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I. TENDER FORM FOR CIVIL WORKS

Name of the Work: Construction of Site office for RGCA's GIFT project at Manikoda Village, Krishna District in Andhra Pradesh.

S No	Description of the items	Quantity	Rate per Unit	Amount
1	Earth work excavation for foundations (Manual Means) of buildings in ordinary rock (not requiring blasting) and depositing on bank with an initial lead of 10m and depth up to 3m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., and overheads & contractors profit complete for finished item of work excluding dewatering charges etc.,	13.02 cum		
2	Filling with useful available excavated earth (excluding rock) with a lead of 50 m in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick, watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., and overheads & contractors profit complete for finished item of work	12.88 Cum		
3	Filling with carted gravel in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick, watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., and overheads & contractors profit complete for finished item of work	103.22 Cum		
4	Filling with carted coarse sand in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick, watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., and overheads & contractors profit complete for finished item of work	103.22 Cum		
5	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations using coarse aggregate 40mm size hard, machine crushed granite from approved quarry using concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site including all charges for machine mixing and hire charges of concrete mixer, laying concrete in foundations and under flooring bed, ramming in 15 cm layers finishing top surface to the	2.69 Cum		

	required level curing etc., and overheads & contractors profit complete for finished item of work.			
6	Plain Cement Concrete (1:5:10) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry using concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site including all charges for machine mixing and hire charges of concrete mixer, laying concrete in foundations and under flooring bed, ramming in 15 cm layers finishing top surface to the required level curing etc., and overheads & contractors profit complete for finished item of work.	32.30 cum		
7	Auguring and boring holes 300mm dia. and 5.00m depth with double under-ream for cast in situ piles in hard black soils and other ordinary soils as per IS 2911-1980 and as per approved design, including shoring, shuttering, sheeting, planking and dewatering etc., including cost and conveyance of all materials and all labour charges and tools and plants etc., complete for finished item of work and putting Reinforced Cement Concrete M 25 grade Design mix using a minimum quantity of 380 kgs. of cement per 1 cum of concrete using WEIGH BATCHER / MIXER using 20mm gauge (SS5) graded hard granite machine crushed metal aggregate (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc. to site and cost of all materials, including watering, machine mixing, labour charges for laying concrete etc., complete but excluding cost of steel and its fabrication charges etc., complete for finished item of work. for piles	84 RM		
8	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with cement content of 380 kgs per 1 cum of concrete using weigh batcher / mixer with 20mm size graded machine crushed hard granite metal (coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site, centering using steel scaffolding pipes , jack props , wallers , foot plates , brackets , steel centering plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, vibrating, curing etc., and overheads & contractors profit complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) -do- for pilecap	2.55 Cum		
9	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with cement content of 380 kgs per 1 cum of concrete using weigh batcher / mixer with 20mm size graded machine crushed hard granite metal (coarse	11.40 cum		

	aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site, centering using steel scaffolding pipes , jack props , wallers , foot plates , brackets , steel centering plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, vibrating, curing etc., and overheads & contractors profit complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) -do- for Plinth Beam			
10	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with cement content of 380 kgs per 1 cum of concrete using weigh batcher / mixer with 20mm size graded machine crushed hard granite metal (coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site, centering using steel scaffolding pipes , jack props , wallers , foot plates , brackets , steel centering plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, vibrating, curing etc., and overheads & contractors profit complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) -do- for Columns for First Floor	8.56 Cum		
11	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with cement content of 380 kgs per 1 cum of concrete using weigh batcher / mixer with 20mm size graded machine crushed hard granite metal (coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site, centering using steel scaffolding pipes , jack props , wallers , foot plates , brackets , steel centering plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, vibrating, curing etc., and overheads & contractors profit complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) -do- for Lintels for First Floor	0.88 Cum		
12	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with cement content of 380 kgs per 1 cum of concrete using weigh batcher / mixer with 20mm size graded machine crushed hard granite metal (coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse	24.85 RM		

	aggregate, water etc., to site, centering using steel scaffolding pipes , jack props , wallers , foot plates , brackets , steel centering plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, vibrating, curing etc., and overheads & contractors profit complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) -do- for 0.60 m Wide Sunshades with 75 mm thickness at Fixed End and 50 mm Thickness at Free End for First Floor			
13	Plain Cement Concrete (1:3:6) nominal mix using 20mm size graded machine crushed hard granite metal (coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry using concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity including cost and conveyance of all materials like cement, fine aggregate(sand), coarse aggregate, water etc. to site including all charges for machine mixing, hire charges of concrete mixer, laying concrete in position, curing etc., & lift charges , and overheads & contractors profit for bed blocks & hold fasts for finished item of work.	0.29 Cum		
14	Reinforced Cement Concrete M 20 nominal mix using 12mm size hard granite machine crushed graded metal (coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry, using a minimum quantity of 330 kgs. of cement per 1 cum of concrete using concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site including centering, shuttering, labour charges such as weigh batching, machine mixing, hire charges of concrete mixer, laying concrete, lift charges, curing etc., and overheads & contractors profit complete for finished item of work (APSS No. 402 & 403) for platforms and shelves. -do- for 50 mm Thick Lofts & Platforms	13.50 Sqm		
15	Reinforced Cement Concrete M 20 nominal mix using 12mm size hard granite machine crushed graded metal (coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry, using a minimum quantity of 330 kgs. of cement per 1 cum of concrete using concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site including centering, shuttering, labour charges such as weigh batching, machine mixing, hire charges of concrete mixer, laying concrete, lift charges, curing etc., and overheads & contractors profit complete for finished item of work (APSS No. 402 & 403) for platforms and shelves. - for 25 mm thick Racks	6.75 Sqm		
16	Brick masonry with CM (1:6) prop: (cement : sand) using second class bricks from approved source having minimum crushing strength of 40 Kg/Sqcm. including cost and conveyance of all materials like cement, sand, bricks, water	15.48 Cum		

	etc., to site, including seigniorage charges, sales & other taxes on all materials and such as labour charges, like mixing cement mortar, constructing masonry, lift charges, curing, etc., complete for finished item of work. (APSS No. 501 & 504) for Basement, Steps & Kerb Walls			
17	Brick masonry for panel walls in superstructure with CM (1:8) prop: (cement : sand) using second class bricks from approved source having minimum crushing strength of 40 Kg/Sqcm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, including seigniorage charges, sales & other taxes on all materials and such as labour charges, like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing, etc., complete for finished item of work. (APSS No. 501 & 504).for First Floor	71 Cum		
18	Providing High Strength Deformed steel bars (Fe 500 grade as per IS 1786-1979) of different dia meter, including labour charges for cutting, bending to required sizes and shapes placing in position with cover blocks of approved size and tying with binding wire , forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars from approved sources to site of work, including all wastages such as overlaps couplings, welded joints, chairs, spacer bars including cost and conveyance of cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying etc., complete for finished item of work	2.00 MT		
19	Providing Mild steel bars (Fe 250 grade as per IS 432) of 6 mm diameter, cutting, bending, to required sizes and shapes placing in position with cover blocks of approved size and tying with binding wire, forming grills for reinforcement work as per approved designs and drawings including cost and conveyance of bars from approved sources to site of work, including cost and conveyance of cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying etc., including all wastages such as overlaps couplings, welded joints, chairs, spacer bars and sales & other taxes on cost of all materials ,complete for finished item of work. (APSS No.126) in all floors.	0.20 MT		
20	Plastering 20mm thick single coat in CM(1:5) including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, curing as directed by Engineer-in-charge etc., complete for finished item of work for exterior faces upto Basement & Steps	57.20 Sqm		
21	Plastering 20mm thick in two coats with base coat of 16mm thick in CM(1:6) and top coat of 4mm thick in CM(1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, including	246.14 Sqm		

	seigniorage charges, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, curing as directed by Engineer-in-charge etc., and Overheads & Contractors profit complete for finished item of work for super structure .(SS 901,903 & 904) (BLD-CSTN-8-8) for exterior faces of 23 cm wide walls. for First Floor			
22	Plastering 12 mm thick in two coats with base coat of 8mm thick in CM(1:6) and top coat of 4mm thick in CM(1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, curing as directed by Engineer-in-charge etc., complete for finished item of work for super structure .(SS 901,903 & 904) (BLD-CSTN-8-8) for all interior faces of walls at First Floor	287.05 sqm		
23	Ornamental plastering to ceiling 12mm thick Single coat with CM(1:3) including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for finished item of work. (SS 901,903 & 904) at First Floor	18.24 Sqm		
24	Flooring with non-skid Double charged / multi charged stain free full body porcelain vitrified tiles with double layer pigment of size 600 x 600 mm and thickness between 8-10 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs with borders and design as per the approved flooring pattern as directed by the Engineer-In -Charge, laying tiles using spacers of 2mm thick, set over a base coat of CM (1:8) prop. 12mm thick using screened sand over CC bed already laid or RCC roof slab , including neat cement slurry of honey like consistency spread @ 3.3 kgs per sqm. and jointed neatly with white cement paste to full depth mixed with pigment of matching shade including cost and conveyance of all materials like cement, sand, water, tiles, white cement etc., to site (excluding cost of C.C. bed) including cost of base coat and all labour charges for mixing of cement mortar, laying tiles to required slope as directed by the Engineer- in-charge etc., and overheads & contractors profit complete for finished item of work.	208 Sqm		
25	Flooring with non-skid red or white full body Ceramic floor tiles of size 300 mm x 300 mm and thickness between 7-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs as approved by Engineer-in-charge, set over base coat of cement mortar (1:8), 12mm thick using screened	17.24 Sqm		

	sand over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3 Kgs per sqm & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, screened sand , water and tiles etc., and overheads & contractors profit complete for finished item of work.			
26	Providing skirting to internal walls to 10 cm height with Soluble salt porcelain vitrified tiles screen printed and polished of 8 to 10mm thick of any colour and finish in all shades and designs, length equal to flooring tiles, set over base coat of CM(1:5) 12 mm thick using screened sand with cement slurry of honey like consistency spread at the rate of 3.30 kgs per sqm and jointing with white cement paste mixed with pigment of matching shade to full depth, including cost of all materials like tiles, cement, sand and water etc., and overheads & contractors profit complete for finished item of work.	69.09 RM		
27	Providing Dadoing to walls with plain coloured back ground glazed tiles 1st quality of size300x200mm with borders as approved by Engineer-in-Charge set over base coat of CM(1:5) 12 mm thick with cement slurry of honey like consistency spread at the rate of 3.30 kgs per sqm and jointing with white cement paste mixed with pigment of matching shade to full depth, including cost of all materials like tiles, cement, sand and water etc., complete including seigniorage charges etc., complete for finished item of work.	53.28 Sqm		
28	Painting with one priming coat and two coats of plastic emulsion Grade-I paint to Exterior faces of new walls including cost and conveyance of materials like Plastic Emulsion paint of Grade - I to site including cost of brushes, scaffolding charges, lift charges and labour charges such as preparing the wall, applying three coats of Plastic Emulsion etc., complete for finished item of work	295.34 Sqm		
29	Painting with one priming coat and two coats of plastic emulsion Grade-I paint to Interior faces of new walls including cost and conveyance of materials like Plastic Emulsion paint of Grade - I to site including cost of brushes, scaffolding charges, lift charges and labour charges such as preparing the wall, applying three coats of Plastic Emulsion etc., complete for finished item of work	287.05 Sqm		
30	Painting to new wood work and flush shutters with lappam finish over a primary coat and painting two coats of synthetic enamel paint 1st grade of approved brand and shade including cost and conveyance of all materials to site cost of primer coat and all labour charges etc. complete including applying sand paper on lappam coats for neat finish including sales & other taxes on cost of all materials etc. complete	25.74 Sqm		
31	Providing 110 mm Dia ISI marked PVC down water take pipes with socket , 4.0kg/sq.cm pressure of ISI marked including	9 Rm		

	cost of necessary PVC Bends, shoes, iron / PVC clamps and all other accessories and fixing in position including cost and conveyance of all materials, sales & other taxes on materials to site, operational & incidental charges including all labour charges for fixing at site etc., complete for finished item of work.			
32	Supply and fixing WPC (Wood Plastic Composite) Solid Door frame of size 100 mm x 65mm solid door frame including fixing the frame to wall with anchor bolts / Hold Fasters including cost and conveyance of all materials and labour charges etc. Complete for finished item of work.	3.15 Sqm		
33	Supply and fixing of 28 mm thick WPC (Wood Plastic Composite) solid plain shutter factory made including fixing of MS Powder coated Aluminum fixtures such as 3 No. Butt Hinges 150mm Height, 1 Nos., Tower bolts 150mm long , 2 No., Aluminum long Handles 125mm long per each shutter and - 1Nos., Aldrop & 1 No. of Flat Latch of required size including fixing the door shutter to frame for finished item of work	3.15 Sqm		
34	Supply and fixing WPC (Wood Plastic Composite) Solid Door frame of size 100 mm x 65mm solid door frame including fixing the frame to wall with anchor bolts / Hold Fasters including cost and conveyance of all materials and labour charges etc. Complete for finished item of work.	5.04 Sqm		
35	Supply and fixing of 28 mm thick WPC (Wood Plastic Composite) solid plain shutter factory made including fixing of MS Powder coated Aluminum fixtures such as 3 No. Butt Hinges 150mm Height, 1 Nos., Tower bolts 150mm long , 2 No., Aluminum long Handles 125mm long per each shutter and - 1Nos., Aldrop & 1 No. of Flat Latch of required size including fixing the door shutter to frame for finished item of work	5.04 Sqm		
36	Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge	15.60 SQM		

	<p>inclusive of cost of Single / double glass panes, wire mesh and silicon sealant . Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.</p> <p>Two track two panels sliding window made of frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension (Area of window up to 1.75 sqm).</p>			
37	<p>Providing and fixing factory made uPVC white colour fixed glazed windows / Ventilators comprising of uPVC multi chambered frame and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame shall be mitre cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge inclusive of cost of Single / double glass panes and silicon sealant. Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted. But, no extra payment on this account shall be made. Fixed windows / Ventilators made of (small series) frame 47 x 50mm & mullion 47 x 68 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension.</p>	0.81 SQM		
38	<p>Supplying and fixing of Pre-painted Galvalume Trapezoidal Profile Roofing sheets with 0.50mm thickness, Coating: Alu-Zinc coating AZ150 GSM. Tensile Strength: 550 MPA. Paint coating: Regular Modified Polyester painting. Painting Thickness (Top): 18 to 20 Microns, (Bottom): 5 to 7 Microns. Sheet Width: 1.020, Length: Maximum 12 Meters with Regular Range Colours fixed with G.I 'J' bolts & nuts 8 mm dia with bitumen & G.I limpet washers filled with white lead & including a coat of approved steel primer and two coats of approved paint on over lapping of sheets complete (up to a pitch of 600) etc., complete, excluding the cost of purlins, rafters, trusses including cost and conveyance of all materials , labour charges , overheads and contractors profit etc., complete for finished item of work in all floors.</p>	572 SQM		

39	Supplying and fixing of Pre-painted Galvalume Trapezoidal Profile Roofing sheets with 0.50mm thickness, Coating: Alu-Zinc coating AZ150 GSM. Tensile Strength: 550 MPA. Paint coating: Regular Modified Polyester painting. Painting Thickness (Top): 18 to 20 Microns, (Bottom): 5 to 7 Microns. Sheet Width: 1.020, Length: Maximum 12 Meters with Regular Range Colours fixed with G.I 'J' bolts & nuts 8 mm dia with bitumen & G.I limpet washers filled with white lead & including a coat of approved steel primer and two coats of approved paint on over lapping of sheets complete (up to a pitch of 600) etc., complete, excluding the cost of purlins, rafters, trusses including cost and conveyance of all materials , labour charges , overheads and contractors profit etc., complete for finished item of work in all floors for rain water gutter	1 Job		
40	Supplying and fixing of MS Trusses & Perlines including cost and conveyance of all materials, cutting, bending, welding, all operational charges, labour charges, overheads and contractor profit etc., complete for finished item of work.	3500 Kgs		
41	Supplying and fixing of MS doors, grill to windows / in open court yards using MS angles, flat, square bars including cost and conveyance of all materials, cutting, bending, welding, all operational charges, labour charges, overheads and contractor profit etc., complete for finished item of work.	450 Kgs		
42	Supply and fixing of cement bonded pre-laminated particle boards aluminum glazed partitions using 10mm cement bonded pre-laminated particle boards and 5.00 mm thick plain glass to full height. Using with LAM to a height of 0.91 meter at bottom panel and remaining height with glass and aluminum sections anodized to 12 to 15 microns and of sections of size 37mm x 62mm and 1.5mm thickness with one meter centre to centre duly fixed with clip beading on both sides including fixing the frame to pillars by M.S. flats, bolts and nuts including cost and conveyance of all materials etc., complete as directed during execution and overheads & contractors profit etc., complete for finished item of work	147.45 Sqm		
43	Supply and fixing powder coated aluminium fully glazed swing door as per the approved drawing with fixed fan light of 500mm height at top door using aluminium sections of 101.60 mmm x 44.45mm , 1.5 mm thick for frame and door shutter made of styles , top and middle rail of 47.62mm x 44.45mm , 1.5 mm thick and bottom rail of 114.30mm x 44.45 mm , 1.5mm thick,powder coating of aluminium sections 25mm microns thick, 5 mm thick plain float glass fitted with suitable aluminium glazing clips and rubber beading in fan light portion, double shutters fitted with 5mm thick frosted / ground glass in the top half and MDF Board: interior-Both Side Laminated -12 mm thick in the bottom half fitted with suitable aluminium glazing clips and rubber beading, shutters mounted on double action hydraulic floor spring of approved brand manufacture IS : 6315 marked ,	8.40 sqm		

	<p>Hardwyn make M-3000 for doors including cost of cutting floors as required , embedding in floorsand SS cover plates with brass pivot and single piece MS Sheet outer box with slide plate etc. complete(Weight Capacity up to 130 Kgs) as approved by Engineer-in-Charge including supply and fixing ISI marked powder coated aluminium fixtures of 3 Nos. of butt hinges (IS:205) of 150mm long(for each shutter), 4 Nos. tower bolts 10mm bolt (IS:204) 300mm long , 4 Nos.alluminium handles (IS:208) 150mm dia and 2 Nos. aldrops (IS:2681) 300mm long including labour charges for manufacturing door , fixing the door with required No. of screws etc., including overheads complete for finished item of work. (The Aluminium section used shall be standard make confirming to IS 1948 – 1961)) (1000mm x 2100mm)</p>			
44	<p>Supply and fixing powder coated aluminium fully glazed swing door as per the approved drawing with fixed fan light of 500mm height at top door using aluminium sections of 101.60 mmm x 44.45mm , 3.18 mm thick for frame and door shutter made of styles , top and middle rail of 47.62mm x 44.45mm , 3.18 mm thick and bottom rail of 114.30mm x 44.45 mm , 3.18mm thick, powder coating of alluminium sections 25mm microns thick, 5 mm thick plain float glass fitted with suitable aluminium glazing clips and rubber beading in fan light portion, double shutters fitted with 5mm thick frosted / ground glass in the top half and MDF Board: interior-Both Side Laminated -12 mm thick in the bottom half fitted with suitable aluminium glazing clips and rubber beading, shutters mounted on double action hydraulic floor spring of approved brand manufacture IS : 6315 marked , Hardwyn make M-3000 for doors including cost of cutting floors as required, embedding in floors and SS cover plates with brass pivot and single piece MS Sheet outer box with slide plate etc. complete(Weight Capacity up to 130 Kgs) including supply and fixing ISI marked powder coated aluminium fixtures of 3 Nos. of butt hinges (IS:205) of 150mm long(for each shutter), 4 Nos.tower bolts 10mm bolt (IS:204) 300mm long , 4 Nos. alluminium handles (IS:208) 150mm dia and 2 Nos. aldrops (IS:2681) 300mm long including labour charges for manufacturing door , fixing the door with required No. of screws etc., complete for finished item of work. (The Aluminium section used shall be standard make confirming to IS 1948 – 1961) (1500mm x 2600mm)</p>	3.15 Sqm		
45	<p>Supply and fixing Door closers including cost and conveyance of all materials , labour charges , overheads and contractors profit etc., complete for finished item of work in all floors.</p>	9 Sqm		
46	<p>Providing and fixing in true horizontal level 15 mm - Mineral Fiber Ceiling tile of 595 x 595 (Square edge Fissure fine model) using hot dipped Galvanized Steel section exposed surface with pre-coated capping, main Tee of size 24 x 32 mm at every 1200 mm c/c maximum and rotary stitched cross tee of size 24 x 27 mm at every 600 mm c/c and sub-</p>	242 Sqm		

	cross tee of size 24 mm x 25 mm at 1200 mm c/c and wall angle of size 19 x 19 mm fixed to periphery of the wall and the above grid is suspended at every 1200 mm c/c in both directions using 2.0 mm thick pre-straightened GI Wire including cost and conveyance of all materials and labour charges such as cutting , fixing of standing of frame work exposing roof making, overheads & contractor profit etc., complete for finished item of work in all floor in all floors.			
47	Supply and fixing Work stations for staff room including cost and conveyance of all materials , labour charges , overheads and contractors profit etc., complete for finished item of work in all floors.	400 Sft		
48	Providing and laying of precast concrete blocks for paving of M-40 grade and thickness not less than 80 mm for medium traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification including cost and conveyance cost of all materials like cement, sand water and Pavers etc., Complete per drawings and technical specification clause 1504 MORD including cost and conveyance of all materials and all labour charges, overheads and contractor profit etc., complete for finished item of work.	44 Sft		
49	Painting two coats with synthetic enamel paint Grade-I VOC (Volatile Organic Compound) content less than 50 grams/litre to new iron work including cost and conveyance of all materials to site, incidental, operational and all labour charges etc., and overheads complete for finished item of work in all floors. Enamel paint for trusses & grills & front beautification	1 Job		
50	Supply and Fixing of 15.90 mm dia. Ashirvad/ Ajay/ Astral Flow guard or equivalent CPVC Pipes and Fittings to meet the requirement of ASTM-D 2846 and are produced in CTS (Copper Tube Sizes 1/2" ton 2" Ashirvad Flowgurard SDR 11 and SDR 13.5 pipes are made from identical CPVC compounds having the same physical Properties for Hot and Cold Water (IS 15778:2007) including cost of pipes & fittings and all labour charges etc. complete for finished item of work.	45 RM		
51	Supply and Fixing of 22.20 mm dia. Ashirvad/ Ajay/ Astral Flowguard or equivalent CPVC Pipes and Fittings to meet the requirement of ASTM-D 2846 and are produced in CTS (Copper Tube Sizes 1/2" ton 2" Ashirvad Flowgurard SDR 11 and SDR 13.5 pipes are made from identical CPVC compounds having the same physical Properties for Hot and Cold Water (IS 15778:2007) including cost of pipes & fittings and all labour charges etc. complete for finished item of work.	25 Rm		
52	Supply and Fixing of 28.60 mm dia. Ashirvad/ Ajay/ Astral Flowguard or equivalent CPVC Pipes and Fittings to meet the requirement of ASTM-D 2846 and are produced in CTS (Copper Tube Sizes 1/2" ton 2" Ashirvad Flowgurard SDR 11	25 RM		

	and SDR 13.5 pipes are made from identical CPVC compounds having the same physical Properties for Hot and Cold Water (IS 15778:2007) including cost of pipes & fittings and all labour charges etc. complete for finished item of work.			
53	Supply and Fixing of 41.3 mm dia. Ashirvad/ Ajay/ Astral Flowguard or equivalent CPVC Pipes and Fittings to meet the requirement of ASTM-D 2846 and are produced in CTS (Copper Tube Sizes 1/2" ton 2" Ashirvad Flowgurard SDR 11 and SDR 13.5 pipes are made from identical CPVC compounds having the same physical Properties for Hot and Cold Water (IS 15778:2007) including cost of pipes & fittings and all labour charges etc. complete for finished item of work.	50 RM		
54	Supplying and fixing of 110 mm dia. SWR PVC pipes (as per ISI standards) 4 Kg/Sq.cm. and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc. complete for finished item of work at all floor levels. sewage lines	30 RM		
55	Supplying and fixing of 75 mm dia. SWR PVC pipes (as per ISI standards) 4 Kg/Sq.cm. and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc. complete for finished item of work at all floor levels. for Waste Water Lines	12 RM		
56	Supplying and fixing 25 mm dia. Gunmetal Gate (GM peet) valve as per IS-778 Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges , complete for finished item of work.	3 Nos		
57	Supplying and fixing 40 mm dia. Gunmetal Gate (GM peet) valve as per IS-778 Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges , complete for finished item of work.	4 Nos		
58	Supplying and fixing of SWG Gully traps 150mm x 100mm of ISI make confirming to IS 651 & 4127 with C.I grating & constructing cement brick masonry in CM (1:6) prop., intermediate chamber and fitted with 304.8 mm X 288.6 mm (12"x9") C.I Frame with hinged cover of standard make as approved including cost and conveyance of all materials to site, labour charges, overheads & contractors profit etc., complete for finished item of work.	6 Nos		
59	Supplying & Fixing 110 mm (4") PVC Nahany trap 1st quality with CP grating, black painted for all floors including cost and conveyance of all materials to site, labour charges etc., complete for finished item of work.	6 Nos		

60	Constructing 457.2 mm x 457.2 mm (1'6"x1'6") brick in CM 1:6 prop. Masonry. Inspection chamber up to 914.4 mm (3'0") and fitted with light weight 457.2 mm x 457.2 mm (1'6"x1'6") C.I frame and cover of 20 Kg. including cost and conveyance of all materials and all labour charges etc. complete for finished item of work.	6 Nos		
61	Supply & fixing white glazed European water closet with variety as approved by Engineer-in-charge, P" or S" trap with 4" CI outlet pipe of approved make, plastic seat and lid for EWC and rubber buffers as per ISI 2548 1963 with and 10 lit capacity PVC slimline low level flush tank Parityware or equivalent with internal components and fixed with wooden gutties with required size nails, 32mm dia short CP bend, 12mm PVC connections with brass union nuts and 12.70 mm (1/2")NP Angle Coack Seiko or equivalent of heavy duty , complete including cost and conveyance of all materials to site, for finished item of work for all floors.	2 Nos		
62	Supplying and fixing 580mm x 440mm long Orissa pan white glazed Water Closet 1st quality ISI marked confirming to IS:2556-Part-3-1981 with "P" or "S" trap Hindware / Parryware / Neycer with brick - ISI mark and providing masonry seat, CC squatting plate and 10 lit. capacity PVC slimline low level flush tank Parryware or equivalent with internal components fixed on 2 Nos. of teak wood blocks of size 76.20mm x 101.60mm using required size of nails, screws as approved by Engineer-in-charge , CP long bend , 12.70mm PVC connection with brass union nuts CP coated , 31.75mm brass plumber union , 12.70mm NP Angle Coack of heavy duty Seiko or equivalent , P trap or S trap of Indian W.C. shall be encased on CC (1:2:4) 150mm all round well above the joint to stop leakage at the joint etc., complete including cost and conveyance of all materials to site, cost of CC bed, labour charges and seigniorage charges , etc., complete for finished item of work.	1 No		
63	Supplying and fixing Indian make Flat Back Wash Hand Basin (HSW/Parryware/ Neycer) 1st quality conforming to IS:2556-Part-4:1972 of size 550 mm x 400mm with 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 1 No. 15 mm nominal bore Chromium Pillar Tap of 1st quality Indian make 400 grams Seiko/Senior/Nice/ Esso or equivalent complete with standard CI brackets including wooden blocks ,1 No.12.70mm PVC connection with brass union nuts CP coated , 1 No.12.70mm NP Angle Cock of heavy duty Seiko or equivalent , 31.75mm dia. PVC flexible waste pipe 914.4mm length of 1st quality including cost and conveyance of all materials to site, labour charges , for finished item of work	5 Nos		
64	Supplying and fixing NP soap dish heavy type of approved make ISI quality with NP screws etc., complete including cost	5 Nos		

	and conveyance of all materials, labour charges for fixing , for finished item of work in all floors.			
65	Supplying and fixing TV shape mirror with plastic frame of size 609.6mm x 457.2mm , plywood back with NP screws 1st quality including cost and conveyance of all materials, labour charges , for finished item of work in all floors.	3 Nos		
66	Supplying and fixing of 25.4mm dia , 609.6mm long aluminium anodized towel rods with brackets and aluminium screws including cost and conveyance of all materials, labour charges , for finished item of work.	3 Nos		
67	S & F tested NP bib taps (Long Body) at all levels of size 12.70mm dia of Indian make first quality of Indian Make 400 gm heavy type Sieko or equivalent including cost and conveyance of all materials, labour charges etc., complete for finished item of work in all floors.	6 Nos		
68	Supplying and fixing white glazed flat back Bowl urinals of size 440 mm x 265 mm x 315 mm with integral flushing rim fixed with screws complete Indian make (HSW/Parry/Neycer) conforming to IS:2556-1995 as approved by Engineer-in-charge, including supply and fixing 12.7mm PVC connection with brass plumber union nuts CP coated, 12.70mm push cock 1st quality of approved make , 31.75 mm dia PVC flexible waste pipe of 914.4 mm length of 1st quality including cost and conveyance of all materials to site, labour charges ,complete for finished item of work for all floors.	3 Nos		
69	Supplying and fixing of 16mm to 20 mm thick polished marble slab partitions of size 4' 0" x 2' 0" for urinals including full rounding the edges , fixing in position, polishing, including cost and conveyance of all materials and labour charges ,complete for finished item of work for all floors.	4 Nos		
70	Supplying and fixing of Shower including cost and conveyance of all materials and labour charges , complete for finished item of work for all floors.	1 No		
71	Supplying and fixing of Geeser including cost and conveyance of all materials and labour charges , complete for finished item of work for all floors.	1 No		
72	Supplying and fixing Tap wall mixer of size 12.70mm dia of Indian make heavy duty as approved by the Engineer-In-Charge including cost and conveyance of all materials, labour charges , complete for finished item of work in all floors.	1 No		
73	S & F tested NP bib taps (Short Body) at all levels of size 12.70mm dia of Indian make first quality of Indian Make 300 gm heavy type Sieko or equivalent including cost and conveyance of all materials, labour charges etc., complete for finished item of work in all floors.	2 Nos		
74	Providing and placing on terrace (at all floor levels) polyethylene water storage tank with double layer approved brand and manufacture with cover and suitable locking arrangement and making necessary holes for inlet and	2000 Lts		

	outlets and over flow pipes but without fittings and base support for tanks			
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