

GUJARAT MINERAL DEVELOPMENT CORPORATION LIMITED

Annual Maintenance Contract for a period of two years for the Miscellaneous Civil works (Repairs and Maintenance work as an when required) at Colony, Mines and Plant premises at Calcined bauxite project Gadhsisa, Tal: Mandvi , Dist- Kutchh

PRICE BID

It. No.	Item	Qty for two years	unit	Rate in Rs.	Amount
1	Demolition of any type of R.C.C work with TMT bars, any type of plaster, paint, skirting, dedo etc. including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC. (I) R.C.C work.	7.20	cumt		
2	Demolition of brick work & stone masonry with any type of plaster, paint, skirting, dedo etc. including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC. (III) In cement mortar.	7.20	cumt		
3	Dismantling all type of tiles flooring, or stone flooring laid in mortar, any type of flooring with mortar, waterproofing, including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC.	104.00	sqmt		
4	Dismantling aluminium/ Gypsum partitions, ACP cladding, Signages, and false ceiling (ASG, Ecotone, Hilux) including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge. Work complete including all type of tools, tackles, scaffolding etc complete as per instruction of Architect/EIC.	64.00	sqmt		
5	Dismantling any type of doors, windows, ventilators etc. (wood of steel) shutters with chowkhats, architraves, holdfasts, any type of frame and other attachments etc complete and stacking them within all lead and lift. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC. (i) Not exceeding 3 Sq.M in area	40.00	Each		
6	Dismantling barbed wire in fencing including making rolls and also including dismantling fencing posts including all earth work concrete in base and making good the disturbed ground stacking useful materials as directed and disposing as directed and disposing of the unserviceable materials with all lead and lift.as directed by Engineer-in-charge. Work complete including all type of tools, tackles, scaffolding etc complete as per instruction of Architect/EIC.	800.00	Rmt		
7	Remove of existing Fabrication and steel structure including plates, rolled steel joists, channels, angles and all type of accessories etc. including stacking of the materials with all lead and lift. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC. work completed as per existing site conditions work complete as per the instruction of EIC.	24.00	Kg		

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8	Remove of existing sanitary fittings & vessals like basin counter, wash basin, w.c. pan, Indian and Europeon type flushing tank, all type of cock, accessories, all pipe, terrace''s services pipeline etc. including stacking of the materials with all lead and lift. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC. work completed as per existing site conditions work complete as per the instruction of EIC.	30.00	Each		
9	Dismantling C.I. pipes & S.W.pipes abd A.C. rain waterpipes with fittings and clamps including stacking thematerials with all lead and lift (for any dia, of pipe)including stacking of the materials with all lead and lift. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC. work completed as per existing site conditions work complete as per the instruction of EIC.	48.00	Rmt		
10	Scraping oil paint from steel and other metal surface and making the surface even (with Hand Scraping.)including stacking of the materials with all lead and lift. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC. work completed as per existing site conditions work complete as per the instruction of EIC.	4.00	sqmt		
11	Earthwork in excavation by mechanical means (All type of soil) for foundation, footings, walls, retaining walls, rafts, trenches, drains, lift pits, underground sumps, tank, septic tanks, soak well, Box cutting etc. including dewatering the sub-soil water from any source and rain water to keep the excavation dry, removal of slush, dressing of sides and ramming of bottoms, planking, shoring & strutting, removal & disposal of surplus excavated material with all lead & lift. including compaction by using mechanical plate compactor / vibro roller, finished to desire levels all as per excavation plan and foundation drawings to get Modified Proctor Density test (MPD) of 95%., work including mechanical transport inclusive of royalty, statutory fees all permissions & any other incidental expenses etc. complete. i) Up to 1.5 Mtr Depth	336.00	cumt		
12	Filling available excavated earth in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering. Rate to include cost of compaction to achieve at least 95% Proctor Density of refilled excavated earth.Work shall complete as per the instruction of EIC. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC.	50.00	cumt		
13	Earth Filling with murrum or approved quality earth in below flooring, sides of foundation, retaining wall, trenches, lift pits elsewhere directed in layers of not exceeding 150 mm thick including breaking clods, watering, compacting each layer with vibratory compactor and at inaccessible places with wooden/steel rammers to achieve 90-95% proctor density at optimum moisture content, all leads & lifts. Bailing/pumping out of water to keep site dry while back filling ,Cost shall include conveyance of all materials, labor, machinery etc. complete(only good yellow soil/ muurum to be used for filling) Work shall complete as per the instruction of EIC. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC.	16.62	cumt		
14	Filling in plinth with sand under floors including watering ramming, consolidating and dressing complete. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC.	18.00	cumt		

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15	Providing and laying cement concrete 1:4:8 (1- Cement : 4- coarse sand : 8- hand broken stone aggregates 40 mm nominal size) and curing complete. including mixing laying, vibrating, consolidating, leveling and curing etc. complete with all labours and materials with formwork. The item includes finishing the top surface with trowel. Work complete including all type of tools, tackles, labours, formwork, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC. (A) Foundation and Plinth	46.00	cumt		
16	Providing and laying cement concrete 1:3:6 (1- Cement : 3- coarse sand : 6- hand broken stone aggregates 40 mm nominal size) and curing complete. including mixing laying, vibrating, consolidating, leveling and curing etc. complete with all labours and materials with formwork. The item includes finishing the top surface with trowel. Work complete including all type of tools, tackles, labours, formwork, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC. (A) Foundation and Plinth	30.00	cumt		
17	Providing and laying cement concrete 1:2:4 (1- Cement : 2- coarse sand : 4- hand broken stone aggregates 20 mm nominal size) and curing complete. including mixing laying, vibrating, consolidating, leveling and curing etc. complete with all labours and materials with formwork. The item includes finishing the top surface with trowel. Work complete including all type of tools, tackles, labours, formwork, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC. (A) Foundation and Plinth	38.00	cumt		
18	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, excluding the cost of centering shuttering finishing and 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 450 kg)	34.00	cumt		
19	TMT Bars: Providing, straightening, cutting, bending, binding and laying in position of TMT FE 500/500D grade steel reinforcement confirming to IS 1786 : 1990 or latest code, to correct all shape and size as per detailed drawings, specifications for all RCC work etc, at all levels and all heights with necessary chairs and laps; with correct size PVC cover blocks or approved quality concrete cover blocks of same grade of concrete and binding wire of 18 gauge etc. complete with test certificate of the steel bars from manufactures as well as approved laboratory test certificates directed by Engineer in charge, etc. complete. Rate shall be inclusive of binding wire, cover, lap, chair etc. Work shall complete up to any levels, all floor & as per the instruction of EIC.	1300.00	Kg		
20	Form work: Providing and erecting in position form work shuttering & boxing using steel / plywood / props / bracing / scaffolding / ledges and other shuttering materials of approved quality for concrete elements vertical, horizontal or inclined etc. in all shapes as per drawing including necessary scaffolding, bolts/nuts, fastener nails, wires for keeping in position till concrete is laid and concrete have acquired required strength, removal thereafter, applying shuttering oil, hacking etc. in line, level and plumb, all complete as per specification or as directed. At all levels below ground level and up to highest plinth level for all concrete elements of linear shape, size & direction etc., work shall complete up to any levels, all floor & as per the instruction of EIC.	74.00	sqmt		
21	Providing & laying any thick Brick Masonry work using common burnt clay building bricks having crushing strength not less than 35 Kg/Sq. Cm. at all levels in cement mortar 1:6 (1 cement :6 fine sand) - including proper filling of all masonry joints, curing etc. complete. including all type of material, labour, tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC. (II) Conventional brick work	74.00	sqmt		

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22	Providing and laying Half brick masonry in common burnt clay building bricks having crushing strength not less than 35 Kg./Sq. Cm. in cement mortar 1:4 (1 cement : 4 coarse sand) in superstructure - at all floor levels including proper filling of all masonry joints, curing etc. complete. Work complete including all type of tools, tackles, scaffolding etc complete as per instruction of Architect/EIC. The rate includes providing and placing in position 2 Nos 6 mm dia bars at every third course of masonry work.	58.00	sqmt		
23	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering all level and finished even and smooth. including all type of material, labour, tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC. (ii) Cement mortar 1:4 (1-cement :4-sand)	20.00	sqmt		
24	15 mm thick cement plaster : Providing and laying average 15 mm. thick single coat smooth finishing using steel float (mala finish) plaster in CM 1:4 (1 cement : 4 coarse river sand), on brickwork, RCC work, blocks, sills, soffits, jambs etc. at all floors, all levels, all heights, all shapes and for all sizes with necessary scaffolding, curing, chicken mesh at the junction of masonry & RCC work using screw / dhoba nails, making moulded, grooves, drip moulds, tapak, chemical bonding agent etc., for all lead, lift, height and levels etc., complete as per specification and as directed by the EIC. including all type of material, labour, tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC.	40.00	sqmt		
25	20 mm thick Sand Faced Plaster: Providing and applying 20mm thick sand faced plaster (Using Wooden Gutka/Float) to all external surfaces at all levels and in any shape, in two coats, 12 mm thick average base coat in cement mortar 1:5 and 8mm thick finish coat in cement mortar 1:2 using fine sand for finish coat, including preparation of surface to uniform texture, staging, double scaffolding, curing, chicken mesh at the junction of masonry & RCC work using screw / dhoba nails, making moulded, grooves, drip moulds, tapak etc., complete as per specification and as directed by the EIC. including all type of material, labour, tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC.	1360.00	sqmt		
26	Providing cement vata (10cm. x 10 cm. size) quarter round in cement mortar 1:1 including neat cement finishing, watering etc. complete.	46.00	Rmt		
27	Applying two coats of Birla (white cement based) or Asian (acrylic lapy- putty) or equivalent & 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. including all type of material, manpower, labour, tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC.	46.00	sqmt		
28	Interior paint for wall & Ceiling : Providing & laying of three coats with Royale luxury Emulsion paint (soft sheen, with teflon paint) of Asian Paint or equivalent approved brand in shades and colour as directed on wall surfaces to give an even shade incl. scaffolding to at any height with all labour and material after thoroughly brushing the surface & making free from mortar dropings and other foreign matter including surface preparation etc. complete. Including cost of all type of tools, tackles, all labour, materials, transportation, cleaning , at all floor, all level, all depth, all Height, all lead and lift , performance waranty certificate etc. work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	46.00	sqmt		

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29	Exterior Paint : Providing & Finishing outer walls with Apex ultima luxury exterior emulsion paint in 2 coats paint + 2 coat primer with Jotun, Asian, Berger, Nerolac, Indigo approved brand & manufacture to give an even and smooth shade of color of approved shade after scraping of existing water proof cement paint, thoroughly cleaning the walls by water and brushing to remove all dirt and remains of loose materials, up to all level above plinth complete ,scaffolding to any height ,curing etc complete. Including cost of all type of tools, tackles, all labour, materials, transportation, cleaning , at all floor, all level, all depth, all Height, all lead and lift , performance warranty certificate etc. work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	46.00	sqmt		
30	Providing and laying Vitrified tiles 8 to 10 mm thick , 24'' x 24'' in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement :3-coarse sand) finishing with flush pointing in white cement.and jointed with 3mm thick epoxy grouting as per approved make of approved shade and colour in proper line and level as per detailed drawing / instruction and approval by architect. Including cost of all type of tools, tackles, all labour, materials, transportation, cleaning, protection sheet, at all floor, all level, all depth, all Height, all lead and lift, work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	50.00	sqmt		
31	Providing and laying Vitrified tiles 8 to 10 mm thick , 24'' x 24'' in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry and jointed with 3mm thick epoxy grouting as per approved make of approved shade and colour in proper line and level as per detailed drawing / instruction and approval by architect. Including cost of all type of tools, tackles, all labour, materials, transportation, cleaning, protection sheet, at all floor, all level, all depth, all Height, all lead and lift, work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	34.00	sqmt		
32	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6- coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. Including cost of all labour, materials, safety measures, loading, unloading, transportation, cleaning, at all floor, all level, all depth, all Height, all lead and lift etc. complete as per instruction of Architect/EIC. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. (A) 25mm thick.	4.00	SMT		
33	Providing and laying polished kota stone slab 25mm thick in risers of steps,skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1-Cement : 3 coarse sand) and jointed with gray cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. Including cost of all labour, materials, safety measures, loading, unloading, transportation, cleaning, at all floor, all level, all depth, all Height, all lead and lift etc. complete as per instruction of Architect/EIC. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	24.00	SMT		
34	Providing and laying white glazed tiles 6mm thick in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry complete. Including cost of all labour, materials, safety measures, loading, unloading, transportation, cleaning, at all floor, all level, all depth, all Height, all lead and lift etc. complete as per instruction of Architect/EIC. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	24.00	sqmt		

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35	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M200 grade concret 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.	24.00	rmt		
36	White washing with lime on wall surface (two coats) to give an even shade including thoroughly booming the surface to remove all dirt, dust; mortar drops and otherforeign matter.scaffolding to at any height with all labour and material after thoroughly brushing the surface & making free from mortar droplings and other foreign matter including surface preparation etc.complete. Including cost of all type of tools, tackles, all labour, materials, transportation, cleaning , at all floor, all level, all depth, all Height, all lead and lift , performance waranty certificate etc. work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	200.00	sqmt		
37	MS Fabricated Door: Providing Fabrication & erection 3 mm thick M.S. sheet/plate door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces. including CNC cutting/Engraving as per reference image given by Architect. The work includig necessary fabrication work, fittings, fixtures, accessories, pivot, door, handle, lock etc complete. finish with Anti corrosive paint with primer as per approved shade by Architect. The scope includes loading, transportation, unloading and delivery and erection site of all fabricated structures, alignment and welding of all structures true to line, level, plumb and dimension. sample mock shall be approved from Architect/EIC. Shop drawing shall be provided by Contractor. work completed including mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads, at all floors, all levels, all heights and all shapes, all accessorie, protection sheet etc. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. (Preparation Area)	16.00	sqmt		
38	Fabricated work: Providing Fabrication & erection of steel structure as per drawings including materials, consisting of plates, rolled steel joists, channels, angles, chequered plates etc and also rectangular / square hollow steel sections, insert plates in RCC/Brickwork, anchor bolts for steel structure, sleeve pipes, anchor nuts, washers etc, straightening of raw steel if required, fabrication of steel structures with primer and minimum two coats of anti corrosive matt finish paint including preparation of supplementary sketches and detailed bill of materials supply of bolts, nuts, washers, shims, packs, putty, gas, welding electrodes and all other consumables, as required and carrying out surface preparation all complete. The scope includes loading, transportation ,unloading and delivery and erection site of all fabricated structures., alignment and welding of all structures true to line, level, plumb and dimension, including rectification if any, splicing, site assembly all as per technical specifications and drawings, ,all complete. Contactor shall provide stability certificate for the fabrication structure. Rate inclusive of shop drawing. work completed including mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads, at all floors, all levels, all heights and all shapes, all accessorie, protection sheet etc. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	20.00	KG		
39	Painting two coats (excluding priming coat) on new stee land other metal surface with enamel paint, brushing,interior to give an even shade including cleaning thesurface an even shade including cleanicn the surface of all dirt, dust and other foreign matter.Including cost of all type of tools,tackles, all labour, materials, transportation, cleaning , at all floor, all level, all depth, all Height, all lead and lift , performance waranty certificate etc. work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	12.00	sqmt		

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40	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint, interior to give an even shade including cleaning the surface of all dirt, dust and other foreign matter sand papering and stopping.work complete including all type of tools, tackles, formwork, safety measures, loading, unloading, transportation, labour, material, all heights, all levels etc complete as per instruction of Architect/EIC. work complete as per the instruction of EIC.	12.00	sqmt		
41	Providing and fixing to wall ceiling and floor 6.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc.including making good the wall ceiling and floor.(A) 20mm Pipe shall befixed on the wall with the help of clamp at every twometre C/C or shall be concealed as directed includingnecessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent,including costof all materials.	8.00	Rmt		
42	do- as above but for 25 mm dia. O.D. P.V.C. pipe of 6 Kg/cm.2	8.00	Rmt		
43	Providing laying and jointing in true line and level 15mmdia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall befixed on the wall with the help of clamp at every twometre 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 costof all materials.	8.00	Rmt		
44	do asabove but for 25 mm. dia O.D., U.P.V.C. Pipe	8.00	Rmt		
45	do-as above but for 32 mm. dia O.D., U.P.V.C. Pipe	8.00	Rmt		
46	do asabove but for 40 mm. dia O.D., U.P.V.C. Pipe	8.00	Rmt		
47	do-as above but for 50 mm. dia O.D., U.P.V.C. Pipe	8.00	Rmt		
48	do-as above but for 110 mm. dia O.D., U.P.V.C. Pipe	7.20	Rmt		
49	Providing erecting and fixing double coated ISI water tank of required capacity each with all necessary fittings and connection etc. complete on terrace	2000.00	liter		
50	Pro. And fixing single layer water proof gypsum board 12.5 mm thick sections using water proof board of size 1220 mm x 1830 mm x 8.0 mm suspended by GI suspender channel of size 25 mm x 3 mm with intermediate channel og size 18 mm x 40 mm x 0.8 mm at 1220 mm center to center ceiling section of size 40mm x 35 mm x 0.55 mm at 457 mm c/c and perimeterchannel A of size 20 mm x 27 mm x 30 mm x 0.5 mm at edges & drops incl.paper tap sand sofit cleat, anchorfastener, scoch bolt connecting cleat,joining compoundtop coat on ceiling incl.making necy.opening for light fitting,diffuser etc. comp. as per detail drawing as directed	6.00	sqmt		
51	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	6.00	Each		
52	Providing and fixing CP brass 20 mm dia stainless steel 600 mm long towel road with pair of suitable brackets fixed to wall rawl	6.00	NO		
53	Providing and fixing sheet glass, selected quality (Type-C) bedded in putty and fixed with wooden beading including the cost of wooden beadings of first class teakwood and necessary cutting of glass. (1) 5 mm thick.	6.00	sqmt		
54	Providing and fixing 35 mm thick shutters for Doors, windows and clearstory windows including blackenamelled M.S. butt hinges with necessary screws.(A) Indian teak wood. (i) Fully Panelled.	6.00	sqmt		
55	Providing fabricating and erecting in position M.S. Angles, channel, girders etc. for purlines rafters, columns etc. including welding the section as per instruction and drawing making holes and 3 coasts of oil painting of approved shed and make etc complete(All materials shall be brought by the contractor)	100.00	KG		
56	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps. (A) 100mm x 100mm size P type.	6.00	Each		
57	Labour charges for re fixing the old removed GI /PVC pipe line and fixture of 20 to 110 mm. dia. including cutting, threading, fixing,clamping,making hole into ,masonry or rcc work and making good the same etc complete as directed by EIC	7.20	Rmt		

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58	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm ² working pressure poluthene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.including excavation up to 750mm depth,refilling trenches including all necessary fitting like elbow,tee,plug,calmp,water proofing solutionwith giving water tightness test (C) 32mm Pipe shall befixed on the wall with the help of clamp at every twometre C/C or shall be concealed as directed includingnecessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent,including costof all materials.	7.20	rmt		
59	do as above but for 40 mm. dia OD PVC etc. complete	7.20	Rmt		
60	do as above but for 50 mm. dia OD PVC etc. complete	7.20	Rmt		
61	do as above but for 75 mm. dia OD PVC etc. complete	7.20	Rmt		
62	do as above but for 110 mm. dia OØ PVC etc. complete	7.20	Rmt		
63	Providing and fixing 100mm size P or S trap for water closet squatting pan including jointing the trap with the pan and soil pipe in cement Mortar 1:1 (1-Cement : 1-Fine sand)(A) Vitreous China.	24.00	Each		
64	Providing and fixing Urinal or approved quality including conecting the Urinal with waste pipe , tap etc. complete.(A) White earthenware flat back or corner type size 430mm x 260mm x 350mm.	24.00	Each		
65	Providing and fixing flat back wash basin of 550 x 400 mm size in white colour(hindwear,delta, etc) as perrequirement with single hole for pillar taop with CI or MS brackets painted white including cutting holes and making good the same but including fittings like CP brass waste coupling, CP pillar tap brass stop cock, PVC connection pipe PVC drain pipe etc. complete as per instruction of Architect/EIC.	6.00	Each		
66	Providing and fixing EUROPEON TYPE W.C. commode of various patteran including providing & fixing Flush tank of standardmark as approved, necessary 'P' or 'S' trap bends and having plastic ARAM seat with cover fixing with screws with fixtures and connection for flush cock etc. complete including C.I. pipe connection up to manhole chamber for G F and up to outside wall for other floor with bends etc. complete in working condition as directed as per instruction of Architect/EIC.	16.00	Each		
67	Providing and fixing ceramic Lab sink of size 24 x 18 x8 inch ,product dim 45.7 x61 x20.30 cm ,glossy rectangular, base width 24 inch hindwear,delta, etc approved make with MS or CI brackets painted white including cutting holes and making good the walls and floors wherever required with 32 mm dia CP brass Waste Coupling & M.I. fisher union etc complete as per instruction of Architect/EIC.	6.00	Each		
68	Providing and laying and fixing AC corrugated sheets 6 mm th of IS standard quality like Lotus, Everest or equivalent make for roofing cladding at all hight , including the corners cutting the sheets with saw and drilling the holes with side laps 150mm to 200 mm including GI coach bolts 8mm dia , bitumen washer (everest or equivalent) with 6mm central hole etc and using template as suggested by manufacture to ensure proper side laps including removing damaged sheets laid on existing roof or side cladding of all heghts as directed by engineer in charge.	11.00	sqmt		
69	Grouting and sealing of cracks in masonry, plaster slab, floor, and any R.C.C. with standard approved binding materials of pidilite or sikkaCutting out cracks of roof terrace to V- section , cleaningout, wetting , grouting with cement and sand slurry 1:3(1-cement 3-sand).	20.00	RMT		
70	Providing and Fixing Door closer of make GEZE,Alu Alpha, Dorma or equivalent as per the directions of engineer incharge	20.00	NO		

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71	Providing and fixing 150mm wide 450mm over all semicircular plain G.I.sheet class- 3 gutter with Iron brackets 40mm x 3mm size Bolts, Nuts, washers etc. including making necessary connection with rain water pipes. (i) 0.80 mm thick Sheet. Including cost of all type of tools, tackles, scaffolding, all labour, materials, transportation, Finishing, accessories, silicon sealent if required,. Work complete for at all floor, all level, all depth, all Height, all lead and lift etc. work complete as per the Detailed specification, shop drawing, approved sample, instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	50.00	sqmt		
72	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	50.00	Rmt		
73	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 35 mm 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. work complete including all type of tools, tackles, formwork, safety measures, loading, unloading, transportation, labour, material, all heights, all levels etc complete as per instruction of Architect/EIC. work complete as per the instruction of EIC.	20.00	sqmt		
74	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M250 grade concret as per approved design and including excavation for fixing in proper line and level,filling the	20.00	sqmt		
75	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.(D) 300mm	10.00	rmt		
76	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.(G) 600mm	4.00	rmt		
77	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.(K) 1000mm	4.00	rmt		
78	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 arrangements for inside and outside locking with push-pull operation including the cost of hood cover and spring etc. complete.(A) Shutters having width below 3.5M.	4	sqmt		
79	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 127mm x 38.10mm x 1.35mm @wt. 1.384kg/m, horizontal Four track member size 122.20mm x 31.75mm x 1.10mm@ wt 1.205 kg/m, vertical member of size 122.20mm x31.75mm x 1.50mm @1.398 kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm@ 0.456kg/mt ,vertical member of size 40mm x 18mm x 1.29mm @ 0.456 kg/mt with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.	4	sqmt		
80	Providing and fixing standared extruded of alluminium section of size 63mm x 38.10mm x 1.2mm @ Wt. 0.643 Kg/mt with colour anodized alluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation	4	sqmt		
81	Providing and fixing G.I. inlet connection for flush pipe with W.C. Pan	4	Each		

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82	Providing and fixing plastic seat and cover for washdown water closer with C.P. brass hinges and rubberbuffers. (B) Black plastic seal and cover.	4	Each		
83	Providing and fixing 600mm x 120mm glass shelf with C.P. brass bracket and guard rail complete mixed to wooden plug with C.P. brass screws.	4	Each		
84	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (i)15mm dia.	4	Each		
85	Providing and fixing Gun metal check or non-return fullway wheel valve.(B) 20mm dia.	4	Each		
86	Providing and fixing Gun metal check or non-return fullway wheel valve.(D) 32mm dia.	4	Each		
87	Providing and fixing 1.20 Metre high fencing with 2.0 Metre long M.S. Angle posts 40mm x 40 mm x6 mm and oil painting 3 coats fixed at 2.5 Mt,C/c. with five	20	Rmt		
88	Providing and fixing 30mm thick FACTOR MADE FULLY GLAZED SOLID PVC DOOR SHUTTER consisting of frame made out of M.S. tube of 19m gauge thickness and size of 19mm x 19mm for styles and 15mm x 15mm for top, lock and bottom rails M.S. frame shall have a coat of steel primer of approved make and manufacture, M.s. frame shall be covered with 5mm thick heat moulded PVC 'C' channel of size 75mm x 30mm x 50mm out of which 10mm shall be bent at 90 degree towards innerside on front face of the door forming stiles. For top rail and bottom rail, M.S. frame shall be covered with 5mm thick, 100mm wide PVC sheet out of whch 10mm shall be bent of 90 degree towars inner side on front face of the door. M.S. frame at lock rail shall be covered with 125 mm wide PVC sheet out of which 10mm on both the edges shall be bent at 90 degre on front face of the door and 75mm wide PVC sheet shall cover the M.S. frame at top, lock and bottom rail on side of door, 5mm thick 20mm wide cross PVC sheet as gap insert for tp and bottom rail.PVC sheet beading of 15mm thck (5mm x 30, 15mm wide to be stuck, internally with solvent cement adhesive in stiles and rails. Glass panel will be fitted externally in the clear space available between the stiles and rails and fixed between PVC sheet of stiles and rails bent at 90 degree on front face and 15mm x 10mm 'L' shape outer beading nailed on stiles and rails at the backside. So that the 'L' shape PVC beading can be removed when required for replacement of broken glass etc. complete as per direction of Engineer in charge andmanufacture's specification.	20	sqmt		
89	Providing and fixing full height Printed PVC partition system 50mm thick PVC partition consisting of 40mm sandwich PVC panel made out of 36mm high density expanded polystyred shet (EPS Thermocol) stuck on the both side with 2mm thick printed PVC sheet reinforced with frame work made from 35mm x 5mm M.S. angle. IN between two M.S. angles 4mm thick printed heatmoulded PVC C channel of size 50mm x 100mm with feathered, edges shall be fixed on floor and 50 x 75 mm with feathered edges printed PVC C channel shall be fixed in the ceiling, Sandwich PVC panel shall be inserted in the PVC C channel. The first and last M.S. angle should be erected such that it is inside a PVC C channel of size 50 x 75mm In between adjoining EP sandwiched PVC partition panel 4mm thick x 75mm width printed PVC sheet feathered at edges shall be suck on front and back face using solvent cement. If the, height of partition exceeds 8 feet; then 15mm x 30mm M.S. tube is welded horizontally at the joint of panels in between two vertical angels 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.	16	sqmt		
90	Providing and fixing and replacing fly proof PVC jali of standard qulity with velcro on wooden frame and net fixing with brass nails,steaching etc.	240	sqmt		
	Total				