Name of work : Civil & Allied External Development Work for the for Baroda Apex Academy Building at Law Garden, Ahmedabad

Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
	DEMOLISHION & DISMANTLING :					
1	Dismantling of Existing Compound Wall : Demolishing of compound wall with all thickness with or without plastering work including all related R.C.C. / P.C.C. / Foundation work / Reinforce Steel & Structural MS Steel as applicable, if any, manually/ by mechanical means including buy back of serviceable material and disposal of all dismentled materials with all lead and lift & disposable material to be dispose at outside of primises & as per local bodies non objectionable place which must be idendified by the Contractor. with direction of Engineer - in- charge.	Rmt.	300.00			
2	Demolishing brick work manually/ by mechanical means including disposal of serviceable / unserviceable material with all lead & Lift & disposable material to be dispose at outside of primises & as per local bodies non objectionable place which must be idendified by the Contractor. as per direction of Engineer-in-charge.	Cum	10.00			
3	Dismantling & Demolishion of Existing all type of RCC Structures i.e., Slab / Beam / Pardi / Foundtion / Raft including Reinforcement & dismentaled material to be dispose at non objectional places by Client & other Loacal bodies all lead & lift.	Cum	50.00			
	SOIL STRUCTURE :					
4	PILE WORK : Boring with hydraulic piling rigs with power units, providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M-25 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring and the length of the pile to be embedded in pile cap etc. all complete. The rate shall be included of drilling, RCC wroks & disposal of unserviceble material to non objectional places all lead & lift. (Length of pile for payment shall be measured upto to the bottom of pile cap) : 450 MM Dia.	Rmt	380.00			
	EARTH WORKS :					
5	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth with all lead and lift, as directed by Engineer-in- Charge: All kinds of soil	Sqm	100.00			

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Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
6	Excavation work for all kind of soils for depth from 0.0 M to 1.50 M. including sorting out and stacking of useful materials and Carting away and Disposing off the Excavated Stuff (Unsuitable or Surplus), serviceable material, unserviceable material / debris by demolition and breaking RCC members, masonary structure, pipelines, debris etc. For all lift and lead outside premises. Any kind of measures require for soil stabilization during excavation will be solely responsibility of contractor including design and execution. Contractor to quote excavation item rates considering above measures and No extra payment will be made for Royalty fees for excavated and carting away earth. Surplus earth disposed at non objectionable place to be found by the Contractor.	Cum	2,624.00			
7	Excavation work all kind of soils for depth from 1.5 M to 3.0 M. including sorting out and stacking of useful materials and Carting away and Disposing off the Excavated Stuff (Unsuitable or Surplus), serviceable material, unserviceable material / debris by demolition and breaking RCC members, masonary structure, pipelines, debris etc. For all lift and lead outside premises. Any kind of measures require for soil stabilization during excavation will be solely responsibility of contractor including design and execution. Contractor to quote excavation item rates considering above measures and No extra payment will be made for Royalty fees for excavated and carting away earth.Surplus earth disposed at non objectionable place to be found by the Contractor.	Cum	10.00			
8	Over & Above the 3.0m to the required depth Excavation for foundation for all kind of soils for. including sorting out and stacking of useful materials and Carting away and Disposing off the Excavated Stuff (Unsuitable or Surplus), serviceable material, unserviceable material / debris by demolition and breaking RCC members, masonary structure, pipelines, debris etc. For all lift and lead outside premises. Any kind of measures require for soil stabilization during excavation will be solely responsibility of contractor including design and execution. Contractor to quote excavation item rates considering above measures and No extra payment will be made for Royalty fees for excavated and carting	Cum	10.00			

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Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
	away earth.Selected Surplus earth disposed at non objectionable place to be found by the Contractor.					
9	Supplying and filling of good yellow soil / earth (bought from outside including royalty) by mechanical transport upto all lead and lift also including rolling with 8-10 Tone vibro roller to achive MDD of soil as 95% including watering of the earth in layers not exceeding 20 cm in single layer.	Cum	1,050.00			
10	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. With material conforming to Grade - II (Size rang 53 mm to 0.075 mm) having CBR Value - 25.	Cum	750.00			
	Reinforce Cement Concrete Works :					
11	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	Cum	437.00			
12	Providing and laying in position Ready Mixed Concrete M-250 Grade controlled concrete reinforced cement concrete work For Foundation Footings / Beams / Columns / Lintel / Coping etc using cement content as per approved design mix manufactured in fully automatic batching plant and transported to site of work in transit mixer having continuous agitated mixer manufactured as per mix design of specified grade for reinforced cement concrete work and as approved by the Engineer in-charge including pumping of RMC from transit mixer to site of laying, excl. the cost of reinforcement but including the cost of centering, shuttering, using regular shuttering plates, plywood, Steel Adjustable Props, Cup lock system, planks, props, spans, runners approved by Structural designer, vibrating, fair finishing and cost of admixtures in recommended	Cum	98.00			

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Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
	proportion as per IS 9103 to accelerate / retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer In charge. (Min Cement & Fly Ash Content as per IS:456 shall be maintained).					
13	Providing TMT Bar FE 500D reinforcement for RCC work including bending,Cutting,binding with G.I Binding wire and placing in position complete at differenct ht. and various level as shown in the drawing From Foundation to all Level and above with all lead and lift. Rate shall be inclusive of all laps, chairs etc as per, no payment shall be entertained for such lap lengths, chair, splice bar, spacer bar	Kg.	44,194.00			
	MASONRY WORK :					
14	Brickwork using common burnt clay building 2nd class bricks having crushing strength not less than 35 Kg./Sq.Cm. at differenct ht. and various level as shown in the drawing in cement Mortar 1:6 (1-Cement :6-finesand) (B) Conventional All work	Cum	150.00			
15	Half Brick Masonary in common burnt clay building works 2nd Class bricks having crushing strength not less than 35 kg / sq. cm. in Cement mortar 1:3 (1-Cement :3-coarse sand) at differenct ht. and various floors, levels and height as below and shown in the drawing with Providing Full length 75mm thick Band of Cement conrete (1 : 2 :4) at every Av. 90 cm layer. Concrete Band having 2 nos. of 10 mm dia TMT steel straight Bars, 8 mm dia TMT steel hooks at 15cm C/C Band embedded in Masonary. (A) Conventional All Works	Sqm	250.00			
	STEEL WORK :					
16	Providing, supplying, fixing, fabricating, erecting, aligning the structural steel work for M.S. Grill madeup from round bar, hollow section, angle, plate, Round or Square Pipes, including all welded or bolted steel structures of various types with approved I.S.I. mark electrodes, bolts, anchor bolts including cost of thread, Anchor plate cleats etc. in RCC or masonry work, including cutting, bending, welding, fixing, supplying as per shown on drawing and detailed specification or as per design incl. one coats of approved brand primer and two coats of oil paints, necessary scaffolding, tools	Kg.	2,800.00			

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Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
	tolerance etc. complete as directed by Engineer In Charge. (Payment will be made for weight of metal used in the work) (Work for all the floors)					
17	Providing, supplying, fixing, fabricating, erecting, aligning the structural steel like pivot ,tubular 'T', 'I" section, angle, plate ,beam, channel section, Bar , hollow box or Z purlins, Round or Square Pipes, for built up purlins, roof trusses, columns, side runners, tie beams, sag rods, base plates gusset plates, cap plates, bearing bracing, gantry girders, rails, require support, pipes, including all welded or bolted steel structures of various types with approved I.S.I. mark electrodes, bolts, anchor bolts including cost of thread, Anchor plate cleats etc. in RCC or masonry work, including cutting, bending, welding ,fixing, supplying , Fabricating Decorative fevisted section or any structured member required to complete the job for Trusses, Canopy, doors, Frame, Railing, Entrance gate, pergola, Decorative hanging light , for Electrical, water supply and HVAC structure New window, parking shed or space frame or any other required specified area as shown on drawing and detailed specification or as per design incl. three coats of approved brand primer and two coats of oil paints, necessary scaffolding, tools tolerance etc. complete as directed by Engineer In Charge. (Payment will be made for weight of metal used in the work) (Work for all the floors)	Kg.	1,000.00			
	Finishes Works					
18	20mm thick Double coat Sand Faced / Mala cement plaster on Exterior walls at for various floors, levels and height as below and shown in the drawing consisting of 12mm thick backing coat of C.M. 1:5 (1-cement :5-sand) and 8mm thick finishing coat of C.M. 1:3 (1-cement :3-sand) etc. complete. as required to receive specified architectural finish like Vata, Grooves, pattern if any, drip mould etc. to correct line, level and plumb.	Sqm	1,700.00			

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Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
19	Exterior texture: Providing and applying walls with exterior texture material of approved brand, patent, quality and manufactured approved by Architect including priming coat. Thoroughly brush the surface to remove all dirt and dust. The surface should be clean, dry and free from all contaminants and salt stains. Apply smart care crack seal to fill surface imperfections such as a holes, dents and cracks. Mix product with spatula with upwards movement for uniform colour and consistency. Dilute with 3-10% of water depending upon the texture required. Apply first coat of Allura Tornio/equivalent a medium grain texture creates an excellent antique effect with spatula for stainless steel trowel from top to bottom of wall to achieve uniform thickness about -0.5-1mm. Apply second coat of Apex Ultima Allura Torino of asian paint or equivalent using stainless steel trowel and relevant tool to create the desired pattern. Apply 2 or 3 coat of protective coat ultima to get desired shade. Alternatively, apply tinted asian paint tile guard clean (2 coats - maximum 30% dilution with water) to get 2 tone appearance..	Sqm	500.00			
20	Providing and applying of two or three coats of premium water based, modified acrylic exterior emulsion with silicon additives confirming to IS 15489 standards with low VOC of 32.34 gms / lit, applied on textured/plaster surface work at all heights, all floors & all places including scaffolding. With one coat of premium exterior wall primer to give an even shade including thoroughly brushing the surface to free from mortar dropping and other foreign matter and sand paper smooth etc complete.(APEX)	Sqm	1,500.00			
	ROAD WORK :					
21	Providing and laying at or near ground level factory made kerb stone (H=350/450mm, W=300mm & 100mm thick of M-25 grade cement concrete in position to the required Excavation, PCC (1:3:6) having 75mm thickness in line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-	Rmt	100.00			

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Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
	charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).					
22	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in- Charge. 60mm thick cement concrete paver block of M-35 grade with approved colour, design & pattern.	Sqm	100.00			
23	Providing and laying gang saw cut 18 mm thick, Mirror polished / River wash pre moulded and pre polished machine cut granite stone of required size and shape of approved shade, colour and texture in footpath, flooring cut granite stone of required size and shape of approved shade, colour and texture in footpath, flooring in road side plazas and similar locations, laid over 20mm thick base of cement mortar 1:4 (1cement : 4 coarse sand) including grouting the joints with white cement mixed with matching pigment, epoxy touch ups etc. complete as per direction of Engineer-in-Charge. (Granite may be selected by the Bank having basic rate as 200 Rs/ Sqft excluding GST - For selection only. No rate rate difference shall be payable.)	Sqm	350.00			

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Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
24	Providing and laying design mix cement concrete of M-30 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber,finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge. The top surface to be furnish by vaccume dewatering process by power floater using floor hardner to achieve hard surface. Floor hardener to be used as 4-4.5 kg/Sqmtr. Note:- Cement content shall be maintained as per IS Standard.	Cum	700.00			
25	GI Portable Shop Cabin (Size - 6'X 6' X 8.6), Window with grill and canopy - 4 Nos, Main door - 01 - MCB-01, Main Elect Board - 01, LED Light - 2, Fan - 1 , Bulkhed - 01 , 6Amp Charging Points - 2 , A/C Provision - 1.	Nos	3.00			
26	Construction of Water Trench: 600mm (w) x 450mm (D). Construction of cast in situ water trench as per specified water trench at required location from Ready Mix Concrete Grade of M-25 for vertical pardi (150mm) & Bottom raft (125mm) which much be laid on 100mm thick PCC Bed of grade M-15. Trench shall have perforated cover with frame. Trench shall be finish with inside with plaster (1:4) & neat cement neru finishand with cement vata. Rate shall be inclusive of required excavation, back filling with compaction, leveling, PCC (100 mm), RCC for Raft, Pardi, reinforcement, precast cover, plaster & weather proof paint & all required tool, tackle, material, resources & manpower. Rate shall be payable as RMt uni.	Rmt	35.00			

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Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
27	Construction of Water Trench: 600 mm (w) x 610 mm (D).Construction of cast in situ water trench as per specified water trench at required location from Ready Mix Concrete Grade of M-25 for vertical pardi (150mm) & Bottom raft (125mm) which much be laid on 100mm thick PCC Bed of grade M-15. Trench shall have perforated cover with frame. Trench shall be finish with inside with plaster (1:4) & neat cement neru finishand with cement vata. Rate shall be inclusive of required excavation, back filling with compaction, leveling, PCC (100 mm), RCC for Raft, Pardi, reinforcement, precast cover, plaster & weather proof paint & all required tool, tackle, material, resources & manpower. Rate shall be payable as RMt uni..	Rmt	20.00			
	Miscellaneous Work :					
28	Providing, Supplying & Fixing the Pre-fabricated Container having specified size as listed & must have following facilites Fabricating and errecting at site Galvanized Steel Container office of size : (10'-0" x 10'-0" x 8'-6") including Electrical fittings.	Each	1.00			
29	Providing and Fixing of reinforcement (reinforcement bars shall be paid extra under relevent items of work) drilling hole, cleaning the same providing and filling the hole with injection mortar inserting reinforcement bar etc comp. as per manufacturer's and architect instruction. the work shall be carried out by technical workers / agency approved by the manufacturer and under technical supervision of manufacturer of injection grout incl all tools , tackles, labour etc comp. (work for all the floors). A-Rebaring with (Drilling 38mm dia holes for the 32mm dia bars minimum deep upto 10D in RCC	Each	10.00			
30	Providing and Fixing of reinforcement (reinforcement bars shall be paid extra under relevent items of work) drilling hole, cleaning the same providing and filling the hole with injection mortar inserting reinforcement bar etc comp. as per manufacturer's and architect instruction. the work shall be carried out by technical workers / agency approved by the manufacturer and under technical supervision of manufacturer of injection grout incl all tools , tackles, labour etc comp. (work for all the floors) Rebaring with (Drilling	Each	18.00			

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Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
	28mm dia holes for the 25mm dia bars minimum deep upto 10D in RCC					
31	Providing and Fixing of reinforcement (reinforcement bars shall be paid extra under relevent items of work) drilling hole, cleaning the same providing and filling the hole with injection mortar inserting reinforcement bar etc comp. as per manufacturer's and architect instruction. the work shall be carried out by technical workers / agency approved by the manufacturer and under technical supervision of manufacturer of injection grout incl all tools , tackles, labour etc comp. (work for all the floors) Rebaring with- (Drilling 25mm dia holes for the 20mm dia bars minimum deep upto 10D in RCC	Each	16.00			
32	Providing and Fixing of reinforcement (reinforcement bars shall be paid extra under relevent items of work) drilling hole, cleaning the same providing and filling the hole with injection mortar inserting reinforcement bar etc comp. as per manufacturer's and architect instruction. the work shall be carried out by technical workers / agency approved by the manufacturer and under technical supervision of manufacturer of injection grout incl all tools , tackles, labour etc comp. (work for all the floors) Rebaring with - (Drilling 22mm dia holes for the 16mm dia bars deep upto 10D in RCC	Each	25.00			
33	Providing and Fixing of reinforcement (reinforcement bars shall be paid extra under relevent items of work) drilling hole, cleaning the same providing and filling the hole with injection mortar inserting reinforcement bar etc comp. as per manufacturer's and architect instruction. the work shall be carried out by technical workers / agency approved by the manufacturer and under technical supervision of manufacturer of injection grout incl all tools , tackles, labour etc comp. (work for all the floors) Rebaring with - (Drilling 16mm dia holes for the 12mm dia bars deep upto 10D in RCC	Each	30.00			

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Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
34	Providing and Fixing of reinforcement (reinforcement bars shall be paid extra under relevent items of work) drilling hole, cleaning the same providing and filling the hole with injection mortar inserting reinforcement bar etc comp. as per manufacturer's and architect instruction. the work shall be carried out by technical workers / agency approved by the manufacturer and under technical supervision of manufacturer of injection grout incl all tools , tackles, labour etc comp. (work for all the floors) Rebaring with - (Drilling 14mm dia holes for the 10mm dia bars deep upto 10D in RCC	Each	45.00			
35	Providing and Fixing of reinforcement (reinforcement bars shall be paid extra under relevent items of work) drilling hole, cleaning the same providing and filling the hole with injection mortar inserting reinforcement bar etc comp. as per manufacturer's and architect instruction. the work shall be carried out by technical workers / agency approved by the manufacturer and under technical supervision of manufacturer of injection grout incl all tools , tackles, labour etc comp. (work for all the floors) Rebaring with- (Drilling 10mm dia holes for the 8mm dia bars deep upto 10D in RCC	Each	60.00			
36	Charges for making holes in RCC wall, slabs or any other RCC members by diamond core cutting machine including disposing the debris. Measurement will be taken for the depth of holes in running meter. For disposal of the debris as per the disposal item. (work for all the floors) A - Holes upto 100mm dia	Each	12.00			
37	Charges for making holes in RCC wall, slabs or any other RCC members by diamond core cutting machine including disposing the debris. Measurement will be taken for the depth of holes in running meter. For disposal of the debris as per the disposal item. (work for all the floors) from 101 to 150mm dia	Each	18.00			
38	Charges for making holes in RCC wall, slabs or any other RCC members by diamond core cutting machine including disposing the debris. Measurement will be taken for the depth of holes in running meter. For disposal of the debris as per the disposal item. (work for all the floors) from 151 to 200mm dia.	Each	10.00			
39	Charges for making holes in RCC wall, slabs or any other RCC members by diamond core cutting machine including disposing the	Each	13.00			

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Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
	debris. Measurement will be taken for the depth of holes in running meter. For disposal of the debris as per the disposal item. (work for all the floors) from 201 to 250mm dia.					
40	Charges for making holes in RCC wall, slabs or any other RCC members by diamond core cutting machine including disposing the debris. Measurement will be taken for the depth of holes in running meter. For disposal of the debris as per the disposal item. (work for all the floors) from 251 to 300mm dia.	Each	9.00			
41	Charges for making holes in RCC wall, slabs or any other RCC members by diamond core cutting machine including disposing the debris. Measurement will be taken for the depth of holes in running meter. For disposal of the debris as per the disposal item. (work for all the floors) from 301 to 450mm dia.	Each	3.00			
	Exhaust & Aviation Light Works :					
42	Supplying and fixing of exhaust gas piping system black M.S. pipe confirming to IS:3589 cut to required lengths and installed on standalone fabricated support structure with necessary bends, welding, supports and clamps, anti-vibration mountings, insulation of exhaust system with mineral wool/ 50mm thick Rockwool, wiremesh & aluminium cladding etc., as required as per specifications Complete as required.Neccessory shop drawing provided by vendor. And Measurement must be on site at the time of site visit. 200mm Dia (nominal bore) with wall thickness of 5 mm Thick	Meter	50.00			
43	Designing and supplying and fixing of standalone MS supports for Exhaust Stack of 42Mtrs height (Approx.) suitable supporting of exhaust pipes one number pipe each from each DG sets, and support strutures for Silencer, fuel pipe , Busduct , cable tray , tank stand etc. The structural stability and the design of exhaust stack shall be vetted with reputed Institute or approved by the Egnineer-in-charge. Complete as required.	Kg	14,000.00			

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Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
44	Supply, installation, testing and commissioning of Lightning Arrestor Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. along with 25 mm x 3mm GI strip from top of Exhaust stack to Bottom (Vertical Run)complete as required.	Job	1.00			
45	Aviation Light:Supply, Installation, testing & commissioning of ICAO compliant IP65 LED aviation obstruction light fixture with 1Xhigh power LED having Aviation Red(ICAO) light color with power consumption <5W,light intensity > 10Cd,opearating voltage range 100-270V AC,with life of 50000 burning hrs with 70% lumen maintemance.Wind load at 200Km/h should be <40N.Fixture should have bird spike to ensure cleanliness of polycarbonate diffuser LED Light source with required all ncecessory accesories & wiring.	Nos.	5.00			
	External Services Works					
46	Providing and fixing Unplasticised Polyvinyl Chloride Schedule 80 (UPVC) confirming to ASTM D 1785 pipes ISI Marked brand, including all UPVC fittings confirming to ASTM D 2467, i/c laying the pipe underground. This includes jointing of pipes & fittings with UPVC solvent cement and the cost of trenching, refilling and making good the same including testing of joints complete as per direction of Engineer in Charge. (For **External Underground work**) 20 mm dia	Rmt	80.00			
47	Providing and fixing Unplasticised Polyvinyl Chloride Schedule 80 (UPVC) confirming to ASTM D 1785 pipes ISI Marked brand, including all UPVC fittings confirming to ASTM D 2467, i/c laying the pipe underground. This includes jointing of pipes & fittings with UPVC solvent cement and the cost of trenching, refilling and making good the same including testing of joints complete as per direction of Engineer in Charge. (For **External Underground work**) 25 mm dia	Rmt	10.00			
48	Providing and fixing of Gun Metal Gate Valve with C I Wheel of approved make of the following diameter having pressure rating of 10kg/sqcm. Installation to be done as per drawing and to the satisfaction of the Engineer-In-Charge20mm Nominal Dia	Nos	3.00			

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Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
49	Providing and fixing of Gun Metal Gate Valve with C I Wheel of approved make of the following diameter having pressure rating of 10kg/sqcm. Installation to be done as per drawing and to the satisfaction of the Engineer-In-Charge 25mm Nominal Dia	Nos	1.00			
50	Constructing brick masonry **manhole** in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C top slab with 1: 2: 4 mix (1 cement : 2 coarse sand 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand: 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1: 3 (1 cement: 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design: Inside size 90 x 80 cms and 45 cms deep including C.I cover with frame (heavy duty) 610 x 610 mm internal dimensions, total weight of cover and frame to be not less than 38 kgs (weight of cover 23 kgs and weight of frame 15 kgs). **(For Crossing)** (A) **900X800 mm size**	Nos	20.00			
51	Constructing brick masonry **manhole** in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C top slab with 1: 2: 4 mix (1 cement : 2 coarse sand 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand: 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1: 3 (1 cement: 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design: Inside size 120 x 90 cms and 120 cms deep including C.I cover with frame (light duty) 455 x 610 mm internal dimensions, total weight of cover and frame to be not less than 38 kgs (weight of cover 23 kgs and weight of frame 15 kgs).**(For Sewer)** (A) **1200 x 900 mm size**	Nos	8.00			

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Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
52	Constructing brick masonry **manhole** in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C top slab with 1: 2: 4 mix (1 cement : 2 coarse sand 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand: 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1: 3 (1 cement: 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design: Inside size 120 x 90 cms and 45 cms deep including C.I cover with frame (light duty) 455 x 610 mm internal dimensions, total weight of cover and frame to be not less than 38 kgs (weight of cover 23 kgs and weight of frame 15 kgs). (A) **1200 x 900 mm size (For Storm Water)**	Nos	9.00			
53	Providing and laying **UPVC SN8 Foam core Pipes** for Underground drainage lines including of Trenching, Laying and Refilling of the trenches. The pipes shall be laid in gradient as per the drawing. The rate shall be inclusive of solvent welding of pipes in place. The rate shall be inclusive of all the labours, materials, accessories etc..The work shall be completed to the satisfaction of Engineer in Charge. **(For underground network) 160 mm dia. pipe**	Rmt	40.00			
54	Providing and laying **UPVC SN8 Foam core Pipes** for Underground Storm Water lines including of Trenching, Laying and Refilling of the trenches. The pipes shall be laid in gradient as per the drawing. The rate shall be inclusive of solvent welding of pipes in place. The rate shall be inclusive of all the labours, materials, accessories etc..The work shall be completed to the satisfaction of Engineer in Charge. **(For underground network) (FOR EXTERNAL RAIN WATER NETWORK) - 200 mm dia**	Rmt	22.00			
55	Providing and laying **UPVC SN8 Foam core Pipes** for Underground Storm Water lines including of Trenching, Laying and Refilling of the trenches. The pipes shall be laid in gradient as per the drawing. The rate shall be inclusive of solvent welding of pipes in place. The rate shall be inclusive of all the labours, materials, accessories etc..The work shall be completed to the satisfaction of Engineer in	Rmt	210.00			

Bidder Signature

Name of work : Civil & Allied External Development Work for the for Baroda Apex Academy Building at Law Garden, Ahmedabad

Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
	Charge. **(For underground network) (FOR EXTERNAL RAIN WATER NETWORK) - 250 mm dia**					
56	Providing and laying **UPVC SN8 Foam core Pipes** for Underground Storm Water lines including of Trenching, Laying and Refilling of the trenches. The pipes shall be laid in gradient as per the drawing. The rate shall be inclusive of solvent welding of pipes in place. The rate shall be inclusive of all the labours, materials, accessories etc..The work shall be completed to the satisfaction of Engineer in Charge. **(For underground network) (FOR EXTERNAL RAIN WATER NETWORK) - 160 mm dia**	Rmt	40.00			
57	Providing and laying **UPVC SN8 Foam core Pipes** for Underground Storm Water lines including of Trenching, Laying and Refilling of the trenches. The pipes shall be laid in gradient as per the drawing. The rate shall be inclusive of solvent welding of pipes in place. The rate shall be inclusive of all the labours, materials, accessories etc..The work shall be completed to the satisfaction of Engineer in Charge. **(For underground network) (FOR EXTERNAL RAIN WATER NETWORK) - 200 mm dia**	Rmt	50.00			
58	Providing and laying **UPVC SN8 Foam core Pipes** for Underground Storm Water lines including of Trenching, Laying and Refilling of the trenches. The pipes shall be laid in gradient as per the drawing. The rate shall be inclusive of solvent welding of pipes in place. The rate shall be inclusive of all the labours, materials, accessories etc..The work shall be completed to the satisfaction of Engineer in Charge. **(For underground network) (FOR EXTERNAL RAIN WATER NETWORK) - 250 mm dia**	Rmt	40.00			
59	Providing and laying **UPVC SN8 Foam core Pipes** for Underground Storm Water lines including of Trenching, Laying and Refilling of the trenches. The pipes shall be laid in gradient as per the drawing. The rate shall be inclusive of solvent welding of pipes in place. The rate shall be inclusive of all the labours, materials, accessories etc..The work shall be completed to the satisfaction of Engineer in Charge. **(For underground network)(FOR EXTERNAL RAIN WATER NETWORK) - 300 mm dia**	Rmt	45.00			

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Name of work : Civil & Allied External Development Work for the for Baroda Apex Academy Building at Law Garden, Ahmedabad

Item No.	Item Description	Unit	Quantity	Unit Rate	Rate in Figure	Total Amount
60	Providing, fixing, jointing and testing stoneware gully trap, class `A', of suitable upto 250 dia pipes including excavation in all soil types, bailing or pumping out water from trenches, shoring whenever necessary testing,refilling, in layers ramming & consolidation, removing away the surplus earth & spoils, dumping it on site or carting away to lead of 100 meters as directed, incl. embedding the trap in CC 1:2:4, construction of brick masonry chamber, internal clear size 450 mm. x 450 mm., in brick work 230 mm. thick, in CM 1:4, plastering inside, outside and all exposed surfaces with CM 1:3, 12 mm. thick, providing, fixing CI frame and cover 450x450 mm., weighing together not less than 45 Kgs, painting of all CI items with 3 coats of approved bitumastic paint, etc. complete.	Nos	2.00			
61	Grease Trap & Desilting Chamber - Constructing chambers in brick work in cement mortar 1:5 necessary foundation concrete (1:4:8) inside plastering 15 mm thick with cement mortar 1:4 and rough plaster 20 mm thick on outside with a floating of neat cement. Including the C.I. top frame and grating cover (210 kgs) including necessary excavation in all soil types, dewatering, refilling, watering, ramming, removing the surplus excavated material upto a lead of 100 m and making good the same complete as required. The required depth of chamber varies from 600 to 2500mm. The rate includes connections to trenches / pipes. (Dimensions as per drawings approx 2.3 x 1.0m)	Nos	1.00			
					Total Amount	
					Discount (if any)	
					Total Amount after Discount	
					GST @ 18%	
					Grand Total	
	Grand Total in Words					

Bidder Signature