmetal, male or female threaded isolation control valve (Wheel Valve), confirming to IS 778, PN 1.0, with necessary specials, union, nipples etc., to complete the job. (For Vertical Shaft Drops Work) 40mm dia.	5.00	Each			

319	Supply, instalation, testing & commissioning of gunmetal, male or female threaded isolation control valve (Wheel Valve), confirming to IS 778, PN 1.0, with necessary specials, union, nipples etc., to complete the job. (For Vertical Shaft Drops Work) 50mm dia.	5.00	Each			
320	Supply, instalation, testing & commissioning of gunmetal, male or female threaded isolation control valve (Ball Valve), confirming to latest IS , PN 1.0, with necessary specials, union, nipples etc., to complete the job. (For Terrace Ring) 32mm dia.	3.00	Each			
321	Supply, instalation, testing & commissioning of gunmetal, male or female threaded isolation control valve (Ball Valve), confirming to latest IS , PN 1.0, with necessary specials, union, nipples etc., to complete the job. (For Terrace Ring) 40mm dia.	3.00	Each			
322	Supply, instalation, testing & commissioning of gunmetal, male or female threaded isolation control valve (Ball Valve), confirming to latest IS , PN 1.0, with necessary specials, union, nipples etc., to complete the job. (For Terrace Ring) 50mm dia.	3.00	Each			
323	Supplying, fitting & fixing NO'Sn return valve (Spring type Dual plate type) as per API 594/598 , tested to 10 KG/sq.cm etc. complete. 25mm dia.	3.00	Each			
324	Supplying, fitting & fixing NO'Sn return valve (Spring type Dual plate type) as per API 594/598 , tested to 10 KG/sq.cm etc. complete. 32mm dia.	3.00	Each			
325	Supplying, fitting & fixing NO'Sn return valve (Spring type Dual plate type) as per API 594/598 , tested to 10 KG/sq.cm etc. complete. 40mm dia.	3.00	Each			
326	Supplying, fitting & fixing NO'Sn return valve (Spring type Dual plate type) as per API 594/598 , tested to 10 KG/sq.cm etc. complete. 50mm dia.	3.00	Each			
327	Supply, Installation, Testing and Commissioning of 25 mm dia. air release valve.	5.00	Each			
328	Providing and fixing float valve with pressure type (Copper) float of approved make. 25mm dia.	3.00	Each			
329	Providing and fixing float valve with pressure type (Copper) float of approved make. 32mm dia.	2.00	Each			
330	Providing and fixing float valve with pressure type (Copper) float of approved make. 40mm dia.	2.00	Each			
331	Providing and fixing mosquito proof stainless steel overflow grating for tanks. (100 dia)	3.00	Each			
332	Supplying, installing, testing & commissioning of 'HDPE' double layer water storage tank including holes for inlet, outlet, overflow, level indicator, drain & vent points, manhole cover, suitable steel supporting structure complete. 1000 ltr.	3.00	Each			
333	Supply, installation, testing and commissioning of digital water meter suitable for cold water application, of electromagnetic / ultrasonic / mechanical type with digital display, conforming to IS 779 / ISO 4064 or latest relevant standards, including supply and fixing of all necessary fittings, complete testing, calibration, sealing and commissioning, capable of measuring and displaying cumulative water consumption, complete as per specifications and directions of Engineer-in-Charge. 25mm dia.	2.00	Each			

334	Supply, installation, testing and commissioning of digital water meter suitable for cold water application, of electromagnetic / ultrasonic / mechanical type with digital display, conforming to IS 779 / ISO 4064 or latest relevant standards, including supply and fixing of all necessary fittings, complete testing, calibration, sealing and commissioning, capable of measuring and displaying cumulative water consumption, complete as per specifications and directions of Engineer-in-Charge. 32mm dia.	2.00	Each			
335	Supply, installation, testing and commissioning of digital water meter suitable for cold water application, of electromagnetic / ultrasonic / mechanical type with digital display, conforming to IS 779 / ISO 4064 or latest relevant standards, including supply and fixing of all necessary fittings, complete testing, calibration, sealing and commissioning, capable of measuring and displaying cumulative water consumption, complete as per specifications and directions of Engineer-in-Charge. 40mm dia.	2.00	Each			
336	Supply, installation, testing and commissioning of digital water meter suitable for cold water application, of electromagnetic / ultrasonic / mechanical type with digital display, conforming to IS 779 / ISO 4064 or latest relevant standards, including supply and fixing of all necessary fittings, complete testing, calibration, sealing and commissioning, capable of measuring and displaying cumulative water consumption, complete as per specifications and directions of Engineer-in-Charge. 50mm dia.	2.00	Each			
337	Supply, installation, testing & commissioning of short body double flanged cast iron, NO'Sn rising spindle type Sluice Valve complete with C.I. body, Bronze LTB2 Seat rings, SS shaft and conforming to IS 780 / 14846 and suitable for PN 10 including companion flanges & CS Hardware etc. 25 mm dia.	1.00	Each			
338	Supply, installation, testing & commissioning of short body double flanged cast iron, NO'Sn rising spindle type Sluice Valve complete with C.I. body, Bronze LTB2 Seat rings, SS shaft and conforming to IS 780 / 14846 and suitable for PN 10 including companion flanges & CS Hardware etc. 32 mm dia.	1.00	Each			
339	Supply, installation, testing & commissioning of short body double flanged cast iron, NO'Sn rising spindle type Sluice Valve complete with C.I. body, Bronze LTB2 Seat rings, SS shaft and conforming to IS 780 / 14846 and suitable for PN 10 including companion flanges & CS Hardware etc. 40 mm dia.	1.00	Each			
340	Supply, installation, testing & commissioning of short body double flanged cast iron, NO'Sn rising spindle type Sluice Valve complete with C.I. body, Bronze LTB2 Seat rings, SS shaft and conforming to IS 780 / 14846 and suitable for PN 10 including companion flanges & CS Hardware etc. 50 mm dia.	1.00	Each			

341	<p>Design and Construction of road Storm water chamber of the following sizes in brick work with bricks of class 75 in cement mortar 1 : 5 (1 cement : 5 find sand) necessary foundation concrete (M-15). Inside & outside plastering 12 mm thick with cement mortar 1 : 3 with a floating a coat of neat cement. Including the RCC top slab (M-25) for fixing the FRC Seat and Cover including necessary excavation, dewatering, refilling, watering, ramming, removing, the surplus excavated material and making good the same complete as required. Cost shall be inclusive of providing, FRC grating with frame.(all design shall be follow relevent IS code)</p> <p>Internal size 1200 x 900 X 1200 ; FRC Grating / FRC cover with frame 600 x 600 mm (20 MT Capacity) With Frame and cover</p>	50.00	Each			
342	<p>Design and Construction of road Storm water chamber of the following sizes in brick work with bricks of class 75 in cement mortar 1 : 5 (1 cement : 5 find sand) necessary foundation concrete (M-15). Inside & outside plastering 12 mm thick with cement mortar 1 : 3 with a floating a coat of neat cement. Including the RCC top slab (M-25) for fixing the FRC Seat and Cover including necessary excavation, dewatering, refilling, watering, ramming, removing, the surplus excavated material and making good the same complete as required. Cost shall be inclusive of providing, FRC grating with frame.(all design shall be follow relevent IS code)</p> <p>Extra for every 10cm height or part thereof of chamber with above specification and size</p>	50.00	Each			
343	<p>Design and Construction of road Storm water chamber of the following sizes in brick work with bricks of class 75 in cement mortar 1 : 5 (1 cement : 5 find sand) necessary foundation concrete (M-15). Inside & outside plastering 12 mm thick with cement mortar 1 : 3 with a floating a coat of neat cement. Including the RCC top slab (M-25) for fixing the FRC Seat and Cover including necessary excavation, dewatering, refilling, watering, ramming, removing, the surplus excavated material and making good the same complete as required. Cost shall be inclusive of providing, FRC grating with frame.(all design shall be follow relevent IS code)</p> <p>Internal size 900 x 800X1000 ; FRC Grating / FRC cover with frame 600 x 600 mm (20 MT Capacity) With Frame and cover</p>	50.00	Each			

344	<p>Design and Construction of road Storm water chamber of the following sizes in brick work with bricks of class 75 in cement mortar 1 : 5 (1 cement : 5 find sand) necessary foundation concrete (M-15). Inside & outside plastering 12 mm thick with cement mortar 1 : 3 with a floating a coat of neat cement. Including the RCC top slab (M-25) for fixing the FRC Seat and Cover including necessary excavation, dewatering, refilling, watering, ramming, removing, the surplus excavated material and making good the same complete as required. Cost shall be inclusive of providing, FRC grating with frame.(all design shall be follow relevent IS code)</p> <p>Extra for every 10cm height or part thereof of chamber with above specification and size</p>	50.00	Each			
345	<p>Design and Construction of road Storm water chamber of the following sizes in brick work with bricks of class 75 in cement mortar 1 : 5 (1 cement : 5 find sand) necessary foundation concrete (M-15). Inside & outside plastering 12 mm thick with cement mortar 1 : 3 with a floating a coat of neat cement. Including the RCC top slab (M-25) for fixing the FRC Seat and Cover including necessary excavation, dewatering, refilling, watering, ramming, removing, the surplus excavated material and making good the same complete as required. Cost shall be inclusive of providing, FRC grating with frame.(all design shall be follow relevent IS code)</p> <p>Internal size 600 x 600 X900 FRC Grating / FRC cover with frame 600 x 600 mm (20 MT Capacity) With Frame and cover</p>	50.00	Each			
346	<p>Design and Construction of road Storm water chamber of the following sizes in brick work with bricks of class 75 in cement mortar 1 : 5 (1 cement : 5 find sand) necessary foundation concrete (M-15). Inside & outside plastering 12 mm thick with cement mortar 1 : 3 with a floating a coat of neat cement. Including the RCC top slab (M-25) for fixing the FRC Seat and Cover including necessary excavation, dewatering, refilling, watering, ramming, removing, the surplus excavated material and making good the same complete as required. Cost shall be inclusive of providing, FRC grating with frame.(all design shall be follow relevent IS code)</p> <p>Extra for every 10cm height or part thereof of chamber with above specification and size</p>	50.00	Each			

347	Design and Construction of road Storm water chamber of the following sizes in brick work with bricks of class 75 in cement mortar 1 : 5 (1 cement : 5 fine sand) necessary foundation concrete (M-15). Inside & outside plastering 12 mm thick with cement mortar 1 : 3 with a floating a coat of neat cement. Including the RCC top slab (M-25) for fixing the FRC Seat and Cover including necessary excavation, dewatering, refilling, watering, ramming, removing, the surplus excavated material and making good the same complete as required. Cost shall be inclusive of providing, FRC grating with frame.(all design shall be follow relevant IS code) FRC Heavy duty Cover 35 MT Capacity 580 mm diameter clear opening with seat	10.00	Each			
348	Providing and fixing stoneware gully trap of the following sizes in brick masonry chamber of standard design with first class bricks and trap to be set in cement concrete 1:2:4, both side 12mm thick plastering with floating coat of neat cement. Making necessary connections & providing water tight D.I. cover with frame of 300mm x 300mm internal size. The weight of cover & frame NO'T be less than 8 KG as per standard design. Including necessary excavation, dewatering, refilling, watering, ramming and removing the surplus excavated material and making good the same complete as required. 300 x 300X600mm chamber with 150 x 100mm size 'P' trap	25.00	Each			
349	Providing and fixing stoneware gully trap of the following sizes in brick masonry chamber of standard design with first class bricks and trap to be set in cement concrete 1:2:4, both side 12mm thick plastering with floating coat of neat cement. Making necessary connections & providing water tight D.I. cover with frame of 300mm x 300mm internal size. The weight of cover & frame NO'T be less than 8 KG as per standard design. Including necessary excavation, dewatering, refilling, watering, ramming and removing the surplus excavated material and making good the same complete as required. 450 x 450X600mm chamber with 150 x 150mm size 'P' trap	15.00	Each			
350	Providing and supplying tested pipes including freight, taxes, insurance and laying and jointing them along with specials such as tees, bends, reducers and jointing material and joints including lighting, guarding, barricading and other safety provisions, cutting the pipes, inspection/testing after laying etc. complete for following material of construction and sizes of ISI Marked RCC NP3 socket and spigot pipes conforming to IS 458:2003(excluding cost of excavation, refilling, etc.) one rubber ring should be supplied with each full length socketed pipe, cost including in rates below - Class NP3 300 mm dia	500.00	Rmt			

351	Providing and supplying tested pipes including freight, taxes, insurance and laying and jointing them along with specials such as tees, bends, reducers and jointing material and joints including lighting, guarding, barricading and other safety provisions, cutting the pipes, inspection/testing after laying etc. complete for following material of construction and sizes of ISI Marked RCC NP3 socket and spigot pipes conforming to IS 458:2003(excluding cost of excavation, refilling, etc.) one rubber ring should be supplied with each full length socketed pipe, cost including in rates below - Class NP3 450 mm dia	250.00	Rmt			
352	Providing and supplying tested pipes including freight, taxes, insurance and laying and jointing them along with specials such as tees, bends, reducers and jointing material and joints including lighting, guarding, barricading and other safety provisions, cutting the pipes, inspection/testing after laying etc. complete for following material of construction and sizes of ISI Marked RCC NP3 socket and spigot pipes conforming to IS 458:2003(excluding cost of excavation, refilling, etc.) one rubber ring should be supplied with each full length socketed pipe, cost including in rates below - Class NP3 600 mm dia	100.00	Rmt			
353	Providing and supplying tested pipes including freight, taxes, insurance and laying and jointing them along with specials such as tees, bends, reducers and jointing material and joints including lighting, guarding, barricading and other safety provisions, cutting the pipes, inspection/testing after laying etc. complete for following material of construction and sizes of ISI Marked RCC NP3 socket and spigot pipes conforming to IS 458:2003(excluding cost of excavation, refilling, etc.) one rubber ring should be supplied with each full length socketed pipe, cost including in rates below - Class NP3 900 mm dia	50.00	Rmt			
354	Providing, laying, jointing and testing in position the following glazed stone ware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) laid below ground level in trenches upto required depth including excavation in all kind of soil (hard / soft), dewatering, refilling, watering, ramming & removing the surplus excavated material and making good the same complete as required. Cost shall be inclusive of providing protection to pipe all round / haunches as per specification. 150 mm dia	250.00	Rmt			
355	Providing, laying, jointing and testing in position the following glazed stone ware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) laid below ground level in trenches upto required depth including excavation in all kind of soil (hard / soft), dewatering, refilling, watering, ramming & removing the surplus excavated material and making good the same complete as required. Cost shall be inclusive of providing protection to pipe all round / haunches as per specification. 230 mm dia	100.00	Rmt			

356	Providing, laying, jointing and testing in position the following glazed stone ware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) laid below ground level in trenches upto required depth including excavation in all kind of soil (hard / soft), dewatering, refilling, watering, ramming & removing the surplus excavated material and making good the same complete as required. Cost shall be inclusive of providing protection to pipe all round / haunches as per specification. 300 mm dia	50.00	Rmt			
357	Making connection to the ex.M.H.in running sewer incl. Dewatering and other required machinery etc. of following dia pipes at any convenient time. All damaged work shall be well repaired as per instructions. etc..complete. (SOR - (Jan. 2016) Rates for work of Drainage / SWD pipe line Drainage Work Item NO'S.19 Page 4) For Sewer / Storm water Connection (Up to 900 mm diameter) in RCC Chamber	5.00	Each			
358	Providing and installing RO plant of capacity 10000LPH which includes (1) raw water transfer pump with motor, HP : 5.5 HP, size : 2000 LPH @ 3.0 KG/cm ² (2) sand medis filter manual multiport valve, size : 42"x72" (3) activated carbon filter with manual multiport valve, size : 42"x72" (4) Special antiscalant solution preparation tank with dosing pump, HP : 0.5 HP (5) micron cartridge Filter with PP spun (6) high pressure pump, HP : 20 HP (7) RO membranes (8) RO pressure tube side port (9) RO skid (10) high pressure pump pipe line (11) CIP arrangement (12) Pre treatment piping (13) RO control panel Raw water storage tank and RO water storage tank to be constructed sepeartely, of required quantity. Electrical connection of 230 V preface , 50 HZ and inklet of panel to be provided by client.	2.00	Each			

359	<p>BOREWELL : Borewell of 400 mm diameter bore & sinking up to 300 mtr depth, Charges for electro logging for tube well, Charges for mud cutting & disposal by Tanker day to day from the site without staking at site, Charges for Cement sealing work if required, Providing, Laying. Testing & Commissioning of 200 mm dia NB MS ERW pipes having minimum 5mm thickness with square face & chaplas confirming to IS-4270 Size: 150mm dia, 150mm Johnson filtration make continuous slotted strainer pipe having minimum tensile strength 18mt collapsible strength: 3 KG/sq. cm in slot opening of 1mm slot opening, 150mm Johnson filtration make continuous slotted strainer pipe having minimum tensile strength 18mt collapsible strength : 3 KG/ sq. cm. in slot opening of 1.5mm slot opening, Cost of bail plug 150 mm dia x 5 mm minimum wall thickness x 5 mt. length with welded cone at the bottom with 55 mm length x 1.5 mm width 2900 NO'S" S Slot in 3 mt. length of bail plug at the bottom, 150 mm dia. Well cap as per requirement, Supplying, washing and shrouding with approved gravel, the annular gap between the casing pipe and the remaining annular space to be filled in with puddle clay (for which NO'S measurement will be taken and paid for),Washing and developing the tube well with the air compressor and furnishing yield test by continuous pumping with air compressor for minimum 4 hours till the availability of sand free clear water or as specified, Including cost of fuel and necessary equipment, Supplying, installing and connecting on site suitable approved make flat type cable for above submersible pump with P.V.C. clamps at every 1.5 m. distance etc. complete as per approved sample and as directed. Providing of 50mm dia UPVC heavy quality column pipe, as per IS 12818-2000 with all fittings, coupler & wire lock Supply of following size of TOP & BOTTOM accessories i.e. adaptor set (CI) long, pump guard set, starter pipe rubber ring for submersible pump & UPVC column pipe as directed by Engineer - in – charge with necessary plumbing as required, Providing & fixing of sluice valve as per tender specification. All product Make approved as per tender and EIC selection. Providing, & fixing Bore well submersible pump-motor set for bore of 100mm dia having suitablefor 10HP , 3 Phase, 415 V, 50 Hz. motor having following discharge capacity. The pump shall be operatedat 2900 RPM. The scope shall also include all required accessories viz. strainer, foot valve, level guard,delivery pressure guage, Standard double length flat submersible cable, float with control cable etc. as per specifications and data sheet Capacity: 120 to 125 LPM Head : 155 to 120m</p>	1.00	Each			
360	NP-2 RCC Pipe(300mm dia): Providing & laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(C) 300mm	1000.00	Rmt			
361	NP-2 RCC Pipe(450 mm dia): Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(E) 450mm	2000.00	Rmt			
362	NP-2 RCC Pipe(500mm dia): Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(E) 500mm	80.00	Rmt			
363	NP-2 RCC Pipe(600mm dia): Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(E) 600mm	50.00	Rmt			
364	Gully Chamber : Constructing Brick masonry road gully chamber 450mm x 450mm x 775mm with vertical gating complete.	100.00	Each			

365	<p>Inspection Chamber : Constructing brick masonry chamber for under ground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/Cm² in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23Kg.) and Wt. of frame 15 Kg.) (R.C.C. top slab with 1:2:4 mix (1-cement :2-coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc.complete.(ii) Inside dimensions 500mm x 700mm and 450mm deep for pipe line with one or two inlets.</p>	50.00	Each			
366	<p>Manhole with RCC Top Slab: Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1-cement :2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement :3- coarse sand: 6-Brick bats 40+50 mm size) inside plastering 15mm thick with Cement Mortar 1:3 (1-Cement :3-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1-Cement :2-Coarse sand :4-stone aggregate 20mm nominal size) finished smooth complete including curing and festing (i) Inside size 900mm x1200mm and 1.5M. deep including C.I.cover with frame size 560mm dia meter total weight of cover and frame to be not less than 128kgs. (Wt. of cover 64Kg. and Wt.of frame 64Kg.) (A) With 230mm thick walls of brick masonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1-Cement: 5-Coarse sand) (1) A type depth 0.90 Metre for 150mm diameter sewer</p>	15.00	Each			
367	<p>(I) Extra rate for constructing B.B.masonry for every additional depth of 0.1M. Or Part there of over item No .24.27(I) for depth from 0.9 M to 1.5M</p>	15.00	Each			
368	<p>PVC Pipe (160mm) : Providing, laying and jointing in true line and level 110 dia metre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110mm diameter x 149 mm length x 145 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials</p>	1825.80	Rmt			
369	<p>PVC Pipe (110mm) : Providing, laying and jointing in true line and level 160 dia metre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diameter x 210mm length x 196 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials</p>	387.00	Rmt			

370	Water Tank : Providing erecting and fixing Seven layer ISI water tank of required capacity each with all necessary fittings and connection etc. complete on terrace.	110000.00	Litre			
	Internal Road & Campus Development Work					
371	Tre-mix : Box cutting the road 300mm surface to proper slope and camber for making a base with Providing, laying, spreading and compacting Sand filling 100 mm thick including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tones to proper grade and camber, watering and compacting to the required density. below 150mm thick 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size)cement concrete and 200 MM Thick Ready Mixed M-350 grade concrete for reinforced cement concrete work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, including the cost of centering shuttering finishing and cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability with Concrete Road joint Cutting Groove & Joint Filling with chemical and adding Concrete Road Curing Compound @ 0.33 lit/smt as per direction of the Engineer - in - charge. Without Fly Ash including (10 Dia 200c/c) FE 500D reinforcement with bending, binding and placing in position complete.	2940.00	Smt			
372	Providing and fixing PUF Insulated continuous sandwich panels for roofs of total thickness not less than 30 mm made out from continue line method.Panel shall have 0.5 mm thick pre coated GI sheet on both side of Polyurethane foam with external face being corrugated in shape for GI and PU foam both material.The crest height of the panel shall be of 35mm minimum with 250mm c/c pitch. The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of 120 gsm as per IS:277 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron.The PPGI Sheet shall have protective guard film of minimum 25 microns to avoid scratches while transportation.The roof panels are laid over a frame work of trusses, columns and purlins fixed using 90mm self drilling bolt with rubber washer including all types of flashings. PU Foam must be self-extinguishing, fire retardant type having minimum density of 40 Kg/Cu.mt.(+,- 2 Kgs) including 0.25mm craft paper edging,self tapping screws of required length and nos.etc complete as per structural design and direction of Engineer-in-charge.	417.00	Smt			

373	MS work : Providing, fabricating, assembling, hoisting/ erecting and fixing in position at all heights/ all levels/ all floors/ all shapes & sizes with all leads & lifts using MS Rolled Steel Sections, Hollow sections, Tubular Sections, MS Plates, Chequered Plates, MS Pipes, Perforated Sheet, Flats, Bright Bars, Angles, MS Sheet, Girder, Beam, cattle trap. deep threaded MS bolts, threaded J bolts, insert plate, support plate etc as per drawing. all confirming to latest relevant IS codes for the work of steel structures like staircases, railings, handrail, jali, gates, grills, bracings, platforms, brackets, monkey ladder, cattle trap, windows, pipe rack, rungs, false ceiling frame work, Roof canopy, fencing posts, M.S. Screen & fencing jali frame work etc. including straightening, cutting, bending, bolting and welding the members all as per structural drawings and as per detailed specifications (for materials & workmanship) including necessary scaffolding/ staging, applying a priming coat of red lead paint And Epoxy coated section etc. complete in the situations described hereinafter and comprising of : 1) Profile Cutting of components to required length/ width and shape/ profile; 2) Smooth grinding/ machining of edges/ faces/ all welding joints;	12201.00	Kg			
374	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint, brushing, interior to give an even shade including cleaning the surface an even shade including cleaning the surface of all dirt, dust and other foreign matter.	417.00	Smt			
375	CONCRETE KERBING (half better): Providing and fixing pre-cast concrete kerbstone of gray cement based vacuumed wet press concrete block of precision finish, as per approved design and including excavation for fixing in proper line and level, filling the joint with C:M 1:3 (1 cement: 3 fine sand) etc complete. Selection as per the architect and EIC. (a) Vacuumed wet press or equivalent. Placement is as per drawing for the location, shape and design and pattern. Supply of K-HB 600*450*150MM with minimum average 2.5MPa bending strength at 28 days.	1105.00	Rmt			
376	CONCRETE KERBING (radius): Providing and fixing pre-cast concrete kerbstone of gray cement based Vacuumed wet press concrete block of precision finish of size range as per the selection from the range given to accommodate, as per approved design and including excavation for fixing in proper line and level, filling the joint with C:M 1:3 (1 cement: 3 fine sand) etc complete. Selection of thickness from the range given is as per the architect and EIC. Placement is as per drawing for the location, shape and design and pattern. Supply of K-HB RA 3, 4.5, 6 (EX) GREY or red or equivalent. 780*300*150MM	200.00	Each			
377	DRAIN CHANNEL WITH COVER : U shape Drain channel size - 300*300 mm with High-Performance Self-Compacting Concrete (SCC) of minimum strength / M-50 cube strength with drain testing for load capacity of Min 200 kN and Heavy duty Lid (Cover) For 300 mm similar Grade of concrete as above with Hole Design as per architect's selection and as per direction of Engineer-in-charge.	2360.00	Rmt			

378	Constructing Brickmasonry road gully chamber 500mmx 450mmx 600mm including 500mmx 450mm C.I. horizontal grating with frame complete.	125.00	Each			
379	Paver Block : Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed/ vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidelines of IRC : SP 63-2018 etc. Complete	420.00	Smt			
380	FLAG STONE FLOORING : Providing and laying flag stone flooring over 25-35mm thick base of cement mortar 1:5 (1-Cement : 5-coarse sand) including pointing with cement mortar 1:2 (1-cement : 2-stone dust) etc. complete. (a) Flagstone shot blasted & coated finish (Rev 02) or equivalent Size, design, laying pattern and colour as per architect selection. . (b) Finish : Premier shield protection (coated) (c) Size : 300*450*60MM/ 300*600*60MM/ 300*300*60MM in SBPS finish with minimum average 3.5MPa bending strength at 28 days.	475.00	Smt			
381	COBBLE STONE FLOORING : Providing and laying cobble stone flooring over 25-35mm thick base of cement mortar 1:5 (1-Cement : 5-coarse sand) including pointing with cement mortar 1:2 (1-cement : 2-stone dust) etc. complete Size, design, laying pattern and colour as per architect selection. (a) Cobble square 60mm shot blasted & coated finish (Rev 02) or equivalent. (b) Finish : Premier shield protection (coated) (c) Size : Supply of COBBLE or equivalent 60MM in SBPS finish with minimum average 200 KG/cm ² compressive strength at 28 days.	380.00	Smt			
382	GRANITE STONE FLOORING (Canvas finish) : Providing and laying rough stone flooring over 75mm thick or Require for leveling base of cement mortar 1:3 (1-Cement : 3-coarse sand) laid and jointed with grey cement slurry including cutting, dressing, leveling, jointing, pointing, curing, finishing, rubbing and polishing complete including Labor Charges Quarter round edge for granite. (a) Indian granite stone, as per selection (b) thickness: 18mm, (c) Finish:Lepatora (d) The rate of the stone should NO'St be less than Rs. 125/sq.ft. Size, design, laying pattern and colour as per architect selection.	90.00	Smt			

383	<p>GRANITE STONE FLOORING (Mirror Finish) : Providing and laying rough stone flooring over 75mm thick or Require for leveling base of cement mortar 1:3 (1-Cement : 3-coarse sand) laid and jointed with grey cement slurry including cutting, dressing, leveling, jointing, pointing, curing, finishing, rubbing and polishing complete including Labor Charges Quarter round edge for granite Size, design, laying pattern and colour as per architect selection..</p> <p>(a) Indian granite stone, as per selection</p> <p>(b) thickness:18mm,</p> <p>(c) Finish:Mirror polish</p> <p>(d) The rate of the stone should NO'St be less than Rs. 125/sq.ft.</p>	60.00	Smt			
384	<p>GRANITE STONE FLOORING (leather,river) : Providing and laying rough stone flooring over 75mm thick or Require for leveling base of cement mortar 1:3 (1-Cement : 4-coarse sand) laid and jointed with grey cement slurry including cutting, dressing, leveling, jointing, pointing, curing, finishing, rubbing and polishing complete including Labor Charges Quarter round edge for granite.</p> <p>(a) Indian granite stone, as per selection</p> <p>(b) thickness:18mm,</p> <p>(c) Finish:leather, river or mirror as per selection</p> <p>(d) The rate of the stone should NO'St be less than Rs. 125/sq.ft. Size, design, laying pattern and colour as per architect selection.</p>	90.00	Smt			
385	<p>EXPOSE BENCH : Fabrication and manufacturing of solid precast concrete bench or other elements with provisions of shear keys, connecting loops, dowel tubes and proper lifting accessories for bench or other elements, of various thickness, shape and size of different concrete grades manufactured in controlled factory environment with approved methodology including moulds (Pallet system, Tilts form, table moulds, battery moulds, vertical moulds, beam moulds, column moulds, staircase moulds, Facade mould, etc.), mixing, transporting and placing of concrete, vibrating, curing, finishing, making necessary cutout/ holes of required sizes for services, yard handling & stacking all complete as per IS 11447:1985 and as per approved shop drawings and design mix as per the direction of Engineer-in-Charge (Cost of reinforcement, Mechanical, Electrical and Plumbing inserts will be paid separately). Concrete grade M-35 (Cement content 370 KGs) size of bench should be consider 1800x500x450mm.Design of the Bench as per the drawing.</p>	20.00	Each			

386	<p>ENTRY SIGNAGE : Providing and fixing of Stainless Steel letters (Grade 304), as per approved architectural drawings and Engineer-in-Charge's directions. The work includes:</p> <p>a. Material: Fabricated letters from SS Grade 304 sheet, thickness:1.5 mm, with a brushed/polished/golden PVD coated finish.</p> <p>b. Fabrication: Letters to be 150 mm minimum height for main text, with raising/depth:25 mm.</p> <p>c. Fixing: Securely fixed to the existing surface using concealed stainless steel studs and a suitable sealant/epoxy adhesive, ensuring no fixings are visible from the front.</p> <p>d. Inclusions: All necessary shop drawings, cutting, bending, transportation to site, installation, testing.</p>	65.00	Each			
387	<p>MAP SIGNAGE : with pole - SS Plate Size : 2' x 3' or equivalent - Grade 304, Brush Finish, 2mm Thickness with Smoothen Corner edges, Acid etching with duco colour, Logo cutting in waterjet CNC machine, Supported at 45 degree Pole 2' long Double pole, 50mm square MS pipe with Zinc coating & Paint, 1.5' deep Foundation with concrete work & Transportation.</p>	2.00	Each			
388	<p>SCULPTURE & FOUNTAIN & DECORATIVE ITEMS : Indian natural stone sculpture in abstract form, made of Indian sandstone, marble or granite using various tool and tackle to give aesthetically appealing surface textures, polishing, form and effects as per design and specifications given by the architect or EIC. The item to include all materials, workmanship, transportation & handling, lifting and placing on site along with any anchorage, supports as required.(Out to out volumetric dimensions to be considered)</p>	15.00	Cum			
389	<p>BAMBOO PANELING : Manufacturing, supply , arrangement and keeping in good condition until project completion of Bamboo strips panelled ceiling as required to be fitted with the help of MS framing at all heights/all levels in Fancing work with Borex treatment on bamboo & PU polish at regular intervals for Look . Make as per design and drawing with necessary arrangement like fix on MS frame 45*45*3mm Angle similar etc. with the help of fixtures such as bonding agents such as fevicol, screws and framing with of any diameter, fixing with the help of gripper or relavant technique etc. complete of design provided by the architect and should be installed as per the directions provided by the engineer-in-charge.</p>	225.00	Smt			
390	<p>GRASS PAVER : Providing and laying precast concrete grass pavers of specified dimensions 600mm x 400mm x 75mm, with open grid design to allow for grass growth, including leveling, joint filling with suitable material, and compaction, complete as per manufacturer's specifications and as directed by the Engineer</p> <p>(a) Ecological paver_grid paver</p> <p>(b) Finish : Shotblasted with premiershild protection (coated)</p> <p>(c) HB Internal (Radius 3,6,10 mtr) 780x255x125mm</p>	70.00	Smt			

391	Road marking with hot applied thermoplastic paints with reflectorising glass beads on bitumin surface providing and laying a hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250gms per sqm area, thickness of 2.5mm is excluding of surface applied glass beds as per IRC:35-2015. The finished surface to be level, uniform and free from streaks and holes. zebra patta /bump patta lane/center line/ edge line/cut patta. The white color marking should provide liminance coefficinet on cemend road shall be min 130 mcd/m2/lux and Asphalt road shall be min 100 mcd/m2/lux during the service life during the day time. The marking should meet the performance criteria for night time reflectivity, wet reflectivity and skid resistance as mentioned in the section-15 of IRC 35-2015. Warranty for the Retro reflectivity should be two years.	442.00	Smt			
392	Cat Eye / Road Stud / RPM: Supplying Raised Pavement Markers made of polycarbonate and ABS moulded body and reflective panels with Micro prismatic lens (No Glass bead lens) capable of providing total internal reflection of the light entering the lens face and shall support a load of 13635 kgs. tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 D DO III Dt 11.06. 1997. The height, width and length shall not exceed 20 mm, 130 mm and 130 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 +/- 5 degree. The body of the marker should having finger grip for easy and accurate placement and application with epoxy / bituminous Adhesive as recommended by the manufacturer of the marker. The color of the marker should be as per the IRC 35- 2015 and as directed by Engineer-in-charge.	331.00	Each			
393	Kerbstone : Providing and fixing pre-cast concrete kerbstone of gray cement based concrete block 30cm length, 30cm height and 15cm thick of M250 grade concrete as per approved design and including excavation for fixing in proper line and level, filling the joint with C:M 1:3 (1cement: 3fine sand) etc complete	200.00	Rmt			
Rain Water Harvesting Work						

394	<p>Percolation Well -Boring dia.450mm and Sinking -100 rmt depth 20 cm. Diameter PVC pipe. Percolation well with casing pipes as per specifications with any approved system like Auger, Derrick etc. including installation of other equipments such as Pumps, Water Tanks, etc. complete and thereafter withdrawal and removal of the system etc. complete and clearing the site on completion.,</p> <p>(1.)Providing and Constructing of 25000 liter Collection tank of 3.0 dia with 3.0 meter liquid depth including excavation, 100 mm thick PCC in 1:4:8 at bottom of brick foundation, 350 mm thick brick masonry up to 3.0 meter and 450 mm thick brick masonry from 3.01 meter to PCC top in 1:6 cement mortar, 15 mm thick cement finish plaster on inside & outside surface of the walls in 1:4 cement mortar, 125 mm thick RCC slab in 1:2:4 with 2 nos of 600 mm x 600 mm manhole cover with frame at the top of collection pit, filling of 600 mm thick over burnt brickbats at the bottom of well, 150 mm wide CI rungs in walls at 600 mm c/c distance, providing of 150 mm diameter PVC sleeves in between collection tank and filtration tank and back filling of trenches with proper compaction etc. as per detail given by the engineer in charge.(Civil works to be done by civil contractor as per the structural and plumbing drawings) .</p> <p>(2)Providing and Constructing of 20000 liter Filtration channel of 750 mm wide and 2 meter deep around the 3.0 m dia. collection tank including excavation, 100 mm thick PCC in 1:4:8 at bottom, 350 mm thick brick masonry in 1:6 cement mortar, 15 mm thick cement finish plaster on inside & outside surface of the walls in 1:4 cement mortar, filling of 300 mm thick 20 to 40 mm size and 300 mm thick 10 to 20 mm size gravels, providing and fabrication of MS grills on top of filtration channel and back filling of trenches with proper compaction etc. as per detail given by the engineer in charge. Supplying, lowering, fitting, fixing and joining with Strainer, 15 cm. diameter M.S. Pipe of minimum 5.40 mm wall thickness (DIAMETER – ERW or equivalent make) with sockets, specials complete with cutting, threading and red lead paint, etc. complete up to the required depth.</p> <p>(3)Supplying, lowering, fitting, fixing and joining with 40 rmt Strainer, 20 cm. diameter PVC Pipe CM class of minimum 10 mm wall thickness with sockets, specials complete with cutting, threading etc. complete up to the required depth.</p> <p>(4)Supplying, fitting, fixing and lowering 20 cm. diameter strainer pipes 20 rmt having slot size 1.5 mm x 57 mm (72 slots in one line) in the casing pipe to the required depth as per direction of the employer.</p> <p>(5)Supplying, fitting, fixing and lowering 2 no. 30 cm. diameter strainer pipe 1.2 m long having slot size 1.5 mm x 57 mm (72 slots in one line) in the casing pipe to the required depth as per direction of the employer.</p> <p>(6)Providing and lowering 1 set 20 cm size PVC (3 m long) bail plug to the bore hole.</p> <p>(7)Supplying, washing and shrouding with as per required quantity and grade of gravel, the annular gap between the casing pipe and the remaining annular space to be filled in with puddle clay .</p> <p>(8)Hire and labour charges for necessary tools and plants for conducting proper tests for percolation water, lowering strainers to the required depth, uncovering the strainer by withdrawing the casing pipe, pumping water by suitable means withdrawing the strainers, lowering casing pipes to the required depth all complete as per direction and satisfaction of the employer.</p>	2.00	Each			
Kitchen Equipments Work						
	Providing, supplying and installation of Kitchen equipment of SS 304 and make it functional while comissioning for all mentioned equippmnts, with respect to all general arrangement drawings and associated support system for its placement and connection system of LPG or PNG gas supply system to ensure the leak proof and hazard proof connection with their instructions and manuals. Any change in size or location as per the requirements are to be done, as per instructions of architect and Engineer incharge.(PNG/ LPG supply is in the clients scope)					
395	SS STORAGE RACK 4 TIER of Size (1050x450x1500)	7.00	Each			
396	SS STORAGE RACK 4 TIER of Size (1650x450x1500)	1.00	Each			
397	SS STORAGE RACK 4 TIER of Size (900x450x1500)	6.00	Each			
398	POT STOVE of Size (600x600x450)	2.00	Each			
399	WORK TABLE WITH 2 U/S (500x900x850)	3.00	Each			
400	WORK TABLE WITH FRYER (500x900x850)	1.00	Each			
401	WORK TABLE WITH 2 U/S (600x900x850)	2.00	Each			
402	THREE BURNER RANGE(1650x700x850)	1.00	Each			
403	WORK TABLE WITH SINK(600x900x850)	4.00	Each			
404	SS SQUARE TANDOOR(900x900x850)	2.00	Each			

405	WORK TABLE WITH 2 U/S (450x900x850)	2.00	Each			
406	WORK TABLE WITH 2 U/S (1550x450x850)	9.00	Each			
407	PICK UP TABLE WITH 2 U/S WITH 2 OHS (1200x800x850)	1.00	Each			
408	PICK UP TABLE WITH 2 U/S WITH 2 OHS (1000x800x850)	1.00	Each			
409	PICK UP TABLE WITH 2 U/S WITH 2 OHS (600x800x850)	1.00	Each			
410	PICK UP TABLE WITH 2 U/S WITH 2 OHS (900x800x850)	2.00	Each			
411	PICK UP TABLE WITH 2 U/S WITH 2 OHS (650x800x850)	1.00	Each			
412	WORK TABLE WITH 2 U/S (1050x650x850)	1.00	Each			
413	WORK TABLE WITH 2 U/S (650x900x850)	1.00	Each			
414	FOUR BURNER RANGE (900x900x850)	1.00	Each			
415	THREE CHINESE BURNER RANGE (1800x900x850)	1.00	Each			
416	DOSA PLATE (600x900x850)	1.00	Each			
417	TWO BURNER RANGE (600x900x850)	1.00	Each			
418	SINGLE SINK UNIT (800 X 800 X 850)	1.00	Each			
419	CLEAN DISH TABLE (800 X 800 X 850)	1.00	Each			
420	POT RACK 4 TIER (1050 X 600 X 1500)	1.00	Each			
421	SS EXHAUST HOOD WITH BUFFLE FILTER (600 X 750 X 500)	2.00	Each			
422	SS EXHAUST HOOD WITH BUFFLE FILTER (1650 X 850 X 500)	1.00	Each			
423	SS EXHAUST HOOD WITH BUFFLE FILTER (900 X 1050 X 500)	4.00	Each			
424	SS EXHAUST HOOD WITH BUFFLE FILTER (1800 X 1050 X 500)	1.00	Each			
425	SS EXHAUST HOOD WITH BUFFLE FILTER (600 X 1050 X 500)	1.00	Each			
426	SS EXHAUST HOOD WITH BUFFLE FILTER (850 X 950 X 500)	1.00	Each			
427	Electric combo Oven	1.00	Each			
428	100 KG Stainless Steel Grain Storage Big Containers	5.00	Each			
429	50 KG Stainless Steel Grain Storage Big Containers	5.00	Each			
430	25 KG Stainless Steel Grain Storage Big Containers	5.00	Each			
431	<p>Providing and Erecting Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed.</p> <p>(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat. III</p>	1723.00	Pts.			

432	<p>Point wiring for Tissino / Modular secondary light point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires, in below type of pipe to be erected complete with earth continuity and necessary connection with primary light with accessories erected on Metal / PVC / wooden box covered with 3 mm thick PC(Polycarbonate) / Acrylic sheet for open / concealed wiring. with necessary Lamp holder / ceiling rose / H.D.Connector as directed.</p> <p>Note:- Maximum up to 6 mtrs length, excess will be considered as Mains for Secondary Point. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat. III</p>	766.00	Pts.			
433	<p>Providing and Erecting Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat. III</p>	294.00	Pts.			
434	<p>Providing and Erecting Point wiring for on board Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling with following type accessories Cat. III</p>	504.00	Pts.			
435	<p>Providing and Erecting Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of .ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires erected in below type of pipe with 6A Modular type switches and following type of accessories erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D.Connector as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat. III</p>	218.00	Pts.			
436	<p>Providing and Erecting Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.</p>					
	(1)One No. SP 6 Amp. Cat.III	518.00	Ea.			
	(2) One No 5 pin plug Cat.III	518.00	Ea.			
	(3) Two Pin/RJ-11 Telephone Socket [A] For One Gang Cat.III	88.00	Ea.			
	(8) Computer RJ-45 socket	177.00	Ea.			
	(9) 16 Amp. SP one way switch	141.00	Ea.			

	(10) 6/16Amp. Universal socket Cat.III	141.00	Ea.			
	(19) Modular Indicating Call Bell Cat.III	102.00	Ea.			
437	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (b) 25 mm	7950.00	Mtr.			
438	Supplying and laying UPVC cable trunking system comprising unplasticised polyvinyl, chloride rigid material with ignition free and flame proof confirming BS with necessary end caps Internal and external bend, flat bends, coupler, tee etc..All necessary accessories and measuring of following sizes (2) 100 mm x 50 mm trunking	380.00	Mtr.			
439	Supplying under floor pregalvanised corrosion proof rectangular sheet steel cable trunking of 1.6 mm thick having with stand point load up to 1.33 Ton & free from seepage of concrete of screed water with all accessories,Junction Box,Joints as required and demanded by engineer-incharge and laying/erecting as per OEM guidelines and as per instruction of engineer incharge having following size of dimensions and No of compartments (W x D x T) cat-III [6] 300mm x 25mm x 1.6 mm with Three Compartments with necessary junction jox	140.00	Mtr.			
440	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (A) with medium class Rigid PVC pipe and accessories					
	(a) 2 wire 1.5 sq. mm	800.00	Mtr.			
	(b) 2 wire 2.5 sq. mm	6955.00	Mtr.			
441	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (A) with medium class Rigid PVC pipe and accessories					
	(a) 2 wire 4 sq. mm	2370.00	Mtr.			
	(i) 4 wire 10 sq. mm (use earth wire of 4 sq.mm)	1850.00	Mtr.			
442	providing and erecting Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required.					
	(f) One wire 10.00 sq. mm	404.00	Mtr.			
	(G) One wire 16.00 sq. mm	380.00	Mtr.			
	(h) One wire 25.00 sq. mm	1326.00	Mtr.			
	(l) One wire 95.00 sq. mm	80.00	Mtr.			

443	Supplying & erecting approved make Telephone Cable electrolytic copper conductor PE insulation twisted in two pairs, & wrapped with FRLS PVC tape & sheathed with FRLS PVC or HFFR outer Jacket suitable for telephone wiring & confirming to C-DOT erected in existing pipe. of following size of conductors & nos.of pairs. With necessary connections. [A] Conductor Size 0.5 mm (a) Unarmoured					
	2) Two Pairs	2640.00	Mtr.			
	(b) Armoured [Jelly Filled] (2) Twenty Pairs	300.00	Mtr.			
444	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction					
	[D] CAT - 6 e/6a	7950.00	Mtr.			
445	Providing & erecting main Distribution (MDF) indoor type, back mounted frame as per DoT standard approved with krone strips (b) Suitable for 20 pair	20.00	Ea.			
446	Providing & Erecting 6 core fibre optic SM 9/125um double sheath, CSTA, Unitube, Outdoor cable (per m)	250.00	Mtr.			
447	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate,modules erected with necessary connections as directed 1 no. 6A/16A universal plug-switch combined. 3 nos. 6A Switch 3 nos. 6A 5 pin Plug					
	For Modular Type Accessories	29.00	Ea.			
448	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15%, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)(A) Tube Light with integral driver					
	(v) 36-40 Watts, Surge-2 KV, IP-20, conventional 4 feet Cat-III	83.00	Ea.			
449	Supplying and erecting led lamps with following wattage capacity of 220 to 240 voltage, minimum 15000 burning hours life, 500 V in built-surge protection,Polycarbonate diffuser, mounting suitable for E14 / E27 / B22 lamp holders, pf >= 0.5 (A) LED Lamps integral type, with PC diffuser suitable LAMP holder					
	(ii) 5 to 8 watts Cat-III	20.00	Ea.			

450	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15 %, CCT 3000 K to 6500K, Luminaire efficacy > 85 lumens/watt, LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings. The Engineer incharge may select any wattage capacity between the ranges shown.)					
	(A) Square/ Circular shaped Surface/Recessed Mount Downlight/PANEL LIGHT with provision for spring loaded mounting clips complete.IP20					
	(iii) 16-20 watts, Surge-2 KV Cat-III	249.00	Ea.			
	(iv) 22-24 watts, Surge-2 KV Cat-III	819.00	Ea.			
	(G) Step Light having Aluminium die cast and ABS Plastic material.					
	(i) 5 watts, Direct/Indirect luminaire Cat-III	84.00	Ea.			
	(H) Mirror Light 9 Watts, wall mounted minimum 1 feet long	155.00	Ea.			
	(I) Adjustable spot light with COB led having aluminium reflector of following wattage					
	(ii) 12 Watts Cat-III	780.00	Ea.			
451	providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 25 KA. at 415 V, having normal current rating up to 25 A to 100A. with Fixed thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections & complete erected in existing 16 G.M.S. housing. with Extended operating rotary handle					
	ICS=100% of ICU only Cat III	125.00	Ea.			
452	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. and above at 415 V . having normal current rating 250A. with variable thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing.					
	ICS=100% of ICU only Cat III (with Extended operating rotary handle)	44.00	Ea.			
453	providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 50 KA and above at 415 V having Normal current rating 400A. with variable Thermal & magnetic release suitable to work on A.C. supply 50 c/s. With all internal connections & complete erected in existing 16 G.M.S. housing. with Extended operating rotary handle					
	ICS=100% of ICU only Cat III (with Extended operating rotary handle)	4.00	Ea.			

454	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 50 K.A. and above at 415 V having normal current rating up to 630A. with variable thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing					
	ICS=100% of ICU only Cat III (with Extended operating rotary handle)	7.00	Ea.			
455	Approved make standard Draw out type 4 Pole Air circuit breaker. Having 50 kA breaking capacity with ICU=ICS=ICW (1 sec)Vsr=690 v, Ui=1kv ,impulse voltage=12 kv with following type of relay and accessories. (1) Manual Draw out type (MDO) with following type of relay system (B) with microprocessor Release with over load, short circuit, earth fault protection and metering display in modular design with LED display and Test Trip button facility, CTs and auxiliary contacts, of following current ratings.					
	(ii) 1000Amp 50 kA Cat III	6.00	Ea.			
	(v) 2000 Amp 50kA Cat III	3.00	Ea.			
456	providing and erecting Approved make Earth fault Relay suitable to mount with inter connection suitable to following size of moulded case circuit breaker having CT ratio & MCCB rating as following along with shunt trip 220V AC. with all internal connections & complete erected in existing M.S.housing..					
	(2) 125 A -200 A , CT Ratio 1/200	23.00	Ea.			
	(3) 250 A -400 A , CT Ratio 1/400	18.00	Ea.			
457	Supplying & erecting approved make Four Pole 415V change over switch interior for panel mounting with operating mechanism A.C.23 duty confirming to IS for					
	(B) 63 A Cat III	1.00	Ea.			
458	Supplying and erecting triple pole & neutral 440V / 500V panel mounting Copper Busbars with four equal Nos. of electrolyte bus having current density not more than 1.6 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports /insulators, main cable socket to each bar, erected in existing cubical panel with necessary connections.					
	(B) Suitable for 200 Amp. capacity	12.00	RN.MTR			
	(C) Suitable for 300 Amp. capacity	47.00	RN.MTR			
	(E) Suitable for 630 Amp. capacity	24.00	RN.MTR			
	(F) Suitable for 800 Amp. capacity	30.00	RN.MTR			
	(G) Suitable for 1200 Amp. Capacity	24.00	RN.MTR			
459	Providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	1776.00	Ea.			
460	Providing & erecting 240 V MCB double pole switch for lighting Load (B Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity (A) 6 to 32 Amp. Cat.III	222.00	Ea.			
	(B) 40 Amp. Cat.III	49.00	Ea.			

461	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity					
	(c)63 Amp. Cat.III	179.00	Ea.			
462	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for					
	(B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI) (b) sheet steel double door (iv)12 way	74.00	Ea.			
463	Supplying & erecting Sheet Steel powder coated Cable end termination Box to be mounted on Top or Bottom of the MCB Distribution Box for housing/covering Extra wires & Cables, suitable for following size of MCB DB Box. (H) Three Phase 12 Way	74.00	Ea.			
464	providing and erecting Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed (i) 25 Amps.DP Cat. III	222.00	Ea.			
465	Providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on 3 phase and neutral 415V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component for following Max. rating erected as directed.					
	(iv) 100 Amps. FP (100 mA Sensitivity)	5.00	Ea.			
466	Providing and erecting metallic vitrified danger notice board as per language suggested by engineer incharge for MEDIUM VOLTAGE installation to be erected as per IS-2551.	25.00	Ea.			
467	Providing and erecting required size Copper strip for earthing of H.T. OCB / ACB/ Transformer, LT panel board, Motors etc. using copper clamp.	30.00	KG			
468	Providing and erecting Annealed bare Copper wire 8 to 16 SWG.	50.00	KG			
469	Providing and erecting HOT deep Galvanised iron strip wire 8 to 16 SWG.	50.00	KG			
470	Providing and erecting Pipe type earthing having 150 cms.long and 2.5 cms. dia. galvanised iron pipe with coupling and buch buried in specially prepared earth pit complete with necessary 8 SWG earth wire.	20.00	Ea.			
471	For using salt and charcoal / coke as required for pipe type earthing.	40.00	Ea.			

472	<p>Supplying & erecting earth pit of minimum bore dia.150mm size approved make Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 50mm having 80-200 Micron galvanising, Inner pipe dia of 25 mm having 200-250 Micron galvanising, connection terminal dia of 12mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover.(approved make OEM has to submit test certificate) & having back filling compound of (B) Inner chemical (CCM Compound)- Resistivity:- 0.2 Ω/ meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphar content:- <2%(C) Back fill Compound :- Earthing compound should be capable to retain moisture for long time Necessary test report must be submitted.</p> <p>(a) For Electrical Installation up to 440V in normal soil</p> <p>Length of pipe - 1 Mtr</p> <p>Back filling compound - 1 Nos Bag of 15 Kg.</p>	14.00	Ea.			
473	<p>Supplying & erecting in earthpit of minimum bore dia. 225mm size approved make Safe Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 80 mm having 80-200 Micron galvanising, Inner pipe dia of 40 mm having 200-250 Micron galvanising, connection terminal dia of 14 mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover (A)(approved make OEM has to submit test certificate including value of earth resistance of installation duly stamped and signed by agency and officer Incharge has to ensure the value of earthing resistane mentioned in test Certificate) & having back filling compound of (B) Inner chemical (CCM Compound)- Resistivity:- 0.2 ohm / meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphar content:- <2%(C) Back fill Compound :- Earthing compound should be capable to retain moisture for long time Necessary test report must be submitted by Agency.</p>					
	<p>[C] For Electrical Installation covering Transformer Neutrals, Lightning arrester Earthing, A.C.Plant & Sensitive Computer System(like Automation, SCADA)i.e. independent Earthing located in other than normal soil i.e. Soft Rock, Marshy Soil etc..-Length of Pipe : 3 Mtrs. -Back filling Compound :2 nos Bags of 25 Kg.</p>	8.00	Ea.			

474	Supplying & erecting funnel type earthing having earth plate of following size burred in specifically prepared earth pit 3 mtr. below ground with 40 kg. charcoal and salt with alternate layers of charcoal & salt, 20mm.dia. G.I. pipe with Funnel with a wire mesh for watering & bricks masonry block, C.I. Cover complete as per para 7.3 of IS 3043 with necessary length of double Galvanised Iron / copper earth wire No 6 SWG bolted with lug to the plate and covered in 12 mm dia. G.I. pipe 2.5 mtr long complete connected to the nearest switch gear with end socket as per direction & duly tested by earth tester confirming to IS (As per drawing) with following specification					
	(C) with 60 x 60x 0.315 cms. Copper earth Plate	10.00	Ea.			
475	Providing & erecting weather proof, dust & vermin proof, floor mounted front operated outdoor type double door cubical panel board necessary IP-54 and above protection as per approval from engineer incharge made from 14 SWG thick CRC M.S. sheet for outer body & doors, 16 SWG thick CRC M.S.sheet for internal partitions with necessary accesories , supporting angles/ flats channel including cutting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-in-charge with erection of supplied switch gears, BUSBARS, suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses/MCB for measuring instruments, earth bus & earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket,heavy duty end terminal connection,danger notice board,necessary ventilation,earthing strip complete. The Panel shall be painted with epoxy powder coating. (The rates excludes the cost of switchgears, bus bars, inter connecting mains & Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size.					
	(C) The standard companies switch gear shall be used and only manufacturers as per IEC 61439 for beneficial use. (i) with 350mm depth	50.00	SQ.MTR			
	(C) The standard companies switch gear shall be used and only manufacturers as per IEC 61439 for beneficial use. (ii) with 550 mm. Depth	10.00	SQ.MTR			
	(C) The standard companies switch gear shall be used and only manufacturers as per IEC 61439 for beneficial use. (iv) with 1000 mm. depth	46.00	SQ.MTR			
476	Providing , erecting , fabricating the M.S. structure as per requirement on site incorporating proper size of M.S. angles,square,round, flats, bars, channels, sections complete with cutting, welding, grinding & finishing duly painted with one coat of red oxide with erection on site as per direction of engineer in charge with necessary grouting, cementing, plastering & finishing complete.	650.00	KG			

477	Providing and erecting multifunctional meter suitable for application of Power monitoring and showing measurement of following Voltage, Frequency, Apparent energy, Apparent power, Active and reactive energy, Active and reactive power, Average voltage Vavg, Peak demand power PM, QM, SM, Demand power P, Q, S, Apparent power S, S1, S2, S3, Unbalance current, Power factor and displacement PF (signed, four quadrant), Calculated neutral current, Active, reactive, apparent energy (signed, four quadrant), Active power P, P1, P2, P3, Voltage U21, U32, U13, V1, V2, V3, Phase currents, Average current lag, Peak demand currents, Reactive power Q, Q1, Q2, Q3, Demand current I1, I2, I3, [Us] rated supply voltage 40...300 V AC 45...65 Hz, 40...300 V DC, Network frequency 50 Hz, Type of network 3P, Display type 7 segments LED, Display colour Red, Messages display capacity 3 fields of 4 characters, Display digits 12 digit(s) - 14.2 mm in height	35.00	Ea.			
478	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables with necessary lugs and gland.					
	(F) 3 1/2 core 120 Sq. mm (70 Sq. mm 1/2 core)	540.00	Mtr.			
	(K) 3 1/2 core 400 Sq.mm (185 Sq. mm 1/2 core)	520.00	Mtr.			
479	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand / Solid Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables. (C) 4 core 6 Sq. mm	150.00	Mtr.			
480	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables.,with Necessary Cable Glands and Lugs.					
	(A) 4 core 10 Sq. mm	750.00	Mtr.			
	(B) 4 core 16 Sq. mm	800.00	Mtr.			
	(C) 4 core 25 Sq. mm	100.00	Mtr.			
481	Making trench in soft soil of suitable width of 90 cm deep for laying cable or locating the fault all over the run and back filling the same and making the surface as normal ground.	650.00	Mtr.			
482	Drilling the road without breaking the road surface (Asphalt) for laying of cable for feeding power supply by making up to following size of holes at both ends complete.					
	(A) Up to 100 mm bore dia	30.00	Mtr.			
	(B) Up to 150 mm bore dia	50.00	Mtr			
483	Providing & laying. R.C.C. Hume pipe for cable to be laid 90 cm. below ground across the road crossing or on floor with necessary material in an approved manner and making the ground as per original.(D) 250 mm dia	50.00	Mtr			

484	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II)with necessary connecting accessories of same material at required depth in existing trench for laying of cable. below ground / road surface for enclosing cable					
	(A)50 mm outer dia	200.00	Mtr.			
	(C)90 mm outer dia	180.00	Mtr.			
485	Supply, Installation and Commissioning of Manhole of Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 100 TO 116 kg (weight of cover 58 kg and weight of frame 48 TO 58 kg)	6.00	Each			
486	Supply, Installation, Testing and Commissioning of Covering of cable with second class bricks or cement tiles laid cover the cable crosswise & also on both sides with covering of 7.5 Cms. layer of sand above & below cable (16 bricks per meter) for Protection of HT/LT Cables	500.00	Mtr.			
487	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (B) 2 to 4 core 6 Sq. mm For Distribution Boards	100.00	Ea.			
	(C) 2 to 4 core 10 Sq. mm for VRV Outdoor Units	100.00	Ea.			
	(D) 2 to 4 core 16 Sq. mm for VRV Outdoor Units	100.00	Ea.			
488	Providing and, fixing heavy duty flange type brass double compression type cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (J) 3 & 1/2 core 400 Sq. mm	10.00	Ea.			
489	Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (I) 185 Sq.mm. (for Neutral of Cable)	50.00	Ea.			
	(L) 400 Sq.mm.	50.00	Ea.			
490	Solder less crimping type Copper lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (B) 10 Sq.mm	80.00	Ea.			
	(C) 16 Sq.mm.	70.00	Ea.			
491	Providing and fixing approved make Perforated C type cable tray. Made from pre-galvanized sheet steel. The cable tray should be bended as per IS 2062/1079 . with max 17.5% perforation with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer in charge..					
	(4) 200 X 50 X 1.5 mm Thick	100.00	RMT			
	(7) 600 X 50 X 1.5 mm Thick	200.00	RMT			

492	Supply, Installation, Testing and Commissioning of suitable sweep, BEE 5 Star rated, Ceiling fan with Brush Less Direct Current (BLDC) permanent ferrite magnet Motor, class of insulation: B, Rust free 3 nos. Aluminium blades, 2 nos. canopies, shackle kit with earthing provision, copper winding, Power factor not < 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM, 230v (tolerance as per IS : 374-2019), THD < 10%, compatible with electronic regulator unit for Speed Control and all remaining accessories including safety pin, nut bolts, washers, temperature rise = 75 degree C (Max.), suitable for 140 to 285 Voltage and rectifier circuit with surge, over current and overload protection, 50 Hz, Single phase AC Supply, earthing etc. Complete as required. [Make shall be approved by Engineer in Charge] (A) 1200 mm Sweep (48")	294.00	Ea.			
493	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with proper insulation without leakage and earthing.	294.00	Mtr.			
494	Supplying & erecting Fan Hook of 10 mm M.S. Round bar grouted in RCC slab with Making the site as original.	294.00	Ea.			
495	Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.	294.00	Ea.			
496	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	294.00	Ea.			
497	Supplying & erecting approved make low noise decorative exhaust fan having square frame ABS body with inbuilt lowers & square frame.					
	250mm with 1350 RPM Cat.II	96.00	Ea.			
498	Supplying and erecting approved make Bracket fan of 230 volt, A.C. 50 Cy/s., 400/450 mm sweep complete erected on wall or with lead Cores and connections complete. Cat.II	50.00	Ea.			
499	Supplying and erecting approved make oscillating type medium duty bracket fan with Aluminium Blades A.C. 230V. 50cy/s, with thermal overload protection wall mounted with height adjustment and rotary tilting device complete with guard, pull cord for speed and oscillation flexible Core plug top complete erected with lead wires as directed. (a) 450 mm	20.00	Ea.			
500	Supplying and erecting Flexible PVC insulated multi strand multi core 1.1 kv grade ISI marked copper wires of following size to be erected as directed.					
	e) 1.50 Sq.mm 3 core round PVC sheathed	600.00	Mtr.			

501	SITC of Digital / PCM / TDM EPABX System having SMT design, system with flexible universal slots. Inbuilt Auto attendant facility, Minimum 15 Nos. conference, Analog extension line, Calling GSM, E&M line, PRI / EI & VOIP program me through Analog telephone digital key from Ethernet, public address cord, shall have unrestricted simultaneous dialing facility, QSIG protocol on PRI, 95 / STD / ISD / Local-Locking, Class of Service, Quick Dial-Single Digit dialing of any two external number, Once only ring device, Boss/Secretary-Do not disturb Facility, Power Down Mode, Hot Line, Hot Outward Dialing, Day Night Mode, Auto Call Back, Barge-in, Call Pick Up & Call Transfer, Call transfer while Ringing with Voice Guide System, (DISA), Caller ID (CLI), CLI Base ECF, CLI Base routing Internet Ready Port, External Music Port, Call Budgeting, Call Most Calculation (ASMDR), DID Direct Inverse Dialing, External Music Input, Fax Homing, Global Directory Printing with following capacities					
	[E] No of Extension 128, No of Junctions 24, No of expandable ports : 512, Operators Console - 01 Compatible : ISDN and Networking	1.00	Ea.			
502	Supplying & erecting push button type telephone instrument having speaker phone Caller ID & hands free dialing system & 30 memories with display system Single line [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer]	88.00	Ea.			
503	Providing and erecting Inverter based approved make split air-conditioning unit consisting of condensing unit with variable speed fan motor, inverter type hermetically sealed rotary compressor with accessories etc. duly connected separately erected evaporating unit and blower motor with its accessories by means of extra supplied proper insulated copper tubing, drain PVC pipes suitable for (cost includes Eco Friendly green gas charging and 15A plug top & Remote Control & MS Stand) with necessary core cutting. (2)For ISEER Range (KWH/KWH)(4.0 to 4.49) (C) for 1.7 to 2 ton capacity-Premium Cat.	1.00	Each			
504	Supply Installation, Testing & Commissioning of modular type Variable Refrigerant Volume air cooled Outdoor units suitable for cooling and heating, having all hermetically sealed inverter type Scroll Compressor(s), microprocessor based Controller, top discharge type condensing unit(s), with R410 A Refrigerant (Or Eco Friendly Green Gas if any), vibration isolators, with suitable foundation, MS Stand for Unit with necessary paint etc. complete as required. The unit shall deliver the rated capacity at AHRI Conditions and work even at 50°C ambient temperature without tripping. The unit shall be suitable to work on 400V +/- 10%, 3 Phase, 50Hz AC power supply. The unit shall be filled with first charge of the refrigerant and ready for use as required. The COP at AHRI conditions shall not be less than 3.1 and IEER not less than 6.5. (Design should be got approval before execution from engineer in charge) Premium Cat.	569.16	Per Hp			
	INDOOR UNIT-CASSETTE TYPE					

505	Supply, installation, testing and commissioning of following minimum capacity one-way as per approval VRV Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX Copper coil, electronic expansion valve, outer cabinet, drain pump, grill, necessary supports, vibration isolation, cord less remote control etc., suitable for operation on single phase 230 V \pm 10%, 50Hz AC supply, max noise level 60dB @ 400 cfm per TR(minimum) complete, as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature fresh air provision compatible for Remote Operation System (E) 2 TR Premium Cat.	78.00	Ea.			
506	Supply, installation, testing and commissioning of following minimum capacity 4-way/2 way/radial flow as per approval VRV Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX Copper coil, electronic expansion valve, outer cabinet, drain pump, grill, necessary supports, vibration isolation, cord less remote control etc., suitable for operation on single phase 230 V \pm 10%, 50Hz AC supply, max noise level 60dB @ 400 cfm per TR(minimum) complete, as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature fresh air provision compatible for Remote Operation System					
	(J) 4 TR Premium Cat.	4.00	Each			
	INDOOR UNIT-DUCTABLE TYPE					
507	Supply, installation, testing and commissioning of following minimum capacity and external static pressure VRV ceiling mounted ductable type Indoor unit equipped with washable synthetic media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, corded remote control, outer cabinet, vibration isolators, drain pan, other necessary supports etc., suitable for operation on single phase AC supply 230 V \pm 10%, 50 Hz complete as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature.					
	(B) 2 TR Premium Cat.	115.00	Ea.			
	(G) 4 TR Premium Cat.	39.00	Ea.			

508	<p>Supply, Installation, testing and commissioning including vaccumiazation and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-0 tubular insulation/with Class-0 closed cell elastometric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc with necessary refrigerant joint as required :</p> <p>Note:</p> <p>1)The Copper Piping & Piping Circuit should be with Minimum Number of joints, which shall be attained by : (1) Using One End Expanded Tubes</p> <p>(2) Bending the tubes instead of using elbow joints wherever 90 degree bending is required.</p> <p>(3) Piping should be routed at site in such a manner, that brazed joints in the refrigeration piping are kept to a minimum.</p> <p>(4) The makes of tube fittings shall be same as that of tubes.</p> <p>(5) The thickness of fittings used shall be same as that of the pipe.</p>					
	6.4 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	1750.00	Mtr.			
	9.5 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	530.00	Mtr.			
	12.7 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	1650.00	Mtr.			
	15.86 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	450.00	Mtr.			
	19 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	350.00	Mtr.			
	22.2 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	350.00	Mtr.			
	28.58 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	350.00	Mtr.			
	38.1 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation	150.00	Mtr.			
	41.27 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation	200.00	Mtr.			
509	Rigid UPVC drain pipe of 10 Kg/cm2. rating with 9 mm thick.nitrile rubber insulation.					
	40 mm dia.	360.00	Rmt.			
	32 mm dia.	400.00	Rmt.			
	25 mm dia.	400.00	Rmt.			
510	Supply installation testing commissioning Shielded Shielded Control Cables for VRV System with necessary ISI mark Medium class rigid PVC pipes with necessary accessories with termination in machine and control equipments..					

	(A) 2C X 1.5 Sq mm Shielded Armoured	4000.00	Mtr.			
511	Central Control System					
	(A) Cord type remote control with thermostat, LED Display and internal wiring for Cassette, FCU & CSU	191.00	Ea.			
	(B) Central wired Remote Control System	569.16	Per HP			
512	Copper Refrigerant distribution joints Refnet distribution joint for 10 H.P. to 20 H.P.	250.00	Ea.			
513	<p>Treated Fresh Air Unit : Supply, Installation, Testing and commissioning of Treated Fresh Air Unit with factory built floor mounted double skin type horizontal/vertical air handling units made of Thermal breck Aluminium profile with thermal barrier panels consisting of pre coated G.I. casing of thickness 0.6mm outside layer and 0.6 mm plain G.I. inside layer with 43mm thick, CFC free RockWool (64 Kg./ M? Density) insulation "OR"" CFC free 48±2mm Mineral Wool (40±2 Kg./ M? Density)Insulation, factory injected between them by injection moulding machine, complete with direct driven plug type backward curve fan section with suitable for static pressure as required, Air-cooled cooling coil section (AHRI certified as per test standard ARI-410 & UL certified for safety) with aluminium finned copper tubes (tubes thickness not less than 0.5mm) cooling coil of 8 row deep, filter section with 50mm thick metal viscous/ washable synthetic type (non woven type) EU-4, 90% to 10 microns air prefilters, belt drive package with TEFC drive motor of effecinecy class IE1, IP 55 protected variable frequency drive (VFD"s) compatible induction motor, suitable for 415 ± 10% volts, 50Hz, 3 Phase AC supply suitably designed for applications, drain connections, stainless steel (18G) sand witched SS 304 drain pans, 24 Gauge G.I. as covering sheet duly injected with 25mm thick PUF insulation, necessary vibration isolation arrangement (Spring type) with manually operated SA Damper in AL construction. Fresh air The entire AHU assembly will be mounted on a common skid fabricated out of Hot Deep Galvanized MS channel of required size.</p>	18.00	Ea.			
	<p>Fresh air intake section (Minimum 600mm) with manually operated FA Damper in AL constructions. All nut bolts, sheet metal screws, fasteners will be Zinc / Nickel plated having resistance against rusting etc. complete as per specification and of following capacities. Price shall be complete with Electrical Starter Panel supplied with matching rating for SA Fan motor, required DC Supply for control Valve, including short circuit / overload MCB protection, Motor Status On / Off / Trip, Automanual Status, Temperature Indicator availability on Panel with BAS compatiibility; Starter panel shall be minimum 14G MS powder coated with ventilation fan and duly internally wired and tested. Followings are capacities. 2500 CFM / 17 TR with 65mm Static Pressure.</p>					

514	<p>DX OUT DOOR UNIT</p> <p>Supply installation testing and commissioning of DX type Outdoor unit as per below mentioned capacity.</p> <p>The outdoor (condensing unit) shall be of Corrosion resistant Galvanized powder coated or equivalent Sheet steel low vibration assembly installed on suitable vibration isolators and comprising of energy efficient Scroll compressor with controls such as thermal protector, HP/LP cutouts, Pressure relief valve; the outdoor unit shall also comprise of finned tube air cooled condenser and condenser fan unit; the units shall have integral refrigerant copper piping within compressor and condenser and accessories such as refrigerant shutoff valves at compressor / compressors and liquid refrigerant outlet if required & filter dryer; Cooling fans shall have protective metal frame.</p> <p>8.5 TR DX ODU</p>	36.00	Nos			
515	Supply, installation, balancing and commissioning of factory fabricated GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required.					
	(A) Thickness 0.63 mm sheet (22 Gauge)	600.00	Sq.Mtr.			
	(B) Thickness 0.80 mm sheet (20 Gauge)	400.00	Sq.Mtr.			
516	Supply, installation, testing and commissioning of GI volume control duct damper complete with neoprene rubber gaskets, nuts, bolts, screws linkages, flanges etc, as per specifications.	20.00	Sq.Mtr.			
517	Supplying & fixing of powder coated extruded aluminium Supply Air Grills with aluminium volume control dampers complete as per specifications and size & shape as per site requirement and approved design.	20.00	Sq.Mtr.			
518	Supplying and fixing of following thickness duly laminated aluminum foil of mat finish closed cell Nitrile rubber (Class "O") insulation on existing duct after applying suitable adhesive for Nitrile rubber. The joints shall be sealed with 50 mm wide and 3 mm thick self adhesive nitrile rubber tape insulation complete as per specifications and as required.					
	(A) 19mm	1000.00	Sq.Mtr.			
519	Carry out RCC Core cutting- up to 100 mm dia./300mm thick Wall/beam/slab with providing PVC pipe of 3 mm thick inside and necessary finishing on both ends of wall .	250.00	Job			

520	Providing & Erecting full SS Body (SS 304) Split type water cooler having storage capacity 160 to 175 Ltr.(Tank SS 304) & Cooling capacity 150 ltr. Per hour @ an ambient temp of 350 C.The outlet temp. of the water should drop by 150C within a hour,The water cooler should be comprising of hermetically sealed Reciprocating compressor with R134A, fan motor, Copper Condensing unit,water tank surrounded by evaporating coil, thermostats, relay etc.complete with necessary copper tube & Insulation, M.S Chancel Stand with Painting for water tank & M.S. Powder Coated Stand for Outdoor unit with Installation. With DPELCB and 4 Way DB Box with accessory Three core Cord for connection.	4.00	Ea.			
521	Supplying & erecting reverse osmosis (RO) water purification system with M.S. powder coated pedestal frame, prefilter housing carbon filter suitable buster DC pump, auto low & high pressure switches with following size of LPH capacity & erected as directed					
	[D] 100 LPH with 1 phase / 3 phase Raw water pump of 500LPH @ 2.5kg/cm ² - (1No - Kirloskar /CRI/Lubi), Dual media filter 10"x54" - (1 No), Micron cartridge filter 20" x 2.5" (1No), High pressure pump 500LPH @ 10kg/cm ² - (1No - Shimge /CRI /Lubi), RO Membrane housing with RO membrane of 40*40 - (1No), RO pressure tube 4" x 1E - (1No), 0 - 1200LPH Rotameter -(2 Nos), with Recovery Rate 50%.	2.00	Ea.			
	[F] 500 LPH with 3 phase Raw water pump of 1000LPH @ 3.0 kg/cm ² (1No - Kirloskar /CRI /Lubi), Dual media filter 13"x54" - (1No), Micron cartridge filter 20" x 4.0"-1No, High pressure pump 1000LPH @ 11kg/cm ² - (1No - lubi/ Shimge/ CRI), RO Membrane housing with RO membrane of 40*40 - (2 Nos), RO pressure tube 4" x 2E -(1No), 0-2400 LPH Rotameter (2Nos), , Dosing pump 0 -6 LPH - (1 No),. with 100 Ltr Dosing tank - (1 No), with Recovery Rate 50%.	2.00	Ea.			
522	Supplying approved make domestic refrigerator of 200 Ltr to 250 Ltr storage capacity, single phase minimum 3 star rating.	45.00	Ea.			
523	Supplying frost free domestic type double door approved make refrigerator having minimum 3 star rating with 285 Ltr to 330 Ltr storage capacity operating on single phase power supply.	2.00	Ea.			
524	Providing & Erecting Deep Freezers effective and economical Solutions for safe storage of perishable foods.The range of hard - top deep freezers Technical Specification Gross Capacity 400 ltr., Temp. Range -18°C to -22°C, Power Supply 230Volts, Single phase, 50Hz,Refrigerant R134A, No of lids 2,Inner Cabinet Pre-painted GP Steel, Puf Thickness 60*60,Over all No of Baskets 01,Wheels/Legs Heavy Duty Castors.	2.00	Ea.			
525	Providing & Erecting Chest Cooler (Bottle Cooler) effective and economical Solutions for safe storage (2° C to 8° C) of perishable foods.The range of hard - top Chest cooler Technical Specification Gross Capacity 500 ltr.,Temp.Power Supply 230 Volts, single phase, 50Hz, Refrigerant R134A, No of lids 2, Inner Cabinet Pre-painted GP Steel, SS 304 Inner Tank, Puf Thickness 60 * 60, No of Baskets 01,Wheels/Legs Heavy Duty	6.00	Ea.			

526	Supplying & erecting bank of all polypropylene condenser (APP type) with standard capacity of 2,3,5,7, 10,12.5 & 15 KVAR units of P.F. correction for operation on 3 phase 50 c/s, 400 /440V (+ / - 10%) with externally discharging resistance, earthing terminal & built on angle iron of channel iron frame work and provided with terminal cover box. Complete erected on provided iron bracket or on floor duly tested by license.	20.00	KVAR			
527	Supplying and erecting approved make online Un-interruptible Power Supply system comprising flat cum-boost charger, static Inverter & sealed maintenance free SMF batteries. The charger having operating capacity for input 160-270V AC & inverter having output 230V,50 Hz Ac with 0.8 load power factor with battery, over/under voltage output with over load & short circuit protection equipment. The system housed in CRC sheet duly powder coated paint with following power backup.with MS painted batteries stand, 10% Overload capacity for momentary load. (I) 10 KVA 3 - phase with 1Hr Backup	1.00	Ea.			
528	Supplying and erecting horizontal / vertical mounting type storage water heater with copper container housed in M.S./S.S./ABS body insulated with glass wool/puff complete with heating elements,adjustable thermostats 300C to 850C, indicating lamp, safety valve, fusible plug, etc.complete erected with coach bolts, nuts. washers & cementation					
	(C)25 Ltr. with 2 KW. heating element					
	Premium Category	59.00	Ea.			
529	Supplying and erecting approved make panel mounting type Digital Voltmeter having 3 digits LED display, 0 to 750 AC Volts range erected on existing panel board with all connection, wiring etc .with manufacturers calibration certificate.	25.00	Ea.			
530	Supplying and erecting approved make panel mounting type Digital Ammeter having 3 digits LED display, external CT operated, calibrated for 0 to 1000 Amps suitable to operate on 500 Volt AC , erected on existing panel board with all connection, wiring etc .with manufacturers calibration certificate.	25.00	Ea.			
531	Supplying and erecting Ammeter / Voltmeter selector switch for 3 phase AC Supply 500 V on existing panel board with necessary connections.	50.00	Ea.			
532	Providing & erecting L.T. Current Transformer with bar primary 50/5 to 1000/5 ratio 15 VA burden erected in existing CRCA box duly secured with insulating materials connected to the meter	75.00	Ea.			
533	Supplying and erecting approved make suitable panel indicator LED type lamp, lens cover, complete erected with necessary connections.	75.00	Ea.			
534	Supplying & erecting directly operated single phasing preventer complete erected and connected to supply up to 45 Amp. Range.	1.00	Ea.			

535	Supplying & erecting approved make motor control cubical panel [Star delta] made from 16G CRCA sheet duly epoxy powder painted inside and outside with hinged doors and locking with suitable size of ON - OFF isolator (AC 3 / 23 duty) main fuses. Digital volt and current meter (in a single unit) with micro controller based control unit and current sensing single phasing preventer electronic overload protection, over voltage (Programmable) protection and under voltage (Programmable) protection, prod less dry run protection programming facility for setting of all parameter like overload current, high voltage limit, low voltage limit, dry run limit with digital indication on seven segment LED display for any fault like over load, high voltage, low voltage, dry running single crimped, electronic star delta timer, feather touch start / stop push buttons to be erected on angle iron frame. Grouted on wall the contactors will be of L& T, Siemens , BCH make only) (Note : Without Housing , Rs. 1500 IS Deducted)					
	(b) S/D up to 10 H.P.	2.00	Ea.			
536	Providing & erecting open well horizontal mono block pump set with cast iron body, complete for three phase submersible motor having [F] For 10 HP 3 phase open well horizontal mono block pump set suitable for 1725 LPM to 940 LPM @ 15 to 36 MTR head suitable for 65/80 mm dia delivery pipe Cat.II	2.00	Ea.			
537	Supplying & erecting approved make Automatic liquid level controller 6A. with sensor testing as per instruction of Engineer in charge on site complete with wiring connection with existing wires , with copper conductor from pump to upper and lower tank.	1.00	Ea.			
538	Supplying and erecting Fully Automatic hydro pneumatic booster system with cast iron housing Enclosure class IP44 minimum , with built in PTO motor protection and stainless steel impeller pump, pump modelGRUNDFOS CMB 5-46 series or equivalent one pump working and one standby for support with following specifications: i) Power 2.25kw/3 HP,3 Phase ii) Flow rtate -12cm2 iii) working pressure -4.5 to 5 kg iv) GI inlet & outlet header size 40/80 mm , outlet 50 mm with NRV,,Pressure switch ,pressure transmission, pressure gauge & other required accessories with necessary Plumbing work of suction and delivery pipe which includes all required size of pipes, Joints valves, Bypass valve, labor all accessories required for installation of pressure pump (Foundation work and base stand cost included) along with Panel HMI PLC with VFD with necessary switchgears and cable.	2.00	Ea.			
539	Lowering of submersible motor pump set at the depth of following, complete with required. Nos. and size of casing pipes erected by means of proper chain pulley block & pipe wrenches after checking of threads of each pipe with coupling to take the load of the pump set and pipe assembly filled up with water					
	(d)For Open well Horizontal submersible pump set for sump well					
	(ii) 7.5HP to 15 HP	2.00	Ea.			
540	Providing and erecting ISI marked PVC insulated PVC Sheathed Flat flexible Submersible copper cable approved make of following Size.					
	(c) 3 Core x 4 Sq. mm	150.00	Mtr.			

541	<p>providing and erecting sandwitched type bus duct having following specification : Sandwich type busbar for use as Feeder Busbar for interconnection between separate electrical equipment/ load centers, and for use as Plug in busbar risers. The busbar shall be suitable for operation in a 690V / 1000 V system with frequency of 50 Hz .System can be either earthed or unearthed. Impulse voltage should be 12 KV. Standards:</p>					
	<p>The busbar shall be designed and manufactured in accordance with the following international standards for busbar trunking. -IS 8623/ 1993 Part I & II : Particular requirements of busbar trunking System -IEC 61439 Part I & VI : Particular requirements of busbar trunking System -IEC- 60529 : Degree of protection TESTING The busbars shall be type tested at a reputable national / International test laboratory (ASTA or CPRI) for short circuit withstand. The test shall be for a minimum duration of one second.</p> <ul style="list-style-type: none"> • Degree of ingress protection (IP rating) shall also be tested at any reputed independent laboratory. This test shall be for IP 55 for Indoor and IP 65 for Outdoor application. • Short circuit and Degree of protection type test reports will be submitted for vThe <p>bsubars shall be of high conductivity Copper of 99.9% pure ETP grade and high conductivity Aluminium of 99.59% pure 19501 grade. Where as earth conductor is required, it shall be separate external earth conductor, of high conductivity aluminium. Cross section of Earth Conductor shall be as per IEC 60439.</p>					

	<p>It should be possible to provide a 200% Neutral where specified.</p> <p>Phase cross over box should have busbars crossing over each other not cables.</p> <p>The busbars shall be individually insulated with 2 layers of insulating film. Layers of POLYSTER material class 'F', 155°C.</p> <p>The housing shall be made of 1.6 mm electrogalvanised sheet steel, with an epoxy powder coated paint finish of RAL 7032 grade. Alternatively Aluminum casing of 2.5mm may also be provided. The housings shall be profiled, to provide higher strength and efficient heat dissipation. The width of the housings shall be same for all ratings of busbars, in order to provide interchangeability of tap off boxes.</p> <p>The joints between sections shall be made so as to provide flexibility during installation and expansion / contraction of busbar during operation. The joints shall be of the single bolt type. The joint construction must have the following features.</p> <p>a) Thermal expansion of Busbars at joint of at least 4 mm per joint.</p> <p>b) The joint insulation must be of one piece moulded design and not have any cut edges which can absorb moisture.</p> <p>c) Joint assembly shall be removable as separate sub-assembly so that it can be inserted or removed without disturbing the adjacent sections.</p> <p>d) The joint system must be designed in a way that the installer cannot insert the busduct length too far and damage the bolt insulator.</p> <p>e) The busbars ends shall not have any holes or slots at the joints – the electrical continuity shall be through pressure plates, achieving a high area of joint cross section and expansion capability.</p>					
	<p>Tap of Units</p> <p>a) Plug in boxes will be draw out type, contacts shall be silver plated and spring loaded.</p> <p>b) The front operating handle will be interlocked with the plug-in boxes cover so that MCCB can be operated only with suitable cover in close position.</p> <p>c) The door shall be provided with the door knobs.</p> <p>d) When the MCCB is in 'ON' position, even with the door knobs unlocked, the operator should not be able to remove the box or open the tap off location cover.</p> <p>e) During insertion, the earth conductor shall make contact first before the phase conductors. This should follow the sequence of first in last out concept.</p> <p>f) When the box is open the live conductors shall be safe guarded by a transparent insulator plate which allows for visible inspection but does not allow touching of the live conductors.</p> <p>g) The tap off unit arrangement must achieve IP 54 without requiring any additional sealing at site.</p> <p>h) The tap off boxes will be suitable for accommodating MCCBs or other accessories, as required. The tap off units should allow the flexibility of accommodating different, reputed MCCB makes, to be mutually agreed depending on the tender requirements.</p>					

	(B) Copper Bus					
	(c)1000 Amp. capacity	60.00	Mtr.			
542	Providing, erecting, testing commissioning & getting Plan Approval as well as NOC from Electrical Inspector for extensible H.T panel comprising of one 630A/800A/1250A. H.T. VCB incoming & Two outgoing 630/800/1250 A Drawout type VCB confirming as per I.S. for use on 11 KV, 3 phase, 50 c/s. unearthed A.C. supply system having breaking rupturing capacity of 350 MVA or Above complete with spring operated mechanism, mechanically & automatic ON-OFF and spring mechanism charged, discharged indicators, ON-OFF mechanical push button, operation counter necessary auxiliary switches, closing shunt trip, air insulated busbar chamber having heat shrinkable PVC sleeves, mechanical interlocks safety shutters, isolating plugs and a VCB trolley with three vacuum interrupters with epoxy support insulators and self aligning finger type isolating contacts. The breaker shall be Manual cum motorised mechanism & auto spring charge with TNC switch closing with following accessories. The Standard Companies Switchgear shall be Used and Only Manufacutres as per IEC 61439 for beneficial use.	1.00	Ea			
	1.flush mounting type digital multifunctional meter with communication facility - Three sets.					
	2. Power Factor Meter One No					
	3. Double core current transformer cast resin type having ratio 200 to 50/1 core for metering & second core for protection having required class of accuracy. - Three Sets					
	4. Instantaneous under voltage relay,Over Voltage relay & Temperature rise Tripping Relay					
	5. Electrical closing coil & short trip coil operating on 110V. D.C.- Three Sets					
	6. Auxiliary relay for anti pumping device					
	7. Three phase Three limb Drawout type feeder connected & output of 200 VA cast resin insulated potential transformer having ratio 12000V./110V. and 200 VA Burdon with 0.5 accuracy. - One No.					
	8. Common Alarm bell operating on 110V A.C.- One No.					
	9. Digital KWH Meter - One No.					
	10. Cable boxes suitable up to 11 KV 3core 150 sq.mm XLPE cable. - Three Nos.					
	11. 230V. A.C. to 110V. D.C. power pack for closing & tripping circuit common.					
	12.Breaker ON-OFF, Auto trip and spring charged indicators. - Three Sets.					
	13.Phase indicating & panel illumination lamps with plug socket - Three Sets.					
	14.Numerical Communicable type non directional O/C & E/F Relay with a setting of 5-250% both in O/C & E/F. -Three Set					
	complete with necessary interconnection with air insulated high grade copper busbar {Breaker Testing scope include Closing Time, Opening Time, VCB Hi-Pot test at Site}{ Relay Testing Scope Include testing of all protection by three phase testing kit at site }(VCB Trolley is to be provided)					

543	<p>Design, Engineering, Manufacturing and Testing of Outdoor type 11KV Compact Sub-station (CSS) suitable for 11kV, 50Hz, with HT Switchgear, Transformer and LT Switchgear, Cable termination facility for HT & LT side, internal illumination, earthing, interconnection of Transformer with HT & LT equipments, suitable for ready Plinth and comprising of the following and with obtaining all necessary certificate from Electrical Inspector</p> <p>Outdoor type enclosure having modular construction of 1.6/2.0mm CR Sheet Steel. The enclosure shall have IP54 degree of protection for HT & LT compartment & IP23 degree of protection for Transformer compartment. The enclosure exterior shall be painted with epoxy based powder coated paint (colour RAL 7032), Paint Thickness 100 Micron. The bottom base frame shall be welded and black painted Channel structure with lifting arrangement for the completely assembled CSS. Each compartment is provided with door and pad locking arrangement. The Compartment illumination lamp with door operated switch shall be provided for each compartment. The Transformer compartment is provided with Limit switch to trip the HT Switchgear and heater, in case the Transformer compartment door is inadvertently opened in LIVE condition</p>					
	<p>RMU (SF6 gas insulated): Sheet steel enclosed, free standing, indoor mounted, 11 kV, 630A, 21kA/1s, Rated Short making Current - 52.5 kA, Rate Lightning Impulse Withstand Voltage -75 kV, Rated power Frequency Withstand Voltage- 28 kV, 3-WAY Non - extensible RMU, consisting of 3 Nos.</p> <p>Fixed VCB (MOTORIZED charging & closing), mechanical ON/OFF indicator, trip coil, Manual Close & Trip PB, live cable indicator, mechanical interlocks, pad locking facility, SF6 gas manometer, cable boots, SF6 Gas Insulated Copper Busbar, CTs ratio: 75/1-1A, 2.5/2.5VA, CL: 1/5P10 for Metering & Protection - 3 Nos</p> <p>PTs ratio: 11kV/$\sqrt{3}$ / 110/$\sqrt{3}$, 50VA, CL: 1 with HT</p> <p>Primary Fuses -01 Nos</p> <p>Self Powered Relay 3O/C + 1E/F (50,50N,51,51N)</p> <p>Numerical IDMT + DMT+ Inst Relay - 01 Set</p> <p>Digital Multifunction Meter, Cl: 1 - 03 Nos</p> <p>Indication lamps: R,Y,B, ON, OFF, TRIP -03 Set</p> <p>Operating Handle -01 Nos (Make of RMU : ABB, SIEMENS, SCHNEIDER) IP3X RMU</p> <p>Cable connection arrangement from outgoing of HT section to primary of Transformer by 11kV (E)</p> <p>XLPE armoured 1C x 95 Sqmm Aluminium cable per phase along along with heat shrink cable kit. - 01 Set</p>					

	<p>TRANSFORMER SECTION</p> <p>1250KVA, 11/0.433KV DYn11 Cast resin Dry type transformer with Tap Switch, having tapping range of +5% to -15% in steps of 1.25%, Z% : 5% (IST), with No load Loss - 1.50kW (IST) & Load loss at 75 Deg C - 5.80kW(IST), Class F insulation, temp rise : 90 DegC , 3nos. Surge arrestors 9kV 10kA polymeric make Siemens/ABB/Voltamp approved make/ Eq, 1 no. Digital WTI with Alarm & Trip contacts and Scanner, IS:11171</p>					
	<p>LT SECTION</p> <p>2000 Amps Aluminium PVC sleeved Busbar from transformer Secondary to LT Section (100% for phase & 50% for N, Current density - 1A/ sq mm)</p> <p>ACB, 2000A, 4P, 50KA, MDO, with Microprocessor based release with LSIG protection - 01 Nos</p> <p>Tape wound LT CT ratio: 2000/5A, 15VA, Cl: 1 - 03 Nos</p> <p>Digital Multifunction Meter, Cl: 1.0 - 01 Nos</p> <p>Indicating Lamps for, R,Y,B, ON, OFF, TRIP - 06 Nos</p> <p>Bottom Cable termination arrangement of adequate size and qty for outgoing LT cable termination. - 01 Nos</p> <p>EARTH Busbar AL size 50 x 6 sq mm</p> <p>Aluminium bus from Transformer neutral upto exit point on CSS</p> <p>Misc item - Lugs, Terminals, Heaters, CFL, Sleeve,insulator Hardware ,locks,handle,gasket, tie rods and other boughtout items</p>	2.00	Ea.			
	<p>following Routine Tests as per IEC 62271-202 on the CSS like :</p> <p>a) Voltage test</p> <p>b) Functional test</p> <p>c) Verification of correct wiring.</p> <p>For items like Transformer, RMU and ACB , manufacturer's routine Test Certificates shall be required.</p>					
544	Providing and fixing printed instruction chart both in English and Gujarati and duly framed with front glasses, for treatment of person suffering from Electric shock with minimum 50" diagonally size.	4.00	Ea.			
545	Providing pair of rubber hand gloves suitable for working on 11 KV/22 KV supply.	2.00	Ea.			
546	Supplying rubber matting of following thickness as per IS:15652/IEC 61111					
	(b)4mm	12.00	SQ.MTR.			

547	Supplying stand first AID box with antiseptic cream, medicine for use on wounds due burn, crepe bandage, gauge bandage, medicated ready to use bandage (Band-aid) adhesive tape for medicinal user, Scissors, anti-septic solution (Savlon or similar) etc. (All above contents shall be of standard makes)	6.00	Ea.			
548	Supplying FIRE bucket round bottom of 9 litres capacity made out of 24 gauge G.I. sheet with extra handle at bottom duly painted white inside and Red out side with FIRE mark, filled with dry-sand and kept on existing stand provided or hung on wall hook.	4.00	Ea.			
549	Supplying and erecting floor mounting stand for keeping four nos. of FIRE buckets comprising 1500 mm in length, 900 mm height frame made out of 30mm X30 mm X 4 mm angle iron with cross supports for legs, welded with 4 hooks and duly painted with one coat of red lead and two coats of approved enamelled silver paint.	1.00	Ea.			
550	Providing and erecting ISI Marked 3 core 240 Sq.mm XLPE insulated 11 KV armoured cable Aluminium conductor IS-7098 to be laid on wall with clamps or in provided cable trench / pipe approved manner as directed. (from Existing Substation to CSS)	1200.00	Mtr.			
551	Providing and erecting cable end termination kit, heat shrinkable Push on type Densons/ Raychem/ Elastimold make suitable for 11 KV XLPE cable 3core 95 & 120 Sq.mm					
	(A) Outdoor type	12.00	Ea.			
	(B) Indoor type	4.00	Ea.			
552	Supplying and erecting high tension cable end box outdoor type suitable. for 11 KV 240Sq.mm 3core H.T. cable complete with gland bushing and jointing material.	6.00	Ea.			
553	Design, Supplying, installing, testing of factory fabricated ready made Three phase APFC Panel Cubical Panel fabrication should be type tested as per IEC 61921, 61439:1&2 Capacitor Duty Contactor for switching as per following Steps Incomer Switch of MCCB type Icu=Ics=50KA at 400/440 Volts, with OC, SC, internal earth fault protection Incomer Switch of MCCB type Icu=Ics=50KA at 400/440 Volts, with OC, SC, internal earth fault protection,Copper tinned insulated Busbar,Cubical panel should be indoor type with IP 43 and IK 10,Metalized polypropylene film tye3-phase 550Volt Capacitor,De tuning Reactor for each capacitor,Panel having Short Circuit and Overload protection,Each step Capacitor having suitable MCB with Sc, OL, internal earth fault relay,Each stage having Stage Contactor (Capacitor load rating),PF regulator master controller having suitable steps with LCD display, Rs 485 Communication port, Indication LED Lamps for main incomer and ON-OFF for each capacitor bank,MS Chanel for Floor mounting, Cable entry as per site situation,Cooling fans for panel					
	(f) 200 KVAR	2.00	Ea.			

554	SITC of Vertical Air Termination Solid aluminium with Base- 10 mm dia and 1000 mm long. Air Termination Base tested for conditioning, Ageing Test & Lightning impulse current withstand test: 100 kA of 10/350µs waveform in an accredited Third party laboratory as per 6.3 & 6.4 of IEC 62561-1 2017 protocol with MAST 34mm dia 3000 mm long- Cold Galvanized	8.00	Ea.			
555	SITC of 8 mm dia solid Aluminium Conductor for roof top mesh grid and tested as per IEC 62561- 2 conducted in the Govt. accredited thirty party laboratory to meet the requirement of IS/IEC 62305 with Required Accessories - Aluminium Holding clamp at every 1 mtr distance, Aluminium/SS cross splicer at every crossing of Alu. conductor, Expansion piece with connectors at every 20 mtr distance, Aluminium straight Splicer to connect conductors. All Accessories should be tested as per IEC 62561-1 2018 Cl. 6.3 for conditioning & Ageing Test & 6.4 for Lightning impulse current withstand test: 100 kA of 10/350µs waveform(Ageing & Electrical test) conducted in a sequence manner & tested in the Govt. accredited Third party laboratory to meet the requirements of IS/IEC 6230	230.00	Mtr.			
556	SITC of 10 mm MS Round Solid Conductor having smooth surface Should be tested and use exclusively for lightning protection (Vertical Riser/Down Conductor which shall be concealed in Column) to meet the requirement of IS IEC 62305 With Accessories - Earthing stud of dimension SS-75mm OD plate with 10mm dia tail connector used in structural steel ring earthing system to meet the requirements of IS/IEC 62305. (For Interconnecting the Column and the Terrace AL Conductor / Strip/Flat), SS Cross Connector to connect Earth fixing point to vertical raiser/Down conductor, SS Straight Splicer at every 4 Mtr to connect MS conductor in column, Bonding /Rebar Clamp at every 3 mtr suitable for interconnecting round conductor with reinforcement inside the concrete for structural earthing system, SS connector -To connect external conductor 8- 10 mm with earth fixing point. All Accessories should be tested as per IEC 62561-1 2018 Cl. 6.3 for conditioning & Ageing Test & 6.4 for Lightning impulse current withstand test: 100 kA of 10/350µs waveform(Ageing & Electrical test) conducted in a sequence manner & tested in the Govt. accredited Third party laboratory to meet the requirements of IS/IEC 6230	210.00	Mtr.			
557	SITC of Galvanized Steel Flat 25x6 mm thickness from earth electrode directly in ground as required. Zinc coating: 500 g/m square (Approx:70 micron coating) tested and used exclusively for lightning protection earthing system and ring equipotential bonding.	356.00	Mtr.			
558	SITC of 14.2 mm dia 3 mtr long Earth electrode of High tensile steel electrode with 250 micron copper bonding & 1 bag of Carbon fill Based environment friendly backfill tested as per IEC 62561-7 in NABL accredited Laboratory and suitable stainless Steel double sided clamp. Eco Friendly rust proof heavy duty weather proof Polyethylene Earth Pit Chamber with following dimensions :254 mm dia (top), 330 mm dia (bottom) & 260 mm (height).	8.00	per set			

559	Supply,Installation, Testing and Commissioning of Microprocessor based Multi-loop, True Peer-to-Peer Networkable Addressable Fire Alarm Control Panel with minimum 600 characters LCD display, 4000 event plus 1000 alarm log history events, QWERTY keypad for programming. The panel should be equipped with sufficient numbers of loops considering 20% spare capacity in each loop. Each loop shall have a capacity of minimum 300 analog addressable devices. The panel shall work in degrade mode in case of CPU failure, Products not having this feature may offer Redundant CPU. Four access levels, flash EPROM, 240 volts AC power supply, automatic battery charger, 24 volts sealed lead acid batteries sufficient for 24 hours normal working and 30 mins in alarm condition. The panel shall be complete with Integrated 8 channel Digital Voice Evacuation System Controller capable of broadcasting Evacuation Messages on same peer-to-peer Network and 2 ways Communication Fire Fighters System capable of supervising all the speaker circuits with adequate zone control and accessories. Failure of Fire Panel CPU shall not result in failure of DVC operation. The Fire Fighters Telephone System shall be capable of having minimum 30 Telephones in conference in multiple FFT Risers. Designed to meet UL864, 10th Edition 2-loop - With Digital Voice Command Center	2.00	Ea.			
560	Supply,Installation, Testing and Commissioning of Network Repeater Panel with minimum 10" Color Touch Screen display with QWERTY Keypad, mapping minimum 2,00,000 points on network. The NRP shall act as an independent node communicating on the peer to peer network and shall not be dependant on the Fire Panel CPU for operation. Failure of Fire Panel CPU shall not result in failure of NRP operation.	2.00	Ea.			
561	Supply,Installation, Testing and Commissioning of Addressable Multi-criteria Photo-Thermal Detector with sensitivity range of 0.5 to 4.0% obs/ft.The intelligent multi criteria detection device shall include the ability to combine the signal of the thermal sensor with the signal of the photoelectric signal in an effort to react hastily in the event of a fire situation. It shall also include the inherent ability to distinguish between a fire condition and a false alarm condition by examining the characteristics of the thermal and smoke sensing chambers and comparing them to a database of actual fire and deceptive phenomena. The detector shall have twin bi-colour LED for 360 deg viewing. Addressing shall be with user friendly rotary decimal switches. Designed to meet UL268, 7th Edition	120.00	Ea.			
562	Supply,Installation, Testing and Commissioning of Addressable Rate of Rise Heat Detector rated at 8.3 deg C/min. The detector shall have twin bi-colour LED for 360 deg viewing. Addressing shall be with user friendly rotary decimal switches.	18.00	Ea.			
563	Supply,Installation, Testing and Commissioning of Addressable Manual Pull Station (Pull down Type). The device shall have an LED which shall blink in normal state & get steady on activation to monitor the heath status of the device.	18.00	Ea.			

564	Supply,Installation, Testing and Commissioning of Sounder cum Strobe rated at 80 dBA @ 3m for Audible annunciation and 115cd flashintg at 1 Hz for visual indication. UL Listed	18.00	Ea.			
565	Supply,Installation, Testing and Commissioning of Addressable Control Module for Sounders / Strobes / Sounder cum Strobes. The control module shall provide supervised NAC output rated at 24v DC, 2A. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the heath status of the device. Addressing shall be with user friendly rotary decimal switches. Module shall be supplied with mounting plate from OEM for ease of installation & maintenance.	36.00	Ea.			
566	Supplying and erecting Flexible PVC insulated multi strand multi core 1.1 kv grade ISI marked copper wires of following size to be erected as directed. [d] 1.50 Sq.mm 2 core round PVC sheathed	4000.00	Mtr.			
567	Supply,Installation, Testing and Commissioning of Isolator Module for Isolating short / dewired / loose circuits with automatic resetting arrangement. Isolator Base can also be proposed, however in that case needs to be considered with each detector & module. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the heath status of the device. Module shall be supplied with mounting plate from OEM for ease of installation & maintenance.	36.00	Ea.			
568	Supply,Installation, Testing and Commissioning of Addressable Fire Fighter's Telephone Jack with suitable supervised module for two way communication between Remote Fire Fighter & Fire Command Center. UL Listed	9.00	Ea.			
569	Supply,Installation, Testing and Commissioning of Fire Fighter's Telephone Handset for two way communication between Remote Fire Fighter & Fire Command Center	9.00	Ea.			
570	Replacing old and damaged TV Model No. KDL-50W800D serial Number 8538682 by Supply Installation Testing & Commissioning of Sony make Full HD LED TV model No. - Bravia 2 -S25 of updated model having Features like Display type LED Screen 139 Cm (55 Inch, measured diagonally), Display resolution 3840 x 2160, Back light type- Direct LED, Clarity Enhancement 4 K- X Reality PRO, Audio Power output 10W + 10w with motionflow TM XR200 (Native 50 HZ) with Wi-Fi connectivity features, POver Consumption AC 100-240 V, 50/60 Hz -as per Selection of authority / building committee	64.00	Ea.			
571	Supply of Fibreglass Step (A Type) Ladder - 6 FT having following specifications : It should have nonconductive Structural moulded top, with Slots to keep tools close at hand, inside Spreader Braces, Aluminium Feet with thick rubber tread, nonconductive Full channel Fibreglass and two pairs of gusset support at the bottom step. All gussets are heavy duty steel. Capacity : 300 lbs. Step Size : 3" Width : 23" "Approx. Spread : 41" Approx. Wt. : 11 Kg Approx. Cube : 6.2'	2.00	Ea.			

572	Supply of Fibreglass Platform Step (A Type) Ladder - 18 FT having following specifications : It should have large fully serrated platform 15" wide 20" deep which locks ladder , Aluminium feet with thick rubber tread, top rail guard to serve as a railing, two pairs of gusset support at the bottom step and All gussets are heavy duty steel. Capacity : 300 lbs.	2.00	Ea.			
573	Supplying, Erecting, Testing & Commissioning the Machine Room Less Passenger lift as per prevailing IS code having following main features:					
	(A) GENERAL DESCRIPTION OF LIFTS.					
	[1] GEAR LESS LIFT DRIVE (MRL) comprising of High Starting torque Lift 3 phase 440 V A. C. Permanent Magnet Synchronous motor of proper rating with high efficiency shall be used.[2] Micro processor based / PLC, ACVVVF, vector control drive with encoder feedback closed loop system shall be used for lift car and door operation which shall be full collective selective operation hall call demand response, UP/DOWN hall stops, Main, Up/ Down Contactor with overload and phase reversal relay and safety controls.					
	[3] Car with M S platform with bracings of adequate size and to sustain the impact load cabin + passenger with safety factor of fire for steel and side panels of Stainless steel of sheet of grade 304 duty. Car ceiling will be S.S. finishes with aesthetic appearance with LED ceiling lights. Car flooring shall be of anti skid PVC with choice of colour of engineer in charge. Car doors shall be of stainless steel grade 304, hairline finish with centre opening / telescopic automatic doors. Car panel will also be S.S. 304 finished with emergency stop device, mechanical door safety device, facility of auto/ attended mode. All car panel buttons and all floor switches must be with brail language as per lift act.					
	[4] All landing doors must be fire rated for 2 hour shall be fully automatic centre opening/ telescopic opening made of hairline finish steel grade of 304 with key holes and infrared curtains with Unlocking facility from outside [5] Appropriate battery operated emergency light in the car along with alarm switch shall be provided. Also, Emergency Light & Fan should start immediately without any Time Delay as soon as power fails. [6] Digital scrolling indicator system for up-down arrow along with floor position indicator shall be provided inside the car and at all floors. [7] Full height infra red curtain with multiple cross / crossing light beams shall be provided.[8] Automatic Rescue Device (ARD) shall be provided accordingly of passenger capacity with Manual Rescue Operation (Manual Cranking Facility). [9] Audio visual indication in the lift car showing over loading shall be provided such that doors kept open till excess load is removed.					

<p>[10] Spring buffers/PU Buffers shall be provided.</p> <p>[11] Car fan as per passenger capacity with automatic sleep timer shall be provided.</p> <p>[12] Voice annunciator with suitable music shall be provided in lift car.</p> <p>[13] Self diagnostics system for operational and safety parameters shall be provided in control panel.</p> <p>[14] Mechanical over speed governor with governor calibration as per actual site parameters and submission of calibration certificate submission, door key holes in the floor doors, fireman switch shall be provided.</p> <p>[15] Lift machine hoisting arrangement in the lift machine room and monkey ladder for lift pit should be provided by the lift agency, along with the other steel structure works, foundations for the machine etc...</p> <p>[16] In the hoist way fascia plate shall be provided without any extra cost, where ever required as / if directed by engineer in charge.</p>					
<p>[17] Permanent wiring with necessary safety devices like RCCB in all circuit, Over Voltage Under Voltage protection and THD eliminator in circuit for lift machine room and lift well with proper numbers of light points, with fixtures, exhaust fan and plug points shall be provided by the agency. Only 3 phase Power Supply shall be made available by department in lift machine room. Necessary Earthing as per Lift Act/Rules shall be arranged by Lift Agency.</p> <p>[18] Any civil/ electrical works for additional and alteration in lift shaft and machine room related to erection of lift shall be made by lift agency without any extra cost. (granite/marble fixing around all landing door openings are not in lift agency's scope.)</p> <p>[19] Agency has to provide all working drawings and documents and liaison services for obtaining all necessary permission from lift inspector and other authorities. [20] acrylic transparent licence/display A4 size holder in lift car</p>					
<p>[20A] As per statutory requirement of Govt. Of Gujarat lift & escalator act 2000, lift agency has to provide</p> <ol style="list-style-type: none"> 1. Car top safety barricade 2. Push & talk communication system. 3. Fireman's switch operation at Ground Floor. 4. carrying out third party lift inspection during/after lift erection and provide report by third party authorized by concern licensing authority 5. agency has to provide third party insurance upto completion of free maintenance period and submit the document for the same. 					
<p>[21] Car Panel Operating Buttons with floor position indicator/buttons must be of Auto Glow type clearly visible when view from inside cabin.</p> <p>[22] For Physically Handicapped person Full Length Handrails of hairline finish steel grade of 304 should be provided at appropriate height on the Rear & Side Wall Panels in Lift Car.</p>					
<p>(B) SPECIAL FEATURES DESCRIPTION OF LIFTS for PREMIUM category</p>					

	1. Advanced control system dual 64 bit embedded microprocessor with CANBUS Serial Communication mode including Regenerative power efficient operation, on site programming facility, Anti nuisance, Pte-opening, BMS/RMS with necessary online real time monitoring system having necessary connectivity for remote monitoring & other suitable supporting hardware & software devices to fulfil the purpose.					
	2. Floor Indication LCD Display with call registration & brail mark with arrival gong and hall lantern & TFT Screen in the car with MP3 Voice Announcer.					
	3. CAR Panel should be Scratch resistive SS Moonrock finish / Hair Line / Honeycomb for car and all Doors, All landing doors must have fire rating up to 2 hours and car door must have multi-level crisscross beam door protection.					
	4. To & fro communication system & wiring (i.e. car, control room & guard room) and Each elevator are equipped with remote monitoring system. agency has to provide mobile app and user id and password for monitoring					
	8 / 10 Passengers, Ground plus 8 upper floor with Rated Speed of 1.5 / 1.75 / 2.0 m/sec.,					
	(C) With General PLUS ADDITIONAL SPECIAL FEATURES attached herewith. Prem. Cat.	1.00	Ea.			
	(C) With General PLUS ADDITIONAL SPECIAL FEATURES attached herewith. Prem. Cat. (Duplex control lift ADD 40,000 per lift for duplex 40000+s.o.r rate 2190261=2230261)	4.00	Ea.			
574	Supply, Installation, Testing & Commissioning of following size of Grid Tied Solar Power Plant with Solar Panels (ALMM approved): Frame Material : Anodized Aluminum alloy Frame With Twin Wall Profile, Front Cover : High Transmission Low-Iron Tempered Glass (AR Coated), High efficiency and positive power tolerance Pmax: 0/+5, Module Efficiency should be approx. 19.5%-22%, Normal operating temperature 45'C, Junction Box with Waterproof IP67 & MC4 Compatible and Enclosed with Bypass diodes, 100% Electroluminescence test to ensure error free Modules, Thep. temp. co-efficient of the PV module shall equal or better than -0.45%/degree C. Solar PV modules of minimum fill factor 75% to be used. Unit Production:- More than 4.5 Unit /kw /day (Actual)(1Year Avg) With 10 year Product warranty and 25 year Linear Power Warranty includes all mechanical and electrical parameters of the Solar panel. Modules must be complied to the DCR(Domestic content requirements). The Ration of AC to DC is 5:6 for the Installation capacity which are given in AC KW.					

	Solar Inverter: MPPT Range: 80-1000 V , Max efficiency: 97.5% - 98.9%, O/p Frequency: 50/60Hz, Operating Altitude (m) ≤4000, O/p Power Factor: ~1, O/P THDi: <3%, Operating Temperature Range: -25~60°C, Integrated protection of Inverter are Anti-islanding Protection, Input Reverse Polarity Protection, Insulation Resistor Detection, Ground fault protection, Residual Current Monitoring Unit, Output Over Current Protection, Output Short Circuit Protection, Output Over Voltage Protection, PV array string fault Protection. Protection Degree: IP65, User Interface LCD & APP, Datalogger & Communication: GPRS / Wi-Fi.					
	Integrated, Input Reverse Polarity Protection Integrated, Insulation Resistor Detection Integrated, Residual Current Monitoring Unit Integrated, Output Over Current Protection Integrated, Output Short Circuit Protection Integrated, Output Over Voltage Protection Integrated, Protection Degree: IP65, User Interface LCD & APP,Datalogger & Communication: GPRS / Wi-Fi, Module Mounting Structure: The mounting (Rectangular pipe / square pipe / circular pipe) with requisite cross bars, nuts and bolts, etc. shall be Hot deep galvanized with minimum 80micron coating. The Rectangular / square /circular hollow pipe section used for the structure should have a minimum thickness of 2.0 mm. other than above, the material thickness should be minimum 2.5 mm. A certificate of a structural engineer certifying the strength and stability of the mounting structure to withstand the weight and wind speed of 150 km/hour throughout the life span of 25 years of the system, shall be submitted by the vendors. Hot Dipped Galvanized steel coils. suitable arrangement for base plate for foundation , solar panel mounting, the structure should be suitable for carry the load of solar panel,wiring, sprinkler system etc. with necessary foundation work/wall mount, j bolt, anchor fastner etc. the nut bolt used for installtion of stucture should be (SS 304) quality.The ground clearance of the bottom most edge of solar panel shall not be less than 300 mm to 1200 mm or as per site's technical/feasibility requirement.					
	a. Column –The minimum section (thickness) should be 60MM*40MM b. Rafter - The minimum section (thickness) should be 60MM*40MM c. Purlin - The minimum section (thickness) should be 40MM * 40MM Balane of System with necessary Swichgears (Suitabel size and protection of ACDB & DCDB), inter connecting wiring, earthing system as per the CEIG drawing approval, lightning arrester system as per the CEIG drawing approval, all liasoning work with various gov. dipartment like state nodal agency,DISCOM & CEIG is included in agency scope					
	(Excluding All charges namely GEDA Application fees, Solar connectivity Charges, Meter connectivity Charges, Meter testing Charges and system stability/strenthning charges.)					
		100.00	KW			

575	<p>Providing and fixing of Philips Divine Wall Light or approved equivalent, complete with integrated LED/lampholder as specified, suitable for decorative wall-mounted lighting. The luminaire shall provide soft, glare-free illumination with aesthetic finish.</p> <p>The light shall have System Power 10 Watts, 1000 Lumens, Beam Angle 360 degree (Globe Diffuser) , Power Factor > 0.9, Aluminum housing Material, IP20, IK02, CCT of 3000K/4000K/6500K (as specified), CRI ≥80, and long service life. The fixture shall be complete with housing, mounting base, and necessary fixing accessories. (IS 10322, BIS, RoHS compliant Fixtures)</p> <p>The item includes supply, installation, wiring, connection to power supply Ceiling Rose, testing, and commissioning complete as directed by the Engineer-in-charge.</p>	171.00	Ea.			
576	<p>Providing and fixing of Philips Ritzy Pendant Light or approved equivalent, complete with decorative housing and integrated LED/lampholder as specified, suitable for suspended ceiling applications. The luminaire shall provide uniform, glare-free illumination with aesthetic finish.</p> <p>The light shall have System Power 4 hanging components x 10 Watts, 4 x 1000 Lumens, Beam Angle 360 degree, Power Factor > 0.9, Aluminum housing Material, IP20, IK02, CCT of 3000K/4000K/6500K (as specified), CRI ≥80, and long service life. The fixture shall be complete with suspension arrangement, canopy, and necessary mounting accessories. (IS 10322, BIS, RoHS compliant Fixtures)</p> <p>The item includes supply, installation, wiring, connection to power supply Sockets, testing, and commissioning complete as directed by the Engineer-in-charge.</p>	20.00	Ea.			
577	<p>Providing and installing Philips SkyCove LED Strip Light (28W) or approved equivalent, complete with extruded aluminium profile (section) and opal diffuser cover for seamless, glare-free cove lighting. Suitable for concealed linear applications as per design.</p> <p>The strip shall have System Power of 28 Watts per Meter, Beam Angle of 120 degree, CCT of 3000K/4000K/6500K (as specified), CRI ≥80, and minimum 50,000 burning hours. The system shall be compatible with 24 Volts DALI/automation controls with appropriate driver. (IS 10322, BIS, RoHS compliant Fixtures)</p> <p>The item includes mounting accessories, wiring, connection, testing, and commissioning complete as directed by the Engineer-in-charge.</p>	1273.00	Rmt			

578	<p>Providing and fixing of Philips SkyPro LED Strip Light (45W) or approved equivalent, complete with extruded aluminium profile (section) for heat dissipation and opal diffuser cover for uniform, glare-free illumination. The fitting shall be suitable for surface/recessed/suspended installation as per design.</p> <p>The luminaire shall have System Power 45 Watt per meters, Luminous FLux 4500 Lumens per Metre, 110 degree Beam Angle, CCT of 3000K/4000K/6500K (as specified), CRI ≥80, and minimum 50,000 burning hours. The system shall be compatible with DALI/automation controls, including suitable driver.</p> <p>The item includes supply and installation of aluminium profile, diffuser, end caps, mounting accessories, wiring, connection to power supply, testing, and commissioning complete as directed by the Engineer-in-charge. (IS 10322, BIS, RoHS compliant Fixtures)</p>	1092.00	Rmt			
579	<p>Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name</p> <p>160V to 270V, Power Factor more than 0.95, THD < 15 %, CCT 3000 K to 6500K, Luminaire efficacy > 85 lumens/watt , LED driver efficiency > 85 %</p> <p>(fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings. The Engineer incharge may select any wattage capacity between the ranges shown.)</p> <p>(B) LED Panel Light with provision for Plane front frame with translucent cover fixed to housing complete. IP20</p> <p>(vi) 36 watts, 24" x 24", Surge- 2KV Cat-III</p>	26.00	Ea.			
580	<p>Providing and installing Philips Stanchion Track Light with Philips Webber Recessed Track or approved equivalent with all Track accessories included, comprising extruded aluminium recessed track profile (section) with cover for seamless ceiling integration. The system shall include compatible track-mounted luminaires with efficient, glare-controlled illumination, 30 Watts, Luminous Flux 3000 Lumens, Efficacy up to 100 Lumens per Watts, Beam Angle 60 degree, IP20, CCT of 3000K/4000K/6500K, CRI ≥80, and minimum 50,000 burning hours. The track shall be complete with aluminium profile, cover plate, end caps, connectors, joiners (straight, L, T, cross as required), suspension/fixing accessories, and integrated power supply arrangement.</p> <p>The system shall be compatible with DALI/automation controls with suitable drivers and control gear. (IS 10322, BIS, RoHS compliant Fixtures)</p> <p>The item includes supply, installation of track and luminaires, all joining accessories, wiring, connection to power supply, testing, and commissioning complete as directed by the Engineer-in-charge.</p>	116.00	Rmt			

581	<p>Providing and supplying Philips Orbit Desk Light or approved equivalent, complete with integrated LED source and sleek housing, suitable for study/workstation use. The luminaire shall provide uniform, glare-free illumination with energy-efficient performance.</p> <p>The light shall have 10 Watts, Efficacy 50 Lumens per Watts, Luminous Flux 500 Lumens , CCT as specified, CRI ≥80, 110 degree Beam Angle, 3 Step Touch Dimming, IP20 and long service life. The item includes complete unit with built-in driver, cord, plug, and switch/control mechanism.</p> <p>Complete as supplied, installed, tested, and commissioned as directed by the Engineer-in-charge. with 2 YEarS Warranty.</p>	58.00	Ea.			
582	<p>Providing and fixing of Philips Bedside Wall Light or approved equivalent, complete with integrated LED/lampholder as specified, suitable for wall-mounted bedside application. The luminaire shall provide soft, glare-free illumination for ambient/reading use.</p> <p>The light shall have 3 Watts Reading Lights, Aluminum (Arm & HEad) + Metal (Base) Chrome Finished ,30 degree Beam Angle, Efficacy 67 Lumens per Watts, Luminous Flux of 200 Lumens, CCT of 3000K/4000K/6500K (as specified), CRI ≥80, and long service life. The fixture shall be complete with housing, mounting base, and switching arrangement (if applicable). (IS 10322, BIS, RoHS compliant Fixtures)</p> <p>The item includes supply, fixing, wiring, connection to power supply sockets, testing, and commissioning complete as directed by the Engineer-in-charge.</p>	116.00	Ea.			
583	<p>Providing and supplying Philips Ornate Floor Lamp or approved equivalent, complete with decorative housing and integrated LED/lampholder as specified, suitable for ambient lighting in interior spaces. The luminaire shall provide soft, glare-free illumination with aesthetic finish.</p> <p>The light shall have 10 Watts, 120 degree BEam Angle, Wood or MEtal Fabric material, built in Driver, INtegrated E27 options, Convenient Foot Switch for operations, CCT of 3000K/4000K/6500K (as specified), CRI ≥80, and long service life. The fixture shall be complete with base stand, shade (if applicable), cord, plug, and switch arrangement.</p> <p>Complete as supplied, installed, tested, and commissioned as directed by the Engineer-in-charge. (IS 10322, BIS, RoHS compliant Fixtures)</p>	58.00	Ea.			

584	<p>Providing and fixing of Philips Muziris Picture Light or approved equivalent, complete with integrated LED source, suitable for wall-mounted artwork/picture illumination. The luminaire shall provide focused, glare-free lighting with uniform distribution.</p> <p>The light shall have 7 Watts, Efficacy > 80 Lumens per Watts, Luminous Flux 550 Lumens, 90 degree Beam Angle, Antique Brass Finish, IP20,CCT of 3000K/4000K (as specified), CRI ≥80, and long service life. The fixture shall be complete with adjustable arm/head (if applicable), housing, and mounting base with 2 Year Warranty</p> <p>The item includes supply, fixing, wiring, connection to power supply Sockets, testing, and commissioning complete as directed by the Engineer-in-charge.</p>	99.00	Ea.			
585	<p>Design, supply, fabrication, and installation of custom-made chandelier as per approved design, drawings, and specifications, complete with decorative framework in metal/glass/crystal or combination as specified. The fixture shall be fitted with LED lamps/modules providing uniform and glare-controlled illumination.</p> <p>The chandelier shall have suitable CCT as specified, CRI ≥80, and long service life. The item shall include all components such as suspension system, canopy, drivers, wiring, and fixing accessories.</p> <p>The scope includes installation, connection to power supply Sockets, testing, and commissioning complete as directed by the Engineer-in-charge.</p>	14.00	Ea.			

586	<p>Providing and supplying of Philips 24 Volts DALI Dimmable LED Driver or approved equivalent, suitable for LED lighting systems with DALI/automation compatibility IEC 62386 dimming interface, POver Factor > 0.95 ,THD < 10 %,1% to 100 % dimming Range. The driver shall support smooth dimming control, stable output performance, and protection against short circuit, overload, and overheating. (IS 10322, BIS, RoHS compliant Fixtures)</p> <p>The driver shall be complete with necessary control interface, wiring terminals, and mounting accessories as required.</p> <p>The item includes supply, installation, wiring connection to Strip Lights, testing, and commissioning complete as directed by the Engineer-in-charge.</p>	256.00	Ea.			
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(A) Total Tendered Amount

(B) Rebate on above tendered amount (if any) % (in figure)

(in words).....

(C)Net Tendered Amount (A-B) (in figure)

(in words).....

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- 1 The Contractor shall exhibit a board with detailed specification and details of work as directed by the Engineer-In-Charge for which no extra payment shall be made.
- 2 The labourcess will be deducted as per prevailing rules i.e. 1% of the work done.
- 3 GST and Income tax TDS will be deducted at a source while making payments of bills
In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt. G.R.: PRC-10/2017 Cement Consumption/16/C
- 4 Date:11/05/2017 as stated in S.O.R. therefore in R.C.C. items where there is a change as per actual mix design the cost of difference of cement consumption have been deducted from the rate of original item at the rate of input rate mentioned in all the tender.
- 5 The Credit of dismantled material shall be recovered from R.A. Bills Rs. 2917744.23

**Deputy Executive Engineer
Shahibaug (R&B) Sub Division
Ahmedabad**

**Executive Engineer
Ahmedabad City (R&B) Division
Ahmedabad**

	Credit of Dismantled Materials					
587	Door	135.00	Each	800.00	Eight hundred rupees only	108000.00
588	Window	151.00	Each	450.00	Four hundred fifty rupees only	67950.00
589	Ventilator	56.00	Each	150.00	One hundred fifty rupees only	8400.00
590	C.I Pipe	106.00	Rmt	166.10	One hundred sixty six rupees and ten paise only	17606.60
591	Water Closet	15.00	Each	1271.19	One thousand two hundred seventy one rupees and nineteen paise only	19067.85
592	Wash basin	19.00	Each	402.54	Four hundred two rupees and fifty four paise only	7648.26
593	Sink	1.00	Each	889.83	Eight hundred eighty nine rupees and eighty three paise only	889.83
594	Kotah stone	96.28	Sq.Mt	198.31	One hundred ninety eight rupees and thirty one paise only	19093.29

595	GI Sheet 7850 kg/m3	328.00	KG	45.55	Forty five rupees and fifty five paise only	14940.40
596	Steel	1736.00	KG	44.51	Forty four rupees and fifty one paise only	77269.36
597	TMT Bar	46366.24	KG	50.88	Fifty rupees and eighty eight paise only	2359114.29
598	Brick	172.00	Cu.M	1000.00	One thousand rupees only	172000.00
599	Brick Bats	335.00	Cu.M	136.61	One hundred thirty six rupees and sixty one paise only	45764.35
Twenty Nine Lakh Seventeen Thousand Seven Hundred and Forty Four Rupees And Twenty Three Paise only						2917744.23

Deputy Executive Engineer
Shahibaug (R&B) Sub Division
Ahmedabad

Executive Engineer
Ahmedabad City (R&B) Division
Ahmedabad