

BOQ Civil AMC

SL No.	Service	Long Text	QTY	Unit
Excavation/Earth work and allied work				
10	4002261	SERVICE TYPE: EARTH EXCAVATION OF SOIL, TYPE: ORDINARY, DEPTH: 0 TO 1.5 M	2,000.00	M3
20	4002270	SERVICE TYPE: EARTH EXCAVATION OF SOFT ROCK, DEPTH: 0-2.5 M, EXCAVATION IN ALL TYPES OF SOFT WEATHERED ROCK INCLUDING DEWATERING, DEPOSITING/STACKING OF USEFUL MATERIALS AS REQUIRED, BACKFILLING WITH APPROVED EXCAVATED STUFF, WELL WATERED, COMPACTED, TRANSPORTING OF SURPLUS EXCAVATED MATERIAL FOR BACKFILLING OR STACKING OR SPREADING OR REMOVAL OF SURPLUS EXCAVATED EARTH WITHIN A BASIC LEAD OF 100 METER, AS DIRECTED	20	M3
30	4002223	SERVICE TYPE: EXCAVATION IN HARD ROCK, DEPTH: 0-2.5 M, EXCAVATION IN ALL TYPES OF HARD WEATHERED ROCK INCLUDING DEWATERING, DEPOSITING / STACKING OF USEFUL MATERIALS AS REQUIRED, BACKFILLING WITH APPROVED EXCAVATED STUFF, WELL WATERED, COMPACTED, TRANSPORTING OF SURPLUS EXCAVATED MATERIAL FOR BACKFILLING OR STACKING OR SPREADING OR REMOVAL OF SURPLUS EXCAVATED EARTH WITHIN A BASIC LEAD OF 100 METER	20	M3
40	4071922	SERVICE TYPE: EXCAVATION IN HARD ROCK, DEPTH: 0-2.5 M, EXCAVATION IN ALL TYPES OF HARD WEATHERED ROCK INCLUDING DEWATERING, DEPOSITING / STACKING OF USEFUL MATERIALS AS REQUIRED, BACKFILLING WITH APPROVED EXCAVATED STUFF, WELL WATERED, COMPACTED, TRANSPORTING OF SURPLUS EXCAVATED MATERIAL FOR BACKFILLING OR STACKING OR SPREADING OR REMOVAL OF SURPLUS EXCAVATED EARTH WITHIN A BASIC LEAD OF 100 METER	2	M3
50	4053314	Providing sand backfilling	600	M3
60	4053312	Providing good murrum and backfilling	60	M3
70	4078403	CISE,Cleaning grass and remove of the rubbish within plant premises as directed by EIC.	20	M2
80	4055413	CISE,Clearing of the site and roughly dressing the same using mechanically operated devices, including removal of the roots and disposing and stacking all debris as directed by EIC upto lead of 1000 mtr (For all civil, plumbing & electrical works).	200	M2
90	4078402	Providing and laying of live sod of perennial turf farming grass on out side slopes, including furnishing of all materials to be incorporated in the works including all leads and lifts, all labour, tools and equipment and incidentals all as directed by Engineer/Owner for ash bund and raw water storage reservoir.	100	M2
Concrete and allied work				
10	4053459	P/L PCC Grade M 7.5 incl shutter	200	M3
20	4031282	LAYING PCC M10	20	M3
30	4031283	Providing all materials and laying plain cement concrete as leveling course, saddle concrete or complete encasing, wherever required including formwork, sufficient curing as directed by site engineer etc.Laying PCC M 15	200	M3
40	4004617	SERVICE TYPE: PROVIDING AND LAYING REINFORCED CEMENT CONCRETE, GRADE: M25, AGGREGATE SIZE: 15 MM	400	M3
50	4004737	SERVICE TYPE: PROVIDING OF CONCRETE, REINFORCED CEMENT CONCRETE, GRADE: M-25 WITH DOWN AGGREGATE: 20 MM SHALL BE MACHINE MIXED, VIBRATED AND PLACED TO CORRECT LINE AND LEVEL, RATE INCLUDE STEEL /PLYWOOD FORMWORK AND STEEL SCAFFOLDING, CURING AND ALL TOOL, SLUMP: 120 MM AND 0.5 W/C IS MAXIMUM PERMISSIBLE, REINFORCEMENT STEEL IS MEASURED SEPARATELY.	600	M3
60	4004642	CISE,Providing and laying in position reinforced cement concrete of mix 1:1.5:3 (sq.m0) with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, lintles, retaining walls, walls (any thickness), columns etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.	600	M3
70	4078400	taging works with scaffolding pipes as per standard. Centering and shuttering including strutting ,propping , scaffolding etc. and remove of form work complete as directed by EIC	400	M2
80	4067573	Supplying, providing and laying cement screed of varying thickness (min 25mm to maximum 125 mm thick) with 10 mm down graded coarse aggregate over cast in situ /precast RCC surface including curing, etc as directed by Engineer for the following mixes	10	M3
90	4067574	Providing, laying DPC course 40 mm thick with Cement conc. 1:2:4(1 cement:02 C sand:4 graded stone aggregate 12.5 mm nominal size) with approved water proofing compound including curing ,vibration ,form work as required etc. complete.	10	M3

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100	4002879	SERVICE TYPE: PROVIDING AND FIXING OF PRECAST TRENCH COVER, PROVIDING AND FIXING PRECAST REINFORCED CONCRETE CABLE TRENCH COVERS, DR AIN COVERS, FENCING POST, PAVING BLOCKS ETC OF CLASS M25 CONCRETE W/C 0.5 (MAX) INCLUDING SHUTTERING, VIBRATING, MACHINE MIXING, PRO VIDING LIFTING ARRANGEMENTS, PLACING INSERTS CURING HANDLING, TRANSPORTING, ETC. COMPLETE WITH 30 MM DOWNGRADED AGGREGATES. (CEMENT CONSUMPTION 7.9 BAG/M3)	40	M3
110	4053431	Supply fix Kerb stones	1,000	EA
120	4053465	Provide Grouting incl materials	10	M3
130	4078570	Pressure grouting work on concrete structure or water storage structure to prevent leakage including supplying of grouting chemical , cement ,and pressure grouting mech . Etc as per direction of EIC.	200	NO
140	4115141	Supplying and fixing in position anchor bolts with washers and nuts of required shape & size 6mm to 30 mm dia. with necessary thread length including fixing templates etc.(Templates will not be paid for)	100	KG
150	4002890	SERVICE TYPE: PROVIDING MS BAR, DIAMETER: 8 MM -14 MM, PROVIDING ALL THE MATERIALS INCLUDING BINDING WIRES, CLEANING, BENDING, CUTTI NG, HOISTING, PLACING IN POSITION, LAPPING AND BINDING WITH 16 SWG ANNEALED SOFT IRON WIRE OR TACK WELDING REINFORCEMENT STEEL FOR A LL TYPES OF RCC WORK IRRESPECTIVE OF LOCATIONS & LEVELS ALL AS PER DRAWINGS INCLUDING HANDLING AND TRANSPORTING FROM SITE STORES COM PLETE AS DIRECTED	10	TO
160	4002891	SERVICE TYPE: PROVIDING MS BAR, DIAMETER: 16 MM AND ABOVE, PROVIDING ALL THE MATERIALS INCLUDING BINDING WIRES, CLEANING, BENDING, C UTTING, HOISTING, PLACING IN POSITION, LAPPING AND BINDING WITH 16 SWG ANNEALED SOFT IRON WIRE OR TACK WELDING REINFORCEMENT STEEL F OR ALL TYPES OF RCC WORK IRRESPECTIVE OF LOCATIONS & LEVELS ALL AS PER DRAWINGS INCLUDING HANDLING AND TRANSPORTING FROM SITE STORES COMPLETE AS DIRECTED	10	TO
170	4032825	SERVICE TYPE: PROVIDING HUME PIPE, SIZE: 300 MM, WITH 1:3:6 BEDDING	800	M
180	4079996	Supplying, providing, laying concrete Hume pipe dia 600mm including joint properly.	40	M
190	4113985	CISE, lifting, transporting and fixing existing precast slab thickness up to 100mm thick at any where inside plant premises in proper line and level etc. all completed as directed by EIC.	20	M2
200	4113990	CISE, Supplying, providing and fixing anchor fasteners (up to 16mm dia)of approved make in beam ,columns and slabs including scaffolding, drilling holes etc. completed as per manufacturers or as directed by EIC.	50	NO
210	4113991	ISE, Application of 75mm thick.(minimum) lean cement concrete mix(1:2:2) using 6mm size stone aggregate & dry sand by Gunning method over the dressed surface in two layer including the cost of 4mm dia weld wire mesh 100mm size etc. as directed by EIC.	20	M2
220	4113992	CISE, Supplying, Providing and laying 50mm thick granolithic floor finish conforming to IS.5491 including preparation of surfaces, levelling, curing, paneling with 5mm thick glass strip etc. complete, all as per specifications.	200	M2
230	4113993	CISE, lifting, transporting and fixing existing old kerb stone any where inside plant premises including the cost of grouting with PCC (M15) etc. all completed as directed by EIC.	1000	NO
	4112733	CISE,PU PRESSURE GROUTING	2	NO
	4190997	CISE,Epoxy injection grouting work	2	M
		Masonry and allied works		
10	4053341	Rubble Masonry	10	M3
20	4031290	RUBBLE MASONRY IN CEMENT MORTAR 1:5	10	M3
30	4052523	Brick masonry	1,000.00	M3
40	4052366	Prov Int. plaster-12mm	4,000	M2
50	4052703	Plaster-20mm thk	4,200	M2
60	4052367	Prov Ext. plaster-20mm	4,200	M2
70	4055450	CISE,Providing and laying average 6 mm thick single coat mala finish plaster in CM 1:4, on RCC surfaces viz. ceilings and stair soffits etc. at all floors, all shapes and all heights with necessary scaffolding, curing, making grooves, forming pattas, hacking properly RCC surface etc. complete as directed by the Engineer-in-charge (for all civil, plumbing & electrical work).	200	M2
80	4078569	Providing & applying cement punning as directed by EIC and as per industry standards.	400	M2
90	4006625	SERVICE TYPE: PROVIDING AND FIXING OF GRANITE	10	M2
100	4055340	CISE,Providing & laying approved quality mirror finished light and/or dark grey, black or brown granite of approved shade, thickness 18 mm., as per design and in required sizes (not exceeding 1.5 m. x .6 m.) and shapes, including necessary cement mortar bedding in 1:2. (Only finished granite work shall be measured). The rate includes rounding, champhering and mirror polishing of edges and for all heights.	10	M2

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110	4004764	SERVICE TYPE: PROVIDING AND FIXING OF POLISHED MARBO GRANITE TILE, FIRST QUALITY POLISHED MARBO GRANITE TILES IN FLOOR AND DADO OF APPROVED COLOUR LAID TO LINE AND LEVEL ON CEMENT MORTAR BEDDING, FLOATED WITH CEMENT ETC. COMPLETE	10	M2
120	4078567	Providing and laying 80mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction and of approved size and design / shape laid in required color and pattern over 75mm thick PCC filling the joints with CM 1:4 including curing etc. as complete job as direction by Owners and Engineers.	60	M2
130	4002930	SERVICE TYPE: PROVIDING AND FIXING OF KOTAH STONE, TYPE: FLOORING, SIZE: 25 MM, (MACHINE CUT AND MACHINE POLISHED) WITH NECESSARY CEMENT MORTAR BEDDING, FLOATING WITH MATCHING COLOUR CEMENT, CURING, MACHINE POLISHING, CLEANING ETC. COMPLETE. (CEMENT CONSUMPTION 0.25 BAG/M2)	20	M2
140	4006578	SERVICE TYPE: PROVIDING AND FIXING OF CERAMIC TILE, TYPE: NON SKID	20	M2
150	4032795	SERVICE TYPE: PROVIDING AND LAYING OF WHITE COLOURED CERAMIC TILES, TYPE: SKIRTING AND DADO, SIZE: 200 X 300 X 6 MM, OF FIRST QUALITY (OF BELL, JOHNSON, SOMANI, EQUIVALENT) IN SKIRTING AND DADO LAID ON A BED OF 8MM THICK PLAIN CEMENT POINTING IN WHITE CEMENT JOINTING WITH WHITE CEMENT SLURRY ETC	20	M2
160	4078566	Vitrified Floor Tiles:(size 500X500mm & below) -Providing and laying vitrified floor tiles(approved brand) in different sizes with water absorption less than 0.08% ,all colours and shades, laid on 20mm thick cement mortar 1:4(1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc. complete.	20	M2
170	4078565	Vitrified Floor Tiles(size 600X600mm & above):-Providing and laying vitrified floor tiles(approved brand) in different sizes with water absorption less than 0.08% ,all colours and shades, laid on 20mm thick cement mortar 1:4(1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc. complete.	20	M2
180	4002260	SERVICE TYPE: PROVIDING AND LAYING OF DRY RUBBLE PITCHING, PROVIDING ALL THE MATERIALS AND LAYING 225 MM THK. DRY RUBBLE PITCHING AT ALL HEIGHTS TO CORRECT LINE AND LEVEL	40	M2
190	4078564	Sorting, transporting ,providing rubble stone pitching, 230 mm thick with flat stone(Stock at company stock yard), on sloping ground by properly arranging and placing the rubble stones to achieve a plane top surface, including providing and laying gravel, quarry spalls underneath and manually packing the voids with rubble chips etc. complete	40	M2
200	4079329	CISE, Supplying, providing and laying Fly Ash flat Brick setting in Cement mortar 1:4 using mortar in 6mm gap filling between bricks at all level and location and as directed by EIC. Compressive strength of Flyash bricks should not be less than 5MPa	400	M2
210	4079997	Supplying, providing & applying crack seal on crack surface including chipping the crack area. The crack portion to be filled with crack seal properly.	400	M
	4210517	CISE, Making Pavement with tested concrete	200	M2
		Building Repair and Painting works		
10	4055427	CISE, Providing 13 mm thick plain-faced cement plaster at all levels in cement mortar 1:4 (5 kg of cement per square meter of plastered surface) on the internal / external faces of masonry and R.C.C. surfaces at all levels including scaffolding as required, curing, including providing plastic of Paris punning etc, complete	200	M2
20	4055425	CISE, Providing and laying acid and alkali resistant tiles 38 mm thick as per IS4860 in flooring in dosing areas. set in 6 mm thickness potassium silicate mortar conforming to IS 4862 part II after laying bitumen primer as IS 158 and 12 mm thick bitumen layer as per IS 9510 and IS 412 all as per specification.	100	M2
30	4148518	CISE, Laying and fixing ceramic existing old unglazed vitreous acid/ alkali tiles in flooring and wall (Existing tile size 150mm X 150mm X 20mm thick) over 30 mm thick 1:3 acid resistance cement (10Kg/m ²) mortar bedding including racking of joints, filling and flush pointing with acid / alkali resistant cement mortar 1:3(including the Cost of Acid resistance cement and filler)	50	M2
40	4078933	Racking out joint in lime or cement mortar and preparing the surface for repointing or re-plastering ,including disposal of rubbish to the dumping area within plant premises.	10	M2
50	4034333	SERVICE TYPE: SCRAPPING, SAND PAPERING AND CLEANING OF FRENCH POLISH, ALL THE EXPOSED WOODEN SURFACES & APPLYING 1ST COAT OF FRENCH POLISH FILLING THE HOLES & CREVICES WITH BEES WAX & AGAIN RUBBING DOWN WITH 120 OR 150 NO. SAND PAPER & APPLYING 2ND COAT OF FRENCH POLISH & FINISHING COAT OF FRENCH POLISH INCLUDING PROVIDING ALL MATERIALS TOOLS WITH NECESSARY STAINERS ETC. COMPLETE AS APPROVED AND DIRECTED	50	M2

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60	4078899	Supplying ,painting on GI/MS/AL sheets with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade and application as per manufacturer's recommendations. Including scaffolding ,cleaning surface etc.Synthetic enamel paint on GI,MS,AL 2 coat up to 5m	20	M2
70	4078901	upplying ,painting on GI/MS/AL sheets with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade and application as per manufacturer's recommendations including scaffolding ,cleaning surface etc. Synthetic enamel paint on GI,MS,AL 2 coat above 5m	20	M2
80	4078898	Supplying providing and applying to wall with water base acrylic emulsion paint of approved manufacture and of approved colour and shade including scaffolding etc complete as directed by EIC and application as per manufacturer's recommendation.including scaffolding ,cleaning surface etc. Acrylic emulsion paint 1 coat upto 5m.	100	M2
90	4078893	Acrylic emulsion paint 1 coat above 5m. Supplying providing and applying to wall with water base acrylic emulsion paint of approved manufacture and of approved colour and shade including scaffolding etc complete as directed by EIC and application as per manufacturer's recommendation.including scaffolding ,cleaning surface etc.	100	M2
100	4078891	Acrylic emulsion paint 2 coat upto 5m. Supplying providing and applying to wall with water base acrylic emulsion paint of approved manufacture and of approved colour and shade including scaffolding etc complete as directed by EIC and application as per manufacturer's recommendation.including scaffolding ,cleaning surface etc.	2,000	M2
110	4078892	Acrylic emulsion paint 2 coat above 5m. Supplying providing and applying to wall with water base acrylic emulsion paint of approved manufacture and of approved colour and shade including scaffolding etc complete as directed by EIC and application as per manufacturer's recommendation.including scaffolding ,cleaning surface etc.	2,000	M2
120	4078890	Supplying providing and laying Four course water proofing treatment with bitumen felt over roof consisting of first and third course of blown bitumen 85/25 or 90/15 conforming to IS 702 applied hot @1.45 kg/m2 of area for each course and 2nd course of roofing felt type 3 grade-1 (hessian base self finished bitumen felt)and 4th and final course of stone grit 6mm and down size or pea sized gravel spread at 6 m3 /sqm including preparation of surface. etc. completed as per direction of EIC.	10	M2
130	4078889	Providing and fixing APP(atactic polypropylene polymer) modified prefabricated 5 layer , 3mm thick waterproofing membrane ,black finished reinforced with glass fiber matt. Consisting of a coat of membrane@0.4 l/m2 by the same membrane manufactured of density at 25 degree c. ,0.87-0.89 kg/l and viscosity 70-160 cps over the prime coat shall be laid using butane torch and sealing all joint including surface preparation. the laying of membrane shall be got done through the authorized applicator .	10	M2
140	4120870	Supplying ,Providing and and applying 03mm thick epoxy resin floor coating of approved colour on the top of freshly laid concrete floor or over existing concrete floor as per manufacturer's specifications including all preparations , levelling ,finishing ,curing ,etc. complete as per specification	10	M2
150	4078992	Providing and applying plaster of Paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete including scaffolding, tools tackles complete.(up to 5m height)	1,000	M2
160	4078991	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete including scaffolding, tools tackels complete.(Beyond 5m ht)	1,000	M2
170	4078989	Supplying ,providing ,and applying to exterior surface of walls with two or more coats of water proofing cement base paint ,(approved manufacture and of approved colour and shade) over a coat of primer including scaffolding and staging etc complete as directed by EIC(Beyond 5m ht)	40	M2
180	4078988	Supplying ,providing ,and applying to surface of walls with two or more coats of lime wash paint ,(approved manufacture and of approved colour and shade) with mixing of blue and glue including scaffolding and staging etc complete as directed by EIC	400	M2
190	4078987	Supplying ,providing ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work including scaffolding ,cleaning surface etc complete as directed by EIC(upto 5m ht)	200	M2
200	4078986	Supplying ,providing ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work including scaffolding ,cleaning surface etc complete as directed by EIC(beyond 5 m)	60	M2
210	4079043	Aluminum paint of approved brand 2 coat on new/old work. Supplying,providing,painting with aluminum paint of approved brand and manufacture to give an even shade. Two coat on new/old work.	50	M2
220	4079042	Black anti-Corrosive bit mastic paint 2 coat on new/old work. Painting with Black anti-Corrosive bit mastic paint of approved brand and manufacture to give an even shade. Two coat on new/old work.	50	M2

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230	4055323	CISE,Providing & applying three coats of External 100% Acrylic Paint "Apex" (One coat of primer recommended by the manufacturer + 2 coats of paint) from Asian paint or equivalent with brush on exterior surfaces, at all heights & all places including scaffolding, to give even shades including thoroughly brushing the surfaces free from mortar dropping and other foreign matter and sand paped smooth etc complete as per the manufacture's specification & to the satisfaction of Engineer in charge	2,000	M2
240	4083491	Providing & applying high performance epoxy based Poly amide cured painting system of approved colour & shade on all structural steel components fabricated from rolled steel with cover plates such as column, beams, bracings, plate girders, etc. of all shapes and sizes, consisting of zinc silicate primer, intermediate(under) coat, finish coat & final finish coat, including cleaning of steel surface of all size & shapes for loose mill scale, rust, grease, dirt & other foreign matter manually using wire brush, sand paper, power tools etc. at all levels and as per the approved procedure and manufacturer's including all labour, material, consumable equipment, handling, transportation, safety, PPE's, scaffolding and staging, testing, etc. all complete, as per specifications, drawings and instruction of the Engineer in Charge. 1) Cleaning of structural steel surface as specified above and applying inorganic Zinc silicate primer of minimum 75 micron (DFT) shall be of inorganic (ethyl) self curing high built (solid by volume minimum 60%) formulation as per BS : 5493 (Inorganic zinc rich systems). 2) Applying intermediate (under) coat over inorganic zinc silicate primer, consisting of minimum 75 micron DFT epoxy based Titanium dioxide/micaceous iron oxide pigmented high performance (solid by volume 60%) epoxy coating as per BS : 5493 (two pack chemical resistant finishes). 3) Applying finish coat over intermediate (under) coat, consisting of minimum 75 micron DFT epoxy	100	TO
	4084723	P&A Etch Primer in Building	200	M2
	4233389	P/A Acrylic Emulsion paint	200	M2
		Dismantling and allied works		
10	4079039	Demolishing Cement concrete manually /by mechanical means including disposal of material within plant area. Nominal concrete(1:2:4) M15 or richer mix.	20	M3
20	4079038	Demolishing Cement concrete manually /by mechanical means including disposal of material within plant area. Nominal concrete(1:4:8) M10 or leaner mix.	20	M3
30	4052349	Demolish RCC (inc. cutting Reinf)	20	M3
40	4079037	Nominal concrete(1:4:8) M10 or leaner mix. Demolishing RCC work any grade manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within plant area as directed by engineer in charge Demolishing RB(reinforced block) work manually / by mechanical means including stacking of steel bar and disposal of unserviceable material within plant area.as directed by engineer in charge	20	M3
50	4053338	Demolish brickwork & removal of debris	20	M3
60	4079035	Extra for scrapping ,cleaning and straightening scrap reinforcement bar from RCC and RB	20	KG
70	4052314	Demolishing rubble masonry @ all heights	20	M3
80	4079033	Dismantling tile(25mm thk & below) work in floors and roofs laid in cement mortar including stacking material within Plant area as directed by EIC.	20	M2
90	4079032	Dismantling tile(above 25mm thk) work in floor & roof laid in cement mortar including stacking material within Plant area as directed by EIC.	20	M2
100	4079092	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within plant premises as directed by EIC.	20	M2
110	4079091	Dismantling GI sheet roofing including ridges,hips,valleys and gutters etc., and stacking the material within plant premises as directed by EIC.	20	M2
120	4079088	Dismantling Asbestos sheet roofing including ridges,hips,valleys and gutters etc., and stacking the material within plant premises as directed by EIC.	200	M2
130	4053434	DismantlePCC	60	M3
140	4079086	Dismantling precast concrete /stone slab (Thickness above 40mm up to 75mm) in wall ,partition wall etc. including disposal of same material within plant premises.	40	M2
150	4079221	Dismantling Water bound macadam road manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within plant premises as directed by EIC.	100	M2
160	4079222	Dismantling Bituminous road manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within plant premises as directed by EIC.	80	M2

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170	4079220	Dismantling cement Hume pipes up to 600mm dia. including excavation & refilling trenches after taking out the pipes manually/by mechanical means & stacking the pipes within plant premises.	20	M2
180	4079219	Dismantling cement Hume pipes above 600mm dia. including excavation & refilling trenches after taking out the pipes manually/by mechanical means & stacking the pipes within plant premises.	20	M2
190	4079218	Dismantling old plaster or skirting raking out joints & cleaning the surface for plaster including disposal of rubbish to the dumping ground within plant premises.	40	M2
200	4079217	Dismantling aluminum/gypsum partition ,door ,window, fixed glazing and false ceiling including disposal of unserviceable material and stacking serviceable material within plant premises as directed by EIC	40	M2
210	4210332	removal and refixing of Tiles	200	m2
		Roof -S. structure and allied work		
10	4079197	1 mm thick with zinc coating not less than 275 gm/m2. Providing corrugated G.S sheet roofing including vertical/ curved surface fixing with polymer coated J or L hooks , Bolts and Nuts 8 mm dia with bitumen and GI limpet washer or with GI impel washer filled with white lead ,including a coat of approved steel primer and two coat of approved paint on overlapping of sheets complete (up to any pitch in horizontal /vertical or curved surfaces)excluding the cost of purlins ,rafter and trusses and including cutting to size and shape wherever required	2	M2
20	4079196	G.S sheet roofing 0.80mm thk zinc coating 275 gm/m2. Providing corrugated G.S sheet roofing including vertical/ curved surface fixing with polymer coated J or L hooks , Bolts and Nuts 8 mm dia with bitumen and GI limpet washer or with GI impet washer filled with white lead ,including a coat of approved steel primer and two coat of approved paint on overlapping of sheets complete (up to any pitch in horizontal /vertical or curved surfaces)excluding the cost of purlins ,rafter and trusses and including cutting to size and shape wherever required.	2	M2
30	4079195	G.S sheet roofing 0.63mm thk zinc coating 275 gm/m2. Providing corrugated G.S sheet roofing including vertical/ curved surface fixing with polymer coated J or L hooks , Bolts and Nuts 8 mm dia with bitumen and GI limpet washer or with GI impet washer filled with white lead ,including a coat of approved steel primer and two coat of approved paint on overlapping of sheets complete (up to any pitch in horizontal /vertical or curved surfaces)excluding the cost of purlins ,rafter and trusses and including cutting to size and shape wherever required.	2	M2
40	4079179	Providing corrugated plain G.S sheet 0.63 mm thick roofing including vertical/ curved surface fixing with polymer coated J or L hooks , Bolts and Nuts 8 mm dia with bitumen and GI limpet washer or with GI impet washer filled with white lead ,including a coat of approved steel primer and two coat of approved paint on overlapping of sheets complete (up to any pitch in horizontal /vertical or curved surfaces)excluding the cost of purlins ,rafter and trusses and including cutting to size and shape wherever required.	400	M2
50	4079181	Providing ridges or hips of width 60 cm overall width plain GS sheet fixed with polymer coated J or L hooks ,bolts and nuts 8mm dia GI limpet and bitumen washers complete.0.80mm thick with zinc coating not less than 275 gm/m2.	30	M
60	4079180	Providing valleys of 90mm wide overall in plain GS sheet fixed with polymer coated J or L hooks ,bolts , and nuts 8mm dia. GI limpet and bitumen washers complete. 1.6mm thick with zinc coating not less than 350 gm/m2.	40	M
70	4079193	Providing and fixing 15 cm wide ,45cm overall semi-circular plain GS sheet gutter with iron bracket 40 X 3 mm size ,bolts , nuts and washers etc. including making necessary connection with rain water pipe. 0.80mm thick with zinc coating not less than 275 gm/m2.	20	M
80	4079192	Providing and fixing 15 cm wide ,45cm overall semi-circular plain GS sheet gutter with iron bracket 40 X 3 mm size ,bolts , nuts and washers etc. including making necessary connection with rain water pipe. 0.63mm thick with zinc coating not less than 275 gm/m2	20	M
90	4079190	Structural steel work of approved specification and as per relevant IS code, riveted, bolted or welded in built up section , trusses and framed work, including cutting, hoisting, fixing in position and applying of priming coat of approved steel primer all complete .	400	KG
100	4079178	Structural steel work of approved specification and as per relevant IS code, in single section , fixed with or without connecting plate, including cutting, hoisting ,fixing in position and applying a priming coat of approved steel primer all complete.	3,000	KG
110	4079189	Providing and fixing in position collapsible steel shutters with vertical channels 20*10*2mm and braced with flat iron diagonals 20x 5 mm size , with top and bottom rails of T iron 40 X 40X 6 mm ,with 40 mm dia. Steel pulleys , complete with bolts, nuts, locking arrangement , stoppers , handles including applying a prime coat of approved steel primer.	2	M2
120	4079188	Providing and fixing 01 mm thick MS steel sliding shutter with frame and diagonal braces of 40 X40X6 mm angle iron ,3mm MS gusset plate at the junctions and corners ,25 mm dia. Pulley ,40X40X6 mm angle and T iron guide at top and bottom respectively, including applying prime coat of approved steel primer.	2	M2

SL No.	Service	Long Text	QTY	Unit
130	4079187	Supplying and fixing rolling shutters of approved make , made of required size M.S laths, interlocked together through their entire length and jointed together at the end by end locks , mounted on specially designed pipe shift with bracket , side guides and arrangement for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from HYST steel wire of adequate st. conforming to IS 4454 (part-1) and MS top cover of required thickness, for rolling shutters.	2	M2
140	4079186	Extra for providing mechanical device like chain and crank operation for operating rolling shutters. Exceeding 10 sq m and upto 16.8 sqm.	2	M2
150	4079185	Extra for providing mechanical device like chain and crank operation for operating rolling shutters. Exceeding 16.8 sq m .	2	M2
160	4004532	SERVICE TYPE: SUPPLY, FABRICATION AND ERECTION OF MS HAND RAILING	1,400	M
170	4052717	Hand railing-GI	40	M
180	4079184	Providing and fixing SS hand rail of approved size by welding etc. to steel ladder railing ,balcony railing ,stair case railing etc. including and applying prime coat of approved steel primer as per specification and as instructed by EIC.	40	KG
190	4079183	Supplying, Providing and installing PVC coated steel chain link fencing (mesh size 50mm, dia of wire 3.15 mm) of height 2400 mm above ground level with 600 mm high galvanized anti-climbing device with barbed wire (8 rows), such that total fence height of 3m above ground level is achieved, including supply of all connectors for fixing the fencing on to angle iron posts (ISA 75 x 75 x 6) spaced at 2.5m intervals and reinforced with 2 struts (ISA 50 x 50 x 6) at every fifth post and at all change in directions including a horizontal member of ISA 50x50x6 at top and bottom of the fencing connected between the vertical posts etc. complete including two coats of red oxide zinc chromate primer on the angle irons, complete as directed by the Engineer.	1,000	M
200	4079182	Repairing of PVC coated chain link fencing((mesh size 50mm, dia. of wire 3.15 mm) of height 2400 mm above ground level with the same material or stock materials.	200	M2
210	4120869	Supplying, detailing ,fabrication ,transporting to site and erecting Structural steel work of approved specification and as per design , in single section		
		Drain cleaning		
10	4093518	Prov. services for cleaning of drains along external roads, rate shall be inclusive of disposal	3750	M
20	4089544	Cleaning of all foreign materials inside concrete made storm water drain of width more than 2.5m	3750	M
30	4089543	Cleaning of all foreign materials inside concrete made storm water drain of width up to 2.5m	3000	M
BOQ for carpentry work				
1	4083683	Door maintenance services	24	MON
2	4082482	CISE,Providing Plain glass of 5.5 mm thk	2	M2
3	4082479	Providing Reinforce Glass(6mm thick of	2	M2
4	4082481	Plain glass (6mm to 10mm thick)	2	M2
5	4082480	Providing Plain glass (Above 10 mm thick	2	M2
6	4083682	Fiber glass upto 6mm thick	2	M2
7	4083471	Refixing old glass penal over existing	2	M2
8	4082478	Ventilator glass 6mm thk ,100mm wide	2	M
9	4083436	Providing hydraulic floor spring of app	2	EA
10	4083437	Provide Brass hydraulic door closer of	2	EA
11	4083447	Power coated aluminum bead tapper clip	2	M
12	4083470	Provide Rubber strip/Seal strip for door	2	M
13	4083442	Power coated aluminum Door /window hinge	2	EA
14	4083429	Providing MS/SS hinge any size (min. 4"	2	EA
15	4083441	CISE, Provide Aluminum door stopper	2	EA
16	4083435	Aluminum top hinge (for floor spring)	2	EA
17	4083440	Brass door latch (250 mm & below)	2	EA
18	4083432	steel based fire proof doors with 2hrs f	20	M2
19	4083433	Providing 100 mm mortise brass locks	2	EA
20	4083434	100mm brass dead lock	20	EA
21	4082476	Lock for glass door(more than 10mm thick	20	EA
22	4083438	Brass door latch of(300mm & above	20	EA
23	4082477	spider connector /square connector for fi	20	EA
24	4083449	Power coated aluminum plate/sheet 5mm th	20	M2
25	4083444	Power coated aluminum tower bolt >9 inch	2	EA
26	4083427	Providing SS/Power coated MS tower bolt	2	EA
27	4083445	Power coated aluminum tower bolt (9" and	2	EA
28	4083446	Power coated aluminum handle	2	EA
29	4083422	Providing SS door handle as per existing	2	EA
30	4083443	Power coated aluminum aldrop	2	EA
31	4083430	Providing SS/ power coated MS aldrop (an	2	EA
32	4083426	Providing MS/SS aldrop of standard size	2	EA
33	4083419	Brass mortise latch & lock 100mm X 65mm	20	EA

SL No.	Service	Long Text	QTY	Unit
34	4083424	Providing brass heavy duty mortise lock	20	EA
35	4083425	Brass heavy duty Dead lock for fire door	2	EA
36	4083416	Decorative wood laminated sheet	2	M2
37	4083423	providing Eye lens as per approved exist	2	EA
38	4083420	Providing MS hold fast for wooden frame	2	EA
39	4083439	PVC doors of Sintex or equivalent make i	20	M2
40	4083418	Brass mortise latch & lock round type	2	EA
41	4083431	Nongalvanised flush type steel door	20	M2
42	4083417	Providing wooden flush door of approved	20	M2
43	4083448	Power coated aluminum Sec. 50 mic thik	2	KG
44	4083428	Prelaminated door handle with latch sys	20	EA
45	4148223	Partly glazed aluminum door powder coate	20	M2
46	4148224	Fully powder coated almn door with frame	20	M2
47	4148225	Sliding window wheels	2	EA
48	4148352	200mm Europrofile Godrej lock with handl	2	EA
49	4083971	Steel window	2	M2
50	4057220	CISE, REPAIRING OF FALSE CEILING	10	M2
51	4131944	Providing & fixing Gypsum FALSE CEILING	10	M2
52	4108637	P/F gypsum grit false ceiling	10	M2

BOQ for Plumbing work

1	4081871	CISE, Maintenance of various Plumbing wo	24	MON
2	4081874	CISE, Removal, rewinding and refixing pu	20	NO
3	4081872	CISE, Removal, maintenance and installat	20	NO
4	4082121	UPVC rainwater pipe OD upto 110mm	2	M
5	4082120	UPVC rainwater pipe OD 110-160mm	2	M
6	4082118	UPVC bend, Shoe, swan neck, union	2	EA
7	4081868	CISE, UPVC clamp for fixing pipe for rai	2	EA
8	4081867	CISE, GI clamp for fixing pipe for rainw	2	EA
9	4081866	CISE, Heavy duty CI gullies 25mm grating	2	EA
10	4082117	UPVC scacket rainwater pipe 140mm above	2	EA
11	4082116	UPVC scacket-rainwater pipe below 140mm	2	EA
12	4082072	laying CPVC pipe upto 15mm OD	2	M
13	4082071	laying CPVC pipe 15-25 mm OD	2	M
14	4082070	laying CPVC pipe 25-50 mm OD	2	M
15	4082069	PVC(TEE,union, bend,socket,Reducer)25mm	2	EA
16	4082066	PVC(TEE,union, bend,Reducer)25 to 50mm	2	EA
17	4082065	Laying GI pipe line up to 15mm	2	M
18	4082064	Laying GI pipe line 15- 25mm dia	2	M
19	4082063	Laying GI pipe line 25-50mm dia	2	M
20	4141945	Laying GI pipe line (above 50 to 100mm #	2	M
21	4141954	GI Tee,union,Socket ,bend etc. upto 25mm	2	EA
22	4141953	GI Tee,union,Socket,bend etc.(> 25m-50mm	2	EA
23	4141944	GI Tee,union,Socket ,bend (>50 to 100mm)	2	EA
24	4082057	Fixing GI reducer tee 20/15	2	EA
25	4082056	Fitting GI reducer tee 40/15	2	EA
26	4082055	GI plug (upto 25 mm)	2	EA
27	4082054	GI plug (> than 25 mm upto 50 mm)	2	EA
28	4082052	Brass fullway gate valve CI wheel 25mm	20	EA
29	4082048	Brass gate valve CI wheel (25-50mm)	20	EA
30	4082046	Brass /gun metal Ball valve (upto 25)mm	20	EA
31	4082043	Brass /gun metal Ball valve(25-50mm)	20	EA
32	4082081	Laying CI pipe (IS:1536) upto 100mm	2	M
33	4082079	Laying CI pipe (IS:1536)fitting(>/ 150mm	20	M
34	4082078	Laying SW pipe (IS:1536) upto 100mm	2	M
35	4082077	Laying SW pipe (IS:1536) fitting >/150mm	2	M
36	4082075	CI Tee,Socket,bend (upto 100mm dia.)	2	EA
37	4082074	CI Tee,Socket,bend (>/ 150mm dia)	2	EA
38	4082073	Provide & fixing CI cowl (Any size)	2	EA
39	4082119	Providing,fixing Brass bib cock 15mm ISI	2	EA
40	4141952	fix. SS Push type bib cock(15mm)	2	EA
41	4082114	CP brass stop cock /Angular cock 15mm NB	20	EA
42	4082113	CP brass bib cock 15mm (One way)	20	EA
43	4082112	CP brass bib cock 15mm (two way)	20	EA
44	4082111	Cp brass towel ring including screw)	2	EA
45	4082109	12mm dia CP towel rail 600mm long	20	EA
46	4082108	600X450mm bevelled edge mirror	2	EA
47	4082107	CP brass pillar cock	20	EA
48	4141950	fix. CP Auto release pushtype pillarcock	20	EA
49	4141949	fixing Water saving Aerator & Restrictor	2	EA
50	4082106	CP brass waste coupling(basin/sink)	2	EA
51	4082105	CP brass bottle trap	2	EA
52	4141948	SS pipe for bottle trap(200 to 400mm L)	2	EA

SL No.	Service	Long Text	QTY	Unit
53	4082104	CP jalli (any size)	2	EA
54	4082103	GI nipple (Upto 25mm/any length)	2	EA
55	4082102	CP nipple (Upto 25mm/any length)	2	EA
56	4082101	CP Cap for bib cock ,angular cock etc	2	EA
57	4082100	1-1.2m CP hand shower/health faucet	2	EA
58	4082099	CP toilet paper Holder	2	EA
59	4082098	WC orissa pan(IS2556)/510X400X165mm	20	EA
60	4082097	Coupled closed type European WC	20	EA
61	4082096	White plastic seat WC lid with CP	2	EA
62	4082095	PVC/GI hinge for seat cover for WC	2	EA
63	4082093	China flushing cistern 10lit	20	EA
64	4082092	PVC Flushing system 10 lits.	20	EA
65	4082091	Syphonic set for flushing system	30	EA
66	4082094	Float valve(OH tank system)	30	EA
67	4082090	White glazed vitreous china hand wash ba	30	EA
68	4082089	white glazed vitreous china partition of	2	EA
69	4141951	White glazed china HB urinal (610X400X3	20	EA
70	4141947	fixing SS Kitchen sink (24"X18")	20	EA
71	4082088	15mm dia inlet copper connection(450mm)	20	EA
72	4082086	15mm dia inlet PVC pipe 450mm long	2	EA
73	4082085	Brass spindle for bib cock/pillar cock e	20	EA
74	4082084	Flexible waste pipe for sink/basin	2	EA
75	4141946	OH 03 layer Syntex water tank (</ 5000L)	2	L
76	4081865	CISE, UPVC trap(P/S)110 X 110 self clea	2	EA
77	4081864	CISE, Sensotronic concealed type flushin	20	EA
78	4081863	CISE, Duracell ultra 245 lithium, 6V 2CR	20	EA
79	4081862	CISE, CP urinal spreader	20	EA
		Road work		
1	4082382	Dry stone rubble soling in pot holes	50	M3
2	4082377	Providing and spreading 100 thick WMM	200	M2
3	4077861	CISE, Granular Sub-Base	200	M3
4	4082376	CISE,100mm consolidated thickness WBM ba	200	M2
5	4082375	bituminous prime coat using bitumen emul	2100	M2
6	4082374	bituminous tack coat with bituminous emu	2100	M2
7	4082373	75 mm bituminous macadam using VG-30(50	2100	M2
8	4082372	50mm premix carpet including seal coat	2100	M2
9	4082370	40mm bitumen mastic wearing course	100	M2
10	4082381	concrete hume pipes 600mm dia	20	M
11	4082380	CISE, P/L of NP1 300mm dia Hume Pipe	20	M
12	4082371	2.5mm hot applied thermoplastic road mar	900	M2