

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 character s)	Item Description	Total Qty	UNIT (upto 50 characters)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
1	Site cleaning including Surface dressing of ground in all kind of soil including removing vegetation, debris, malba or any obstruction existing on site, all inequalities upto natural ground level as direction of Engineer -In-Charge and dispose unseviceable material away outside the Gujarat University Campus boundary limits irrespective of lead involved by means of mechanical transport or any other equivalent means, keeping Gujarat University indemnified of any liabilities from statutory / local bodies.all complete as specified & directed by EIC. (Item shall not considered if plot excavation considered seperatly.)	5000.00	SMT		
2	Demolishing & Breaking of brick and stone masonry of any thickness and at any height/depth includes removing of plaster/tiling applied over it by standard power driven percussion type / pneumatic / manual by chisel and hammer as per site condition in prominently marked areas/as instructed. (taking all necessary safety precautions) including supply of all tools & tackles, necessary scaffolding, propping, underpinning staking of serviceable material, disposal of unseviceable material away and outside the Gujarat University Campus boundary limits irrespective of lead involved by means of mechanical transport or any other equivalent means, keeping Gujarat University indemnified of any liabilities from statutory / local bodies. all complete as specified & directed. Rate shall also includes removal of existing tiling , plaster, manhole covers, trench frame & guide angles, other embedded structural items in brick/stone work and staking the same for further use and cleaning and removing of any derbies after dismantled etc. all complete as directed by EIC	150.00	CMT		
3	Demolishing & Breaking of Reinforced cement concrete of any depth and at any height/levels including supply of all tools & machinery with taking all necessary safety precautions like scaffolding, propping, underpinning etc. , cutting, straightening, scraping & cleaning of reinforcement bars, cutting of reinforcement manual y or by any other means staking of serviceable material, disposal of unseviceable material away and outside the Gujarat University Campus boundary limits irrespective of lead involved by means of mechanical transport or any other equivalent means, keeping Gujart University indemnified of any liabilities from statutory / local bodies, all complete as specified & directed. Rate shall also includes removal of existing plaster / tiling, manhole covers, trench frame & guide angles, other embedded structural items in Concrete and staking the same for use/scrap ECT. complete As Directed By EIC	130.00	CMT		
4	Carefully Dismantaling tiles or stone in floors, dedo laid in mortar/lime by standard power driven percussion type / pneumatic / manual by chisel and hammer as per site condition and instruction in prominently marked areas/as per instructed.Special care shall be tacken for dismantleding work method to avoide damage to other elements surrounding area. Including supply of necessary tools and machinery .with taking safety precaution such as necessary scaffolding, propping,staking of serviceable material, disposal of unseviceable material away and outside the Gujarat University Campus boundary limits irrespective of lead involved by means of mechanical transport or any other equivalent means, keeping Gujarat University indemnified of any liabilities from statutory / local bodies. Rate shall also includes removal of existing tiling , plaster, other embedded structural items in RCC/brick work and staking the same for further use and cleaning area etc. all complete as directed by EIC	295.00	SMT		
5	Dismantaling doors, windows, ventilation etc .(wood / aluminum /steel) shutters / frame, chowkhats, grill, architraves,holdfasts, Door, Window grill frame including supply of all tools & tackles and cutting, trimming, Drilling dismantleding of Brickwork to remove hold fast and do patch work and making good for the same with taking care of all safety precaution such as necessary scaffolding, propping, safety Personal Protecting Equipment and staking of serviceable material, Steel/MS or Any Metal acceseries/Object/other attachment and disposal of unseviceable material away outside the Gujarat University Campus boundary limits irrespective of lead involved by means of mechanical transport or any other equivalent means, keeping Gujarat University indemnified of any liabilities from statutory / local bodies. Etc.complete as Directed By EIC	850.00	SMT		

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6	Removing and refixing the existing Ms fabrication Grills in Doors , window, railing, safety Grills etc. from RCC/Brick work . and refixing the same at suggested location as intructed by engineer in charge .Scope shall include dismantling from Holdfast dismantling of joints and removing embedded Fastner including removing adjoin fixtures like stopper and other embaded items etc. Rate shall including supply of necessary tools, machinery , with taking necessary safety precautions, scaffolding, PPE, and patch work of dismantled Rcc/Brickwork/Plaster and stacking servisable matrial at location for scraping/resuse within Gujrat Univeristy Campus. etc. as instructed by Engineer In Charge	850.00	SMT		
7	Structural Fabrication Repairs Works - Fabrication & Fixing to required shape and size and erecting in position of Old / Existing available structural steel items viz. Door/Window Grill,Safety Grill, Railings , hand railing, ladder, staircase, crash guard, clamps, brackets and all miscellaneous steel items made up of using MS angles, I Section, Pipes ,channels, tees, plates, pipes, rounds, squares, flats, etc. including straightening, cutting, fabricating, welding, bending to shape, bolting, fixing in position, welding to other MS structure item or insert plate embedded in wall/concrete at site and finished the surface neat after grouting. Rate shall include for painting with two coats of synthetic enamel paint over a coat of Zinc chromate primer, etc. complete, as directed by Engineer In charge. Only that Quantity will measured which additional repair is done.Weight of washers, nuts & bolts shall not be paid extra Actual/Net quantities measured shall be paid. .(Material Should be Measured and Paid additional)	3000.00	KG		
8	Supply of Fabrication Structural Steel with any lead and lift fabrication steel such as MS angles, I Section, Pipes ,channels, tees, plates, pipes, rounds, squares, flats, etc. rates are lincluding of Transportation, Cost of Material, all lead and any lift ,Weight of washers, nuts & bolts shall not be paid extra Matrial make is as approved by Consultant/ Engineer- In-Charge	3000.00	KG		
9	Fabrication : Structural Steel Structural Fabrication Works - Supplying, Fabricating, Erecting & Fixing in position structural steel items viz. roof structure, shed, trench covers, frames, structure, pipe support, valve support, sliding gate, jali , hand railing, ladder, plateform, Storage racks, monkey ledder, staircase, clamps, brackets , ms gate. jali, shead , and architectural work and all miscellaneous steel works as detailed and as directed by EIC at all levels using MS angles, beams, channels, tees, plates, pipes, rounds, squares, flats including hard wares like hinges, nuts, bolts, washers, etc. of various sizes and other structural steel sections conforming to IS 2062 including straightening, cutting, fabricating, welding, bending to shape, bolting, fixing in position, welding to other MS structure item or insert plate or Rolling hinges etc embedded in wall/concrete at site and finished the surface neat after grouting. Rate shall include for painting with two coats 50 micron DFT for Each Coat of synthetic enamel paint over a coat of 50 micron DFT for Zinc chromate primer, etc. complete, as directed by Engineer In charge. Material shall be of TATA/VIZAG/SAIL/ESSAR or other equivalent make only. Actual/Net quantities measured shall be paid. Weight of washers, nuts & bolts shall not be paid extra. Note : 1. Welding rods of Adani or Ador make only to be used. 2. ISI marked E-7018 to be used for welding on beam or truss part and 6013 for rest or as directed by Engineer-in-charge. 3. Welding rod to be preheated to 60 degrees centigrade before usage. 4. If fabrication work is done at site then contractor will have to bear the electricity consumption charges.	6000.00	KG		
10	dismantling of existing RCC/Bituminus Road including sub-base by mechanical means using pneumatic tools including disposal of unserviceable material outside the premises, etc. for any depth as directed by the Engineer-In-Charge. Rate also includes disposal of unserviceable material away and outside the boundary limits of gujarat university campus irrespective of lead involved by means of mechanical transport or any other equivalent means.	1150.00	SMT		

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11	Excavation up to 1.5 mt depth in all kind of Soil in any plan dimension including staking of serviceable excavated earth , and disposal of surplus and unserviceable earth up to any lead in all conditions after backfilling using serviceable earth. Proper shuttering/support has to be made for excavation beyond 1.5mt to support side soil wall and to avoid collapse of soil. Soil to be leveled and neatly dressed complete in all respect as per scope of work, detailed construction drawings, as per technical specifications and directions of the Engineer-in-charge	546.00	CMT		
12	Excavation 1.5 mt To 3.0 depth in all kind of Soil in any plan dimension including staking of serviceable excavated earth , and disposal of surplus and unserviceable earth up to any lead in all conditions after backfilling using serviceable earth. Proper shuttering/support has to be made for excavation beyond 1.5mt to support side soil wall and to avoid collapse of soil. Soil to be leveled and neatly dressed complete in all respect as per scope of work, detailed construction drawings, as per technical specifications and directions of the Engineer-in-charge	378.00	CMT		
13	Filling Available Soil From/at any location in campus after execution of work to proper grade and level with selected materials from available excavated soil from spoil heaps within a any lead, including re-excavating the stored serviceable soil excavated earlier, breaking clods, laying at all depths and heights in layers of thickness not exceeding 15cms. including watering, rolling and ramming by manual/mechanical means, to achieve 90% of maximum dry density, dressing, trimming, leveling the top surface etc. in foundations, plinths, road embankments, road, shoulders, trenches etc. complete in all respect as per scope of work, detailed construction drawings , as per technical specifications and directions of the Engineer-in-charge	322.00	CMT		
14	Supplying and filling of Murrum / Quarry Spoil of good quality brought from outside in layers of loose thickness not exceeding 200mm, under floors, pavements, in foundations etc. for all depths and heights including cost of murrum, royalties, transportation to site for all leads and lifts, including loading, unloading, spreading in layers of loose thickness not exceeding 200mm, watering, ramming, compacting with mechanical vibrator compactors and/ or other equipment (8-10 ton vibrator road roller) to the specified levels to achieve 85%-95% relative dry density as per IS: 2720 as directed, including preparation of sub-grade to the required slope, providing testing apparatus and testing the degree of consolidation all complete as per drawings, specifications and direction of Engineer-in-charge. Filling material shall approve by EIC / consultant before start of the work. The rates shall be inclusive of the cost of all labour, material, equipment etc. complete.	145.00	CMT		
15	Providing and laying Plain cement Concrete P.C.C (1:3:6)(1-Cement, 3- Sand , 6- Course and Fine Aggregates) of nominal mix by mass with 20mm down size graded crushed stone aggregates for all depths below and up to plinth level in foundations, drains, fillings, non suspended floors, pavements and ramps or any other works etc. in any shape , position, thickness and finishing the top surface rough or smooth as specified and directed, including tamping, ramming, vibrating, curing etc. all as specified including the cost of materials, labour, tools, tackles, machinery, steel scaffolding / staging, sampling and testing all complete as per specification and direction of EIC/Consultant. Actual / Net measured quantities shall be paid. Cost shall including of formwork	75.00	CMT		

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16	Providing and laying, pouring of Reinforced Cement Concrete M-20(1:1.5:3) of nominal mix Grade (Concrete shall be design mix) , with 20 mm & down size graded crushed stone aggregates in all and any shape, size , depth , leveles, thickness and in sub structure and super structure to any height and levels up to single poure of 100 CMT. Excluding Cost of Reinforcemen, formwork/shuttering. In any all type of foundation, rafts , beam , slab, pile caps, retaining wall, jambs, trench, brackets, landing, stairs , facia, gutter, chajja, column, lintel, tie beam, copping, pitts, Drains , floor slab, ducts, including providing necessary pockets, opening, recesses, chamfering, viberating, mixing, tampering, rendering to give smooth and even finish as specified in drawings. The rates are including supply and cost of material and laboure, transportation, mixing on site by mean of mechanical equipment or Manual. Sampeling and testing and supply of all tools and machinery to give finishing as specification and as directed b/ Net measured quantities shall be paid.) light with IP68(one at each je	85.00	CMT		
17	Providing and laying, pouring of Reinforced Cement Concrete M-25(1:1:2) of nominal mix Grade (Concrete shall be design mix) , with 20 mm & down size graded crushed stone aggregates in all and any shape, size , depth , leveles, thickness and in sub structure and super structure to any height and levels up to single poure of 100 CMT. Excluding Cost of Reinforcement but including the cost of formwork/shuttering. In any all type of foundation, rafts , beam , slab, pile caps, retaining wall, jambs, trench, brackets, landing, stairs , facia, gutter, chajja, column, lintel, tie beam, copping, pitts, Drains , floor slab, ducts, including providing necessary pockets, opening, recesses, chamfering, viberating, mixing, tampering, rendering to give smooth and even finish as specified in drawings. The rates are including supply and cost of material and laboure, transportation, mixing on site by mean of mechanical equipment or Manual. Sampeling and testing and supply of all tools and machinery to give finishing as specification and as directed by the Engineer-in-charge. (Excluding the cost of Reinforcement) Actual / Net measured quantities shall be paid.	185.00	CMT		
18	Providing and fixing Shuttering/ Form work using ordinary timber plank, shuttering ply, steel plates Form work design Conferming of IS 4990-2011To give smooth and even finish, including centering, shuttering, strutting, propping, surface oiling, nails, binding wire, etc. keeping the necessary provision for inserts, projecting dowels, anchor bolts or any other fixture etc. all complete for SUB STRUCTURE like foundations, pedestals, footings, slabs, pile caps, retaining walls, beams, staircases, landings, suspended slabs, etc. and SUPER STRUCTURE like in columns, lintels, slabs, beams, staircases, landings, suspended slabs/floors/roofs, walls etc. and other structures keeping the same in position during concreting and removal of the same after specified period in all complete and as specified and directed.The rate shall includes cost of material, labour, tools tackles, machinery, curing, etc. .In any size, shape, Geometry, depth, Thickness, all in complete manner as Dirrected by Engieer-In-Charge. (Actual / Net measured quantities shall be paid.)	895.00	SMT		
19	Supplying and placing in position High strength deformed TMT Steel Bars Reinforcement (Conforming to IS:1786, Grade Fe 500 / 500D) of Approved make (as approved by Consultant/EIC) for RCC work including transporting, straightening, cleaning, de-coiling,testing,sampeling,cutting & binding to required shapes and lengths as per Drawings and details, binding with contractor's own 16 SWG black soft annealed binding wire at every intersection, supplying and placing with proper cover blocks, supports, chairs, overlaps, welding, spacers, fan hooks etc. for all heights and depths etc. complete as per specification, directions and drawings.(Supports ,Chairs and laps are included in the cost and no separate measurement qty will be paid for the same)	24300.00	KG		

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Item Number (up to 200 characters)	Item Description	Total Qty	UNIT (upto 50 characters)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
20	Boring, providing and installation bored cast-in-situ reinforced cement concrete piles of garde M-25 of specified diameter and length below pile cap, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of concrete, pouring of concrete, boring with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. by Crawler mounted, telescopic boom hydraulic pilling Rig all complete, including removal of excavated earth with all its lifts and leads (length of pile for payment shall be measured up to bottom of pile cap).450 mm dia piles	50.00	RMT		
21	Boring, providing and installation bored cast-in-situ reinforced cement concrete piles of garde M-25 of specified diameter and length below pile cap, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of concrete, pouring of concrete, boring with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. by Crawler mounted, telescopic boom hydraulic pilling Rig all complete, including removal of excavated earth with all its lifts and leads (length of pile for payment shall be measured up to bottom of pile cap).600 mm dia piles	50.00	RMT		
22	Providing and laying Full brick Masonary (230mm th. or more) with bricks of class-1, strength not less than 35 kg/sq.cm in cement mortar 1:6 (1 cement: 6 sand) in one or more brick thickness and in any shape in sub-structure at all level including the cost of materials, labour, steel scaffolding / staging, sampling and testing, soaking of bricks, cutting & laying of bricks, providing recesses, making openings of any shape and size, embedding the fittings & fixtures, curing etc. all complete as per specifications. The rate shall includes cost of material, labour, tools tackles, machinery etc. all complete manner. and As directed by Engineer-In-Charge (Actual / Net measured quantities shall be paid.)	142.50	CMT		
23	Providing and laying Full brick Masonary (230mm th. or more) with bricks of class-1, strength not less than 35 kg/sq.cm in cement mortar 1:6 (1 cement: 6 sand) in one or more brick thickness and in any shape in super-structure at all level including the cost of materials, labour, steel scaffolding / staging, sampling and testing, soaking of bricks, cutting & laying of bricks, providing recesses, making openings of any shape and size, embedding the fittings & fixtures, curing etc. all complete as per specifications. The rate shall includes cost of material, labour, tools tackles, machinery etc. all complete manner. and As directed by Engineer-In-Charge (Actual / Net measured quantities shall be paid.)	97.50	CMT		
24	Providing and laying AAC Block Masonary (Autoclaved aerated Concrete Blocks of sizes 600x200(Thickness of 100/200 mm) Confirming to IS 2185 Part - 3; staggered Joints in Cement Motor CM (1:5); in Super Structure at all Levels and height. AAC Blocks shall be of Approved make (Approved by EIC).The rate includes providing and placing in position 2 Nos. 8 mm dia M.S. bars at every third course of masonry work. Rates quoted shall be for at any height or depth must include the cost of the blocks, transportations, leads, lifts, seignorage, royalty charges, hire and operational charges of required tools and Plants including scaffolding, raking of the joints, curing Etc as directed complete.	248.00	CMT		
25	Providing 20mm thick sand faced plastering on outside faces. Flrst coat of 12 mm thick in C.M.1:3 (1-cement;3-sand) and second coat of 8 mm thick in c.m. (1:1) with waterproofing chemicals on RCC/Brick wall Building or other structure including Plaxing of Chicken mesh of statndard Quality at Specific location joints , surface preperation, hackig the brick masonry Or RCC Surface, all height/depth with all tools, material, laboure,scaffolding and curing, To make true line and levels etc.complete in all manner as specified and as instructed by Engineer-In-Charge. (Actual / Net quantities measured shall be paid. (smooth nero plaster if instructed)	189.00	SMT		

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Item Number (up to 200 characters)	Item Description	Total Qty	UNIT (upto 50 characters)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
26	Providing 15mm thick Cement Plastering Cement Mortar 1:4 (1 cement : 4 fine sand) with waterproofing chemicals on RCC / Brick wall building or other structures including surface preparation, hacking the brick Masonary or RCC surface, at all height/depth with all tools, material, labour, scaffolding and curing etc. to make even finish in true lines and levels all complete as per specifications and direction of engineer in Charge. Rate shall include providing & fixing chicken mash jali of best quality available & fixing it at brick and RCC junction all complete. Actual / Net quantities measured shall be paid. (smooth nero plaster if instructed)	768.00	SMT		
27	Providing & Fixing the Chikenmesh - 20 guage(Crimp Jali) of approved size applying between the RCC and masonry junction in proper line, level and plumb with all material, labour, tools, tackles and equipment. Including providing and fixing the jali with nails, etc complete as directed by the site-in-charge.	75.00	SMT		
28	Providing and laying 20 mm thick water proof cement plaster using water proofing powder 1Kg/1bag of cement for all floors on brick / concrete wall/ugwt/ohwt/pond/fountain pond work using water proofing materials in C M 1: 4 (1 cement 4 coarsee sand) including finishing with a floating coat of neat cement slurry etc complete for all floor. and shall be guaranteed for minimum period of 10 years after handing over the completed building by the main contractor to be finished as directed. Stamp paper guarantee 10 years to be furnished before receiving any payment from the client.The rate shall including of cost of labour, cost of material, over head , water proofing chemical as approved by client/consultant.	289.00	SMT		
29	Providing and applying 2 coats of WPM 004, two components acrylic modified flexible cementitious waterproof coating using brush / roller over well prepared dry surface, including sandwiching WPM Deck Web at all corners, cracks, construction joints and pipe penetrations, grinding all sharp edges, cleaning all surfaces to make them free from all contaminants, Contractor shall to be guaranteed for minimum period of 10 years after handing over the completed building by the main contractor to be finished as directed. Stamp paper guarantee 10 years to be furnished before receiving any payment from the client. etc and complete as per manufacturer's specification.	289.00	SMT		
30	Providing and applying of exterior weather resistant Apex paint (Base primer coat + Min. 3 or more coats) of approved make shade for even finishing of external walls / surface up to any height and level. The scope shall include Erecting, Scaffolding at all levels, preparing the surface by scrubbing with wire brush and removal of old paint (if exist), dust, oil, greese and any other particle for surface preparation before new paint application. Paint shall done with applying 1 coat of primer and 3 coat (minimum) of Apex Ultima Paint to give rash free smooth even finish . Rate shall including material, labour, tools tackles, scaffolding etc. all complete as specified and directed by EIC.	375.00	SMT		

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31	Texture Paint work Providing and applying 1.5 to 2.0 mm thick decorative acrylic surface texture of specified brand and manufacture and of approved texture and colour as per detail drawing on plain cement surface, plastered surface, gypsum, plywood surface as directed. Before application all undulations, broken edges, minor imperfections on base surface shall be rectified using cement slurry and or product surface improver. Surface texture shall be crack free, flexible and of required consistencies added with synthetic iron oxide pigments, to give required shade. Base coat and Second coat shall be applied with Brush/roller/block/lamb's wool roller. Final coat shall be applied with stipple roller to developed required design in case of 'superfine finish' and shall be applied by specially designed gun for depositing drops and flattening of top surface of drops by trawling with specially designed acrylic trowels to give required surface texture in case of 'spraycote' finish. In case of 'rock castle finish' fina/ Net measured quantities shall be paid.) light with IP68(one at each jet) protection stainless housing, SMPS & Controller; (v) 4 nos. MS Anchor with SS rope; (vi) GI / PVC pipes, fittings and valves (ISI marked) and hardware fittings as required for installation; (vii) Outdoor starter panel / control panel for submersible pump and lighting (viii) 4" SS Suction filter (ix) 4x3 Water Distributor. (x)Water proof ISI mark Lights and electrification. as directed by Engineer-in-charge. 3. Welding rod to be preheated to 60 degrees centigrade before usage.	350.00	SMT		
32	Supply and Apllication of Enemal paint providing and applying window and MS. painting (Two coats) with enemal paint of approved brand & manufacture on under coated wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	273.00	SMT		
33	Providing and laying Good Quality River Finish Sand stone (as approved by consultant/client) flooring in required design and patterns, in linear as well as curvilinear portions, all complete as per the architectural drawings, with 25-30 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand), laid and jointed with cement mortar 1:2 (1 cement : 2 sand) and pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.	500.00	SMT		
34	Providing and laying Good Quality fine dressed Sand stone (as approved by consultant/client) flooring in required design and patterns, in linear as well as curvilinear portions of the building, all complete as per the architectural drawings, with 25-30 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand), laid and jointed with cement mortar 1:2 (1 cement : 2 sand)and pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.	300.00	SMT		
35	Providing and laying Good Quality River Finish Red Sand stone-Dholpur (as approved by consultant/client) flooring in required design and patterns, in linear as well as curvilinear portions, all complete as per the architectural drawings, with 25-30 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand), laid and jointed with cement mortar 1:2 (1 cement : 2 sand) and pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.	385.00	SMT		
36	Providing and laying Good Quality fine dressed Red Sand stone-Dholpur (as approved by consultant/client) flooring in required design and patterns, in linear as well as curvilinear portions of the building, all complete as per the architectural drawings, with 25-30 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand), laid and jointed with cement mortar 1:2 (1 cement : 2 sand)and pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.	150.00	SMT		

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37	Providing and Fixing in Pattern Polished Granite of 18 to 25 mm thick for top of the curbing wall over 10 mm thick (Avg) base laid over and Jointed with Grey cement Slurry mixed with pigments to match the shade of the slab and groove between granite and plaster joint. including rubbing and polishing complete with base of 1:4 cement: mortar. Basic cost: 185 Rs. per Sq.Feet	56.00	SMT		
38	THAMBLI : Dangadhra Stone At Protection of Jali level, above Top side of structre , stonework of ., including carving, centers, corner tekra, shaping, fixing, fitting, finishing etc. Work shall executed as per final drawings and details complete. and as directed by EIC/Architect.	120.00	RMT		
39	JALI : Dangadhra Stone Providing Carving and fixing in position 65 mm Thick Jali in Dangadhra Stone carved in Good pattern , including preparation of the shop drawing and executing the Jali as shown in attached photos of similar temple but more detailed as per the approved drawing including finishing the holes properly fixing it in position in the grooves made for it / with pins , Dowels , shaping, fixing, fitting, finishing etc. complete. and as directed by EIC/Architect	150.00	SMT		
40	Providing and Fixing of GFRC Jali (Glass Fibre Reinforced Jali) 50 mm thick of required size, pattern, design, and colour with 50% area covered to be fixed on/between RCC / Block work/ Stone work Column or structural steel work with Dry Fixing method.	95.00	SMT		
41	Providing and fixing glass fibre reinforced concrete (GFRC) cladding work in heritage theme porch. cladding colour, aesthetic should matching with existing Building them and language of the building. Scope including supply, testing, erection of architecture column, panels,cladding , screen, as per architecture design in approved size,shape, geometry, pattern , design, thickness and colour as approved. The architecture column, panels, screen should be made with 53 Grade with white Portland Cement manufactured by cement or equivalent, Alkali Resistant Glass fibres manufactured by 'OVC' or equivalent, Quatz, fine silica sand, super plastecizers, manufactured by 'BASF', 'MYK Schomborg' or Equivalent, U.V resistant Synthetic inorganic Pigments should be used for pigmentation manufactured by 'Bayferrox' or Equivalent , the material casting should take place in synthetic rubber / FRP mould or equivalent. The fixing of gfrc cladding should be dry fixing i.e. to be done with stainless steel (SS-304) 'L',shape clamps, channel, dash fasterns, all necessary connection hardware, cast in place hardware, supports. and pins etc.. Rate shall including of cost of clamps,supports, pins, wooden strip, embedded/ end wooden block cost of material, cost of laboure, cost of transportation, scaffolding, with taking care of all necessary safety precaution, PPE etc. complete as per Detail Drawings and Design as directed by architect/Engineer In Charge.	145.00	SMT		
42	Providing and laying 25mm thick Dholpur/dhangadhra/ sand stone slabs as approved work (machine cut edges) for wall lining/dedo/jambs/cladding any height etc. (Veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 Cement : 3 sand) and jointed with Cement mortar 1:2 (1 cement : 2 marble dust) including rubbing and polishing, exposed face dressed and rubbed complete as per Details and instruction of EIC.	1275.00	SMT		
43	Providing and fixing precast concrete kerb stone of gray cement based concrete block 30cm length, 30cm height and 15cm thick of M250 garde concrete. Kerb stone should be of Eco-Friendly/Recycled matrial as per approved design and make including excavation for fixing in proper line and level, filling the joint with C:M 1:3 (1cement:3 fine sand) etc complete. Rate shall include, excavation,disposal of excavated soil after backfilling, cost of laboure, Filling joints with Cementnious mortar,in true line and level as per Detail and drawings with all lead and lift, cost transportation, cost of material, complete in all manner as Dirrected by Engineer-In-Charge (Actual and Net Measured quantity will be paid)	200.00	RMT		

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 characters)	Item Description	Total Qty	UNIT (upto 50 characters)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
44	Providing and laying of Precast superior quality of Eco Friendly/Recycled material of approved shape & size rubber mould interlock pavers block 60 mm thick of M-400 grade of natural pigment or colour for paving in flooring,foothpath etc.Fixing the paver Block by using pneumatic compressed mechanical viberator on 50-75 thk sand layer for levelling and filling joint with sand Complate as dirrected by Engineer In Charge Rate Shall include Cost of laboure, cost of material , Supply of all necessary tools, tackles , hire charges, transportation wastage, over head and Disposal of excavated unservisible earth (after back filling) away upto 5 km & cleaning the site etc.completed	500.00	SMT		
45	Raking out joints of stone masonry surface to the required width and depth, with due care and precaution, by mechanical / manual means, including preparing and cleaning the surface for re-pointing/ refilling of joints, including disposal of rubbish to the dumping ground within 50 metre lead. for any height.	487.00	SMT		
46	Heritage stone chemically treated cleaning for marble/sand stone as instructed by Consultant. The stained stone areas on the façade and other areas shall be cleaned with liquid Ammonia Chemical of 5% solution and other chemical cleaning agent as approved by conservation architect/Consultant. Cleaning should be executed in a way of chemical treatment by removing all the marks, ink and colour damages ,unwanted matter such as carbon, stubborn dirt's, scale, graffiti and certain kinds of Paints, Ficus and Ivy Growth, lichen growth from the surface. Soft fiber / plastic bristled brushes may be used to scrub the stone surfaces. Care should be taken to use the system gently avoiding any damage to the substrate surface. The cleaned surface shall be misting rinsed with water/pressure water jet and air-dried ect and restored with a protective silicon coating. Scope shall be all-inclusive (Including the structural scaffold -Cup lock Type and cleaning and pointing) , of supply and application of one coat of primer and two channel, dash fasterns, all necessary connection hardware, cast in place hardware , supports. and pins etc.. Rate shall including of cost of clamps,supports, pins, wooden strip, embedded/ end wooden block cost of material, cost of laboure, cost of transportation, scaffolding, with taking care of all necessary safety precaution, PPE etc. complete as per Detail Drawings and Design as directed by architect/Engineer In Charge.ss part and 6013 for rest or as directed by Engineer-in-charge. 3. Welding rod to be preheated to 60 degrees centigrade before usage. 4. If fabrication work is done at site then contractor will have to bear the electricity consumption charges.ts, finishingitems/Scaffolding, and for all heights as per complete as per instruction of engineer-in-charge and consultant. f the work. No extra claim shall be entertained later.)	2500.00	SMT		
47	Providing and applying antifungal wash treatment using 3% solution of sodium pentachlorophenate, of reputed brand and manufacturer, on cleaned sand stone surface at desired locations as per direction of Engineer-in-charge (The rate is inclusive of all materials & labours and scaffolding).	875.00	SMT		
48	Applying two or more coat of Ethyl Silicate chemical as approved by Archaeological Survey of India/ Engineer-in-charge, of approved brand and manufacturer, with brush or spray on the existing stone masonry surface till there is no further absorption of chemical by stone surface, including protecting the applied surface from direct sunlight by suitable means during application, all complete as per direction of the Engineer-in-Charge (The rate is inclusive of all materials & labours involved except scaffolding)	184.00	SMT		
49	Applying breathable, non-reactive, antifungal, and water repellent Silane/ Siloxane chemical as approved byArchaeological Survey of India/ Engineer-in-charge, of approved brand and manufacture, diluted with solvent mineral Turpentine oil in the ratio of 1:12 (One part of approved chemical :12 Part of Turpentine oil), on the existing sand stone masonry surface with two or more coats to give uniform application of chemical on the surface, all complete as per direction of Engineer-In-charge (The rate is inclusive of all materials & labours involved except scaffolding).	345.00	SMT		

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 characters)	Item Description	Total Qty	UNIT (upto 50 characters)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
50	Repair and restoration of heritage elements such as chajja, cornish stone, moulding and stone in chajja/projection. matching with existing them and language. Special Care should be taken to use the system gently avoiding any damage to other the substrate surface.The scope shall inclding of repair and restore of heritage elemnts chajja with taking care of necessary safety protection ,PPE, scaffolding, staging, etc . The rate shall including of cost of material, cost of laboure, cost of dismantleding , trasporation, over head, any lead to any lift, disposal of dismantled matetial out side Gujarat University Campus and dispose, cost of scaffolding, repair with all necessary fixtures, all complate as directed by Conservation architect/Engineer In charge.	25.00	SMT		
51	Providing and installation of Dholpur Chajja of 1000x600 mm in size with end support bracket of decorative works stone as per design and drawings approved. The scope shall including of supply of stone , ornamental/architecture works including moulding, cornish. supply of necessary tools with taking care of necessary safety protection PPE , scaffolding, staging etc. The rate shall inclding of cost of material , cost of laboure, wastage, over head , to any lead/lift. <u>complate as directed by Engineer In Charge.</u>	75.00	nos		
52	Providing and fixing of sand stone 20-40 mm thk application on wall lining/dedo/jamb/clading up to any lead to any lift in Cement Mortar (1:3) Cement : fine sand (sand 0.25 mm with 5% Acrylic resin Nafufil) inclding cutting edge, making fixing V-grove, Champher edge, rubbing and polishing, exposed face dressed and rubbed complete etc. fine sand to be sieved as per instruction of Engineer In charge The rate shall including of cost of material, cost of laboure,sampeling, testing, cleaning adjoining premises after work completed , work shall executed with taking all necessary safety proteation PPE, scaffolding, complete as per specification and directed by Engineer In Charge .	145.00	SMT		
53	Providing and Laying 18-20 mm thick mirror polished, machine cut Granite (Colour As Approved by Consultant) in floor, steps, wall and dado etc. laid over 20 mm thick base cement mortar 1:6 (1 cement : 6 coarse sand) in true line and plain level with cement slurry to fix on wall / dado are cut according to the size and shapes given in drawing or to suit site dimension of the room and desired pattern with joints treated with white cement mixed with matching pigment , adhesive like araldite, including rubbing, curing, semi-mirror polishing, mirror polish, nosing of corners, cutting in profile, architectural works, etc. complete as per directions of Engineer In charge. [Rate to include all labour, material, tools, tackles, hire charges, trasportation, water charges, wastage, overheads etc. complete.] Actual/Net quantities measured shall be paid	58.00	SMT		
54	Providing and laying Machin Cut mirror polished kota stone of any size and shape with groove as per drawing and detail laid over base of average 20 mm(more if required) in 1: 6 (1 Cement , 6-Course Sand) fixing kota with cement slurry including rubbing, moulding and mirror/semi-mirror polishing,etc. complete. Rate shall include, cost of laboure, Filling joints with Cementnious mortar , fixing in true line and level as per Detail and drawings with all lead and lift, cost transportation, cost of material, complate in all manner as Directed by Engineer-In-Charge (Actual and Net Measured quantity will be paid)	75.00	SMT		
55	Providing and laying Machin Cut mirror polished kota stone in risers of steps, skirting Dedo, wall dedo and pillars laid on 10mm thick cement mortar 1:3 (1-Cement:3coarse sand) adjoining with cement slurry including rubbing, moulding and mirror/semi-mirror polishing,etc. complete. Rate shall include, cost of laboure, Filling joints with Cementnious mortar , fixing in true line and level as per Detail and drawings with all lead and lift, cost transportation, cost of material, complate in all manner as Directed by Engineer-In-Charge (Actual and Net Measured quantity will be paid))	78.00	SMT		
56	Removal of existing signage mounted on the tower building. The signage of "Gujarat University" fixed on the tower shall be removed and lowered to the ground for reinstallation on a new location as suggested by the EIC or consultant.Scope shall including carefully removing the existing signage. Special Care should be taken while removing signage gently avoiding any damage to the substrate surface.with taking necessary safety protection scaffolding, staging, PPE etc. The rate shall including of	1.00	JOB		

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 character s)	Item Description	Total Qty	UNIT (upto 50 charact ers)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
57	Repairs and resoration of heritage elements.such as various chajjas, stone clading, patti, flooring etc carved stone elements. Restoration work should matching with theam and language of the existing building. The Scope shall cover clading, stone architecture work, carving, replace damaged stone in chajja , projection, porch, etc. including of dismantling of deteriorated prominent marked area stonework and reconstruction of the same. The rate shall including of cost of material, laboure, transportation , all lead and lift, overhead, disposal of dismantled material , with taking care of necessary safety protection scaffolding, PPE etc.	2.00	CMT		
58	Providing and fixing extruded aluminium window & Vent (2 track & 3 Track) having extruded aluminium Anodized section frame built up standard tubular and other section of approved make confirming to IS 733 and IS 1285 , Three/Two track member size with sliding shutters of horizontal member, vertical member Confirming to IS 733 and IS 1285 fixed with rawl plug abd screws or fixing clips ,or with expansion hold fasteners including necessary filling up of gaps at junctions, at top ,bottom and sides with required PVC/ Neoprene felt, glass of approved make etc. Aluminum sections shall be smooth, rust free, straight.mitred and jointed mechanically wherever required including hardware such as cleat angles aluminum snap beading for glazing /paneling, CP Brass/ Stainless steel screws, Stoppers, floor hing, S.S. Hinges, aldrop , Locking system , Floor Springs , Pivot and fixtures and transparent silicon sealant glass fixing to frame as per details all complete as per architectural drawings and the direction of Engineer in Charge. rate incl. all type of alumnium secons for , windows and Vents with 5/8/12 mm th. tinted glass as per the detail Architectural dwg.	575.00	SMT		
59	Providing and fixing aluminium Door work(Single Shutter OR Double Shutter) of Anodized aluminium section frame built up standard tubular and other section of approved make confirming to IS 733 and IS 1285 , member size with shutters of horizontal member , vertical member Confirming to IS733 and IS 1285 fixed with rawl plug abd screws or fixing clips or with expansion hold fasteners including necessary filling up of gaps at junctions at top bottom and sides with required PVC/ Neoprene felt, 8/12 mm toughened glass of approved make etc. Aluminum sections shall be smooth, rust free, straight.mitred and jointed mechanically wherever required including Door Hardware such as cleat angles aluminum snap beading for glazing /paneling, CP Brass/ Stainless steel screws, Stoppers, heavy duty floor hing, S.S. Hinges, aldrop , Locking system, heavy duty Floor Springs, Pivot and fixtures and transparent silicon sealant glass fixing to frame as per details all complete as per architectural drawings and the directi/ Net measured quantities shall be paid.) light with IP68(one at each jet) protection stainless housing, SMPS &	75.00	SMT		
60	Wooden paneling - Laminate finish Providing & fixing Wall paneling made of 18mm thick plywoode frame structure as per site requirement.All Expose part cover with laminate finished and povision of openable panel for electrical conducting and net wiring etc. All exposed edge wooden beading finished with melamine polish on surfaces openable facility with necessary hardware as per design and instruction as directed by site in-charge or architect.complete as per detail drawing. including cost of required Cut-Outs, decorative mouldings /finishingitems/Scaffolding, and for all heights as per complete as per instruction of engineer-in charge and consultant.	355.00	SMT.		
61	Wooden paneling - Veener finish Providing & fixing Wall paneling made of 18mm thick plywoode frame structure as per site requirement. All Expose part cover with Veener finished with grove and povision of openable panel for electrical conducting and net wiring etc. as per drawings and details which ever is higher All exposed edge wooden beading finished with melamine polish on surfaces openable facility with necessary hardware as per design and instruction as directed by site in-charge or architect.complete as per detail drawing. including cost of required Cut-Outs, decorative mouldings /finishingitems/Scaffolding, and for all heights as per complete as per instruction of engineer-in charge and consultant.	400.00	SMT.		

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 characters)	Item Description	Total Qty	UNIT (upto 50 characters)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
62	Providing and fixing of decorative plaster of paris (gypsumanhydrous) pillars as per architecture design and drawings as approved by Institute Authorities. .Cornice is made from a gypsum plaster core encased in a white paper lining conceal any surface cracs or sattelment cracks where cealing and componenet jonts meet.Rate shall including of make die form as per architetur deisgn, cost of material ,cost of ornamental works, cost of labour, wastage, overhead, installation , supply of necessary tools with taking care of necessary safety protection , scaffolding , staging etc complete as per design and drawings as directed by Engineer In Charge.	6.00	Nos		
63	Full ht. Partly glazed partition Providing and fixing full height partly glazed partition with 8mm glass installation upto ceiling or beam bottom as per drawing and the structural framing of Aluminum square pipe size of 50mm x 25mm and 1.6mm thick all vertical and horizontal member 600mm c/c both direction fixed by aluminum angle size of 25mm x 25mm x 25mm for proper finishing with both side cover with 8mm plywood with grooving detail as per design. All exposed edges shall be covered with necessary sizes wooden patti finish with melamine polish in approved shade. The plywood fixing properly without any air gap and finishing with selected laminate finish as per design. The glass shall be finished with vinyl film as per design. Before installation, make hole/face plate for conduit pipes of electrical / networking cables with openable stud from partition. Rate shall include necessary itching film, Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in charge and consultant. (Mode of measurement shall be till false ceiling lvl.) (Basic Cost of laminate Rs. 475/ per Smt.)	390.00	SMT		
64	SHERRA Plank false ceiling Providing & fixing SHERRA plank false ceiling fixed on wooden framing made from 18mm thick plywood skeliton structure of MR grade. The structure fixed on slab bottom with neceserry hardware and as per instruction of engineer. The SHERRA plank shall have used as per approved design. The SHERRA plank finish with paint/ polish as per selection and approved shade. The flase ceiling edges finish with teak wood beading finish with melamine polish. The wood size of 2.5" x 1.5" clear size after seasion. The rate shall be Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in charge	60.00	SMT		
65	Wooden Box paneling work Providing & fixing wooden box type paneling on wall and ceiling made of 50mm x 25mm aluminum sqware pipe or 18mm thick plywood skeleton C/C - 600mm horizontal & vertical member structure. The structure covered with 12mm thick plywood finished with 1.0mm thk. Laminate finished and electrical conduiting and net wiring etc. All exposed edge wooden bidding finished with melamine polish on surfaces openable facility with necessary hardware as per design and instruction as directed by site in-charge or architect. Complete as per detail drawing. Including cost of required Cut-Outs, decorative mouldings /finishingitems/Scaffolding, and for all heights as per complete as per instruction of engineer-in charge and consultant. (Basic Cost of laminate Rs. 475/- per Smt.)	50.00	SMT		
66	Supply and installation of wrought iron decorative public seating garden benches as per architecture design and drawings of size of benches 6'6"" x 2'6"as per design and drawings Incl 3 seat arrangement with every seat has 2 stands for hand supports incl. side Iron. patti and decorative design in back and bottom seating area made of teak wood patti. The Side hand support made of wrought iron and powder coated. (cast iron designer frame conforming to IS 1730 made from sand casting method)The bench should painted with anti corrosive paint. Seating bottom area to be wooden melamine polish as directed by engineer in charge. The rate shell including of Supply of bench, fixing with hook embedded in RCC block at suggested or marked place, include powder coating, cost of wood , polishing, painting, all complete as per final architecture drawings and detail as per approved by Architect. Note: Any deviation from the Specified material or approved make in the Bill of Quantities shall need prior written permission fr/ Net measured quantities shall be paid.) light with IP68(one at each jet) protection stai	30.00	Each.		

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 character s)	Item Description	Total Qty	UNIT (upto 50 charact ers)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
67	Supply and installation of Outdoor Seating tables attched with both side seating as per drawings and detail. The table and seating made of pure teak wood with melamine polish as per latest architecture drawings and detail. The rate shall including of supply and installation of the out door seating. Note: Any deviation from the Specified material or approved make in the Bill of Quantities shall need prior written permission from the Engineer in Charge If Changes done without permission consider as breach of contract	15.00	Each.		
68	Providing and fixing in position 3 seaters Designer Bench of approved design and make of minimum area 1.5 meter x 0.60meter. Overall all minimum height 0.80 m consisting of 1. FRP Channel Strip-seat & back with end cap- (C - Section of thickness upto 5mm ,1200mm long with wooden finish bolted to side frames.) 2. BENCH FRAME (cast iron designer frame conforming to IS 1730 made from sand casting method) The rate shell including of Supply of bench, fixing with hook embedded in RCC block at suggested or marked place, include powder coating, cost of wood , polishing, painting, all complete as per final architecture drawings and detail as per approved by Architect.	15.00	Each.		
69	Supply and installation of ornamental decorative Wrought/cast Iron Staircase/Parapet Railing as per drawings and detail as approved from Gujarat University Authority/Consultant. whichever is higher. Rate shall be including of cost of material, cost of laboure, cost of design and decorative elements, fixing on Kota/Granite/stone/rcc as directed. , cost of decorative elements as per deign, supply of all necessary tools and machinary taking care of all necessary safety protection PPE , scaffolding , staging etc . for any lead/lift as directed by Engineer in Charge.	45.00	RMT		
70	Providing and placing in postion stone sculpture of approved design depicting indian culture of minimum size 2000 mm height and 900 mm width made out of sand stone with ornamental works . The work shall be executed as per final architecture drawings and as as per approved design from University Authority.All work as per color, shape, design, carvings and proportions shown in enclosed photographs. The design shall be approved by the authority. All work shall be done as per specifications and satisfaction of authority including all transportation, loading, unloading & fixing . (As per attached photograph) Note: Any deviation from the Specified material or approved make in the Bill of Quantities shall need prior written permission from the Engineer in Charge If Changes done without permission consider as breach of contract	11.00	Each.		
71	Providing and placing in postion stone sculpture of approved design depicting indian culture of minimum size 1200 mm height and 900 mm width made out of sand stone with ornamental works . The work shall be executed as per final architecture drawings and as as per approved design from University Authority.All work as per color, shape, design, carvings and proportions shown in enclosed photographs. The design shall be approved by the authority. All work shall be done as per specifications and satisfaction of authority including all transportation, loading, unloading & fixing . (As per attached photograph) Note: Any deviation from the Specified material or approved make in the Bill of Quantities shall need prior written permission from the Engineer in Charge If Changes done without permission consider as breach of contract	11.00	Each.		

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 character s)	Item Description	Total Qty	UNIT (upto 50 charact ers)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
72	Providing and fixing of Signage Text carved in sand stone/granite as per the approved design shall be engraved over sand stone/granite as The work shall be executed as per latest architecture drawings and as per approved design from University Authority.All work as per color, shape, design, carvings and proportions shown in enclosed photographs. The design shall be approved by the authority. All work shall be done as per specifications . and as satisfaction of authority including all transportation, loading, unloading & fixing . (As per attached photograph)	10.00	SqMt		
73	Providing and fixing of Stain less steel (304 grade) signage embossed/cut in/CNC cut/SS letters design of approved size and shape and fixing at suggested location/place.Steel plate of 3 mm thickness cut area fill with coloured epoxy. The work shall be executed as per final architecture drawings and as per approved design from university authority. all work shall be done as per specification .	60.00	SqMt		
74	Providing and fixing in position self standing FRP approved shape dust Bin of approved design and make of minimum height of 0.85 meter dia/width 0.60 meter (capacity min 80 ltrs) designed for accommodating dry as well as wet kind of trash in the garden made out of in pure polyester Fiberglass Reinforced Plastic (UV resistant finishing) of 2mm thk with matt finish .	20.00	Nos		
75	Preparation of subgrade by excavating 0.45 m x 0.45 m trenches depth earth ,dressing to camber and consolidating with road roller including making good the undilations etc. and disposal of surplus earth for all lead.complete as directed by Engineer In Charge	12000.00	smt		
76	Providing and fixing of pop up sprinkler full /part circle having radius of throw 6.7m - 15.2m & flow of 0.09-0.16 Ltr/ sec at an operative pressure of 2.5-4.5 kg/cm sq. The sprinkler is gear driven rotary type with RC technology having 3/4" bottom inlet, with slip clutch mechanism and heavy duty retract spring memory arc, non-strippable and brass reinforced nozzle turret. the sprinkler shall have multi-function pressure activated wiper seal for low pressure operation. the sprinkler shal have internal seal a metric device which prevents low head drainage upto 3.1m. and hence puddng and erosion. the body of sprinkler is non-corrodible heavy duty ABS plastic 5505.	110.00	Nos.		
77	Providing and fixing of pop up spray head having variable adjustable arc and 2 pieces stem ratchet (0-360). Nozzle capable of covering 0.9-5.5m at 1.0-2.1 bars with a discharge rate of 0.23 - 0.33 lps. The spray head body, stem, nozzle, ratchet, and screen shall be constructed of heavy duty ultra violet resistant plastic and stainless steel with multifunctional wiper seal with small exposed cover US400.	264.00	Nos.		
78	Providing and fixing of 1/2" pop up connecting swing joint assembly. The tubing shall be made of polythene having wall thickness of 2.3 a working pressure of 5.5 kg/sqcm at 43°C and surge pressure of 16.6 kg /cmsq. The fittings shall be made of UV resistant thermo plastic SA series.	264.00	Nos.		
79	Providing and fixing of 3/4" pop up connecting swing joint assembly. The tubing shall be made of polythene having wall thickness of 2.3 a working pressure of 5.5 kg/sqcm at 43°C and surge pressure of 16.6 kg /cmsq. The fittings shall be made of UV resistant thermo plastic SA series.	110.00	Nos.		
80	providing valve 63 mm, providing and fixing brass ball valve security pivot to maintain level in space double light joint direct injection stem non mechanical with a base which permits maximum penetration into the valve. (Ball vaive 63mm dia.)	26.00	Nos.		
81	providing and fixing of a double acting air release valve 3/4" made of hi strength aluminium/ plastic with fibre glass reinforced. The air release valve shall be capable of both releasing and admitting air from and into the line. The working pressure shall be 5 bars.	2.00	Nos.		
82	providing and fixing of 12" rectangle valve box with green lid and corrugated structure with unique showel access slot and bolt hole knockout	26.00	Nos.		
83	providing and fixing of quick coupling valve made up of solid brass with locking cover corrosion ressistant and stainless steel spring, 3RS.	2.00	Nos.		

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 character s)	Item Description	Total Qty	UNIT (upto 50 character s)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
84	Providing and fixing to wall ceiling and floor 6.0 kg.F/Cm2 working pressure poluthene pipes 40 mm dia of the following outside Dia. Low density, complete with special flange compression type fittings ,wall clipsetC. Rate shall Including of joiners, Reducers, End caps, Valves, coluplers all complete and making good the wall ceiling and floor. 40mm Dia	750.00	RMT		
85	Providing and fixing to wall ceiling and floor 6.0 kg.F/Cm2 working pressure poluthene pipes 63 mm dia of the following outside Dia. Low density, complete with special flange compression type fittings ,wall clipsetC. Rate shall Including of joiners, Reducers, End caps, Valves, coluplers all complete and making good the wall ceiling and floor. 63 mm Dia	150.00	RMT		
86	Providing and fixing to wall ceiling and floor 6.0 kg.F/Cm2 working pressure poluthene pipes 90 mm dia of the following outside Dia. Low density, complete with special flange compression type fittings ,wall clipsetC. Rate shall Including of joiners, Reducers, End caps, Valves, coluplers all complete and making good the wall ceiling and floor. 90 mm Dia	300.00	RMT		
87	Supply, instalation,testing and commissioning of 3 phase, 10 HP monoblock submersible pump with Copper rotor, SS body (crompton/kirloskar make or as approved) having 12 m head with discharge 5000 LPM approx. and making all GI pipe connections to all the fountains of item no__ including making one out let connection to drain the water of the pool by using same pump. Water proof cabling of suitable size to be supplied and laid properly from pump to control panel including jointing etc. The above work includes all kind of material i.e. cement, bricks, ball valves, unions, other fittings etc. if needed to complete the work	1.00	Pcs		
88	Supply of Soil Mixture: Soil Mixture consist of Fertile river soil (River Kaamp) 60%,Farm Yard Manure 40%. Compaction is require before finalized the levell.	2400.00	CMT		
89	Plantation of Different Plams : Pits of size 900x900x900mm filled with 50% of mother earth and balance 50% filled with a mixture of garden soil and manure in the ratio of 3:1:1 Rate to include supply of healthy trees as per the specs, termite treatment, labour charges for pitting mixing soil media,filing the pits with soil media,planting the palmtree with 12 months maintenance, with replacement of palm incase if mortality. Plant material Specification will be height of 10 ft to 12ft, bushy, 4-5 branches) - Triangle Palm	20.00	Nos.		
90	Do - Cycus revoluta	20.00	Nos.		
91	Do - Green Vinchia Palm	30.00	Nos.		
92	Do - Latania rubra	4.00	Nos.		
93	Do - Phycus blakina	40.00	Nos.		
94	Do - Phycus golden	40.00	Nos.		
95	Plantation of Different Trees : Pits of size 900x900x900mm filled with 50% of mother earth and balance 50% filled with a mixture of garden soil and manure in the ratio of 3:1:1 Rate to include supply of healthy trees as per the specs, termite treatment, labour charges for pitting mixing soil media,filing the pits with soil media,planting the tree with 12 months maintenance with replacement of tree incase if mortality. Plant material Specification will be height of 10 ft to 12ft, bushy, 4-5 branches, 3"irth)	125.00	Nos.		
96	Plantation of Different Shrubs : Pits of size 300x300x300mm filled with 50% of mother earth and balance 50% filled with a mixture of garden soil and manure in the ratio of 3:1:1 Rate to include supply of healthy shrubs as per the specs, termite treatment, labour charges for pitting mixing soil media,filing the pits with soil media,planting the shrub with 12 months maintenance with replacement of shrubs incase if mortality. Plant material Specification will be height of 2'6-3'.	7500.00	Nos.		

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 characters)	Item Description	Total Qty	UNIT (upto 50 characters)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
97	Plantation of Different Hedge : Pits of size 300x300x300mm filled with 50% of mother earth and balance 50% filled with a mixture of garden soil and manure in the ratio of 3:1:1 Rate to include supply of healthy shrubs as per the specs, termite treatment, labour charges for pitting mixing soil media, filling the pits with soil media,planting the shrub with 12 months maintenance with replacement of Hedge incase if mortality. Plant material Specification will be height of 2'-3'. - Bouganvelias glabra	750.00	Nos.		
98	Do - Lawsonia inermis	750.00	Nos.		
99	Do - Leucocephala fructanthes	750.00	Nos.		
100	Do - Acalypha wilkensiana	750.00	Nos.		
101	Do - Phycus Panda	750.00	Nos.		
102	Plantation of Lawn area : Garden soil is to be spread on garden upto a depth of 75mm and mixed with manure to attain a total depth of 100mm to form the final garden surface. Surface preparation is by raking and mixing to attain a smooth finished surface and planted with rooted slips of the specified grass species. Rate to include supply of grass species with termite treatment, labour charges for mixing soil media in the desired proportion,planting of grass with 12 months maintenance with replacement of grass patches incase if mortality and includes 2 time top dressing cost must.	10000.00	SqMt		
103	Supply, instalation,testing and commissioning of fountain system 5 nos of nozzles per meter Span. full length of Fountain spanig 18 meter. Adjustable Brass Nozzles : Nozzle Orifice 3mm, Angle Adjustable clear stream jets are most adaptable and cost efficient nozzle to produce crystal-clear water effect on illuminating. An array of adjustable clear stream jets arranged in lines or rings formation create delighted water effects. The nozzle is adjusted up to 15o off center to the axis for ease of installation and designing various water patterns. A flow straighter is nestled internally for nozzles of 3/8"-1 1/2" inlets. This in turn helps in better alignment of water molecules optimum use of pump head. Better alignment of water results in lesser friction resulting in great spray height from less pressure.	90.00	Pcs		
104	Brass reducer-UPVC: Supply, instalation,testing of 1" inlet manifold coupler made of brass with grove for fixing UPVC coupler with 3mm rubber bushing.	90.00	Pcs		
105	UPVC coulpler: Supply, instalation,testing of 1"grove coupler, hi strength - with 3mm ruber bushing	90.00	Pcs		
106	UPVC Tee Joint: Supply, instalation,testing of 1" X 2.5" UPVC Reducer asembly coupler with lockable groves	90.00	Pcs		
107	Supply, instalation,testing of UPVC Tee main Joint : 2.5" main joint Tee	1.00	Pcs		
108	Supply, instalation,testing of UPVC Elbow Main joint: 2.5" Elbow joint	3.00	Pcs		
109	UPVC Water Delivery Pipe: 2.5" high strength, hi pressure pipe @minimum 6Kg/cm2 pressure tollerance (UPVC)	6.00	Pcs		
110	Supply, instalation,testing of UPVC Endcap: 2.5" Endcap with water proof rubber bushing	1.00	Pcs		
111	Supply, instalation,testing of UPVC Online Valves: 1" online brass valves for fountain pressure control	90.00	Pcs		
112	Supply, instalation,testing and commissioning of Pressure/ Air release valve: 2.5" online air release valve	1.00	Pcs		
113	Supply, instalation,testing and commissioning of Pressure Guage : 2.5" online pressure guage	1.00	Pcs		
114	Supply, instalation,testing and commissioning Disc filter 2.5" disc filter	1.00	Pcs		

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 character s)	Item Description	Total Qty	UNIT (upto 50 characters)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
115	Supply, instalation,testing and commissioning of 3 phase, 15 HP monoblock submersible pump with Copper rottor , SS Body (crompton/kirloskar make or as approved) having 10 metre head with discharge 5000 LPM approx. and making all GI pipe connections to all the fountains of item no. 1 including making one out let connection to drain the water of the pool by using same pump. Water proof cabling of suitable size to be supplied and laid properly from pump to control panel including jointing etc. The above work includes all kind of material i.e. cement, bricks, ball valves, unions, other fittings etc. if needed to complete the work	1.00	Pcs		
116	Supply, instalation,testing and commissioning of IP66 Waterproof LED Lights , with adjustable light angle with Stailess steel or Aluminum body and IP 68 wire Rate shall including of neccessary Fixtures complete in all manner nozzle mounted LED light, water proof up to 3 meter	30.00	Pcs		
117	Supply Installation and testing of Electrification and wiring for fountain water body including all waterproofing fittings and fixtures , cost of wire , complete in all manner. Including cost of material, cost of laboure all complete as per detail drawings directed by Engineer In charge	1.00	JOB		
118	Supply Installation and testing of Plumbing in fountain waterbody including end to end connection water source pump to discharge point . Including cost of material, cost of laboure all complete as per detail drawings directed by Engineer In charge	1.00	JOB		
119	Supply, installation, testing and commissioning of multi-jet fountain or similar type, fountain, height as per specification and detail drawings (fountain system with min. 5 nos of nozzles per meter of) with the following accessories. The work shall executed as single job work. location will be as per latest architecture drawings and detail. Rate Shall including of Cost of material laboure, overhead , underground piping ,ectrification wiring, lights and fixtures as suggested by Architect/Engineer In Charge. All pipes should be ISI marked. All material used are of standard Indian make approved by Engineer In Charge./Architect Pipes and other fixtures are to be of non-corrosive material. Intrigal pipes and nozzle are to be made of brass.the above work includes all kind of material i.e. cement, bricks etc. if needed to complete the work.Detailed accessoried listed below. (i) 3-phase mono submersible pump(7.5 HP, 415 Volt); (ii) 4 ft. dia FRP ring floater with SS frame; (iii)3" brass multi jet nozzle; (iv) 12 Watt LED RGB underwater power beam light with IP68(one at each jet) protection stainless housing, SMPS & Controller; (v) 4 nos. MS Anchor with SS rope; (vi) GI / PVC pipes, fittings and valves (ISI marked) and hardware fittings as required for installation; (vii) Outdoor starter panel / control panel for submersible pump and lighting (viii) 4" SS Suction filter (ix) 4x3 Water Distributor. (x)Water proof ISI mark Lights and electrification.	1.00	JOB		
120	Providing and Fixing Concealed center point to wall ceiling & floor CPVC (SDR 13.5) pipe15 mm Dia having National Sanitation Foundation (NSF) seal for potable water of following dia. Nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. (15mm Dia)	189.00	RMT		
121	Providing and Fixing Concealed center point to wall ceiling & floor CPVC (SDR 13.5) pipe 20 mm Dia having National Sanitation Foundation (NSF) seal for potable water of following dia. Nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. (20mm Dia)	122.00	RMT		
122	Providing and Fixing Concealed center point to wall ceiling & floor CPVC (SDR 13.5) pipe 25 mm Dia having National Sanitation Foundation (NSF) seal for potable water of following dia. Nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. (25mm Dia)	85.00	RMT		

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 character s)	Item Description	Total Qty	UNIT (upto 50 charact ers)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
123	Providing and Fixing Concealed center point to wall ceiling & floor CPVC (SDR 13.5) pipe 32 mm Dia having National Sanitation Foundation (NSF) seal for potable water of following dia. Nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. (32mm Dia)	42.00	RMT		
124	Providing and Fixing Concealed center point to wall ceiling & floor CPVC (SDR 13.5) pipe 40 mm Dia having National Sanitation Foundation (NSF) seal for potable water of following dia. Nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. (40 mm Dia)	46.00	RMT		
125	Providing and Fixing Concealed center point to wall ceiling & floor CPVC (SDR 13.5) pipe 50mm Dia having National Sanitation Foundation (NSF) seal for potable water of following dia. Nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. (50mm Dia)	56.00	RMT		
126	Providing and fixing to wall ceiling and floor 6.0 kg.F/Cm2 working pressure poluthene pipes 110mm dia of the following outside Dia. Low density, complete with special flange compression type fittings ,wall clipsetC. Including making good the wall ceiling and floor. 110mm Dia	65.00	RMT		
127	Providing and fixing PVC SWR Nahni trap IS 14735 for drain- 100mm dia with s.s jali of self cleansing design with C.I scread down or hinged grating including the cost of cutting and making good the walls.	5.00	NOS		
128	Providing and fixing PVC SWR Nahni trap IS 14735 for drain- 75mm dia with s.s jali of self cleansing design with C.I scread down or hinged grating including the cost of cutting and making good the walls.	5.00	NOS		
129	Providing & fixing Gunmetal Check or non return full way Wheel Valve / Handle Valve ISI mark only. Joints shall be sealed by pipe sealant. For Water pipeLines (15mm Dia)	10.00	NOS		
130	Providing & fixing Gunmetal Check or non return full way Wheel Valve / Handle Valve ISI mark only. Joints shall be sealed by pipe sealant. For Water pipeLines (20 mm Dia)	10.00	NOS		
131	Providing & fixing Gunmetal Check or non return full way Wheel Valve / Handle Valve ISI mark only. Joints shall be sealed by pipe sealant. For Water pipeLines (32mm Dia)	5.00	NOS		
132	Providing & fixing Gunmetal Check or non return full way Wheel Valve / Handle Valve ISI mark only. Joints shall be sealed by pipe sealant. For Water pipeLines (40mm Dia)	5.00	NOS		
133	Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 K.A. at 415 V. having normal current rating upto 125A. with Fixed thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	2.00	Ea.		
134	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity (b)40 Amp. Cat.III	2.00	No		
135	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity (b)63 Amp. Cat.III	2.00	No		
136	Providing & erecting 240 V MCB double pole switch for motor & inductive load (C Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity (A) 6 to 32 Amp. Cat.III	18.00	Ea.		
137	Supplying and erecting Ammeter / Voltmeter selector switch for 3 phase AC Supply 500 V on existing panel board with necessary connections.	4.00	No		
138	Supplying and erecting approved make panel mounting type Digital Ammeter having 3 digits LED display, external CT operated, calibrated for 0 to 1000 Amps suitable to operate on 500 Volt AC , erected on existing panel board with all connection, wiring etc .with manufacturers calibration certificate.	2.00	No		
139	Supplying and erecting approved make panel mounting type Digital Voltmeter having 3 1/2 digits LED display, 0 to 750 AC Volts range erected on existing panel board with all connection, wiring etc .with manufacturers calibration certificate.	2.00	No		

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 character s)	Item Description	Total Qty	UNIT (upto 50 charact ers)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
140	Supplying and erecting approved make set of indicator lamps of LED type lamp, lense cover, Bakelite holder complete erected with necessary connections.	2.00	No		
141	Providing & erecting L.T. Current Transformer with bar primary 50/5 to 1000/5 ratio 15 VA burden erected in existing CRCA box duly secured with insulating materials connected to the meter	6.00	No		
142	Supplying and erecting tripple pole & neutral 440V / 500V panel mounting Copper Busbars with four equal Nos. of electrolyte bus having current density not more than 1.6 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports /insulators, main cable socket to each bar, erected in existing cubical panel with necessary connections. (B) Suitable for 200 Amp. capacity	2.00	Rmt		
143	Supplying and erecting tripple pole & neutral 440V / 500V panel mounting Copper Busbars with four equal Nos. of electrolyte bus having current density not more than 1.6 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports /insulators, main cable socket to each bar, erected in existing cubical panel with necessary connections. (A) Suitable for 100 Amp. Capacity	10.00	Rmt		
144	Providing & erecting weather proof, dust & vermin proof, floor mounted front operated indoor type cubical panel board having IP-64 protection made from 14 SWG thick CRC M.S. sheet for outer body & doors, 16 SWG thick CRC M.S.sheet for internal partitions with necessary supporting angles, flats including cutting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-in-charge with erection of supplied switch gears, busbars, with suitable size of inter connecting PVC copper wire / copper-aluminum strips, rubber grommets, rib, bakelite control fuses for measuring instruments, earth bus & earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket complete. The Panel shall be painted with epoxy powder coating. (The rates excludes the cost of switchgears, bus bars, inter connecting mains & Copper Aluminum strips, meters, Fuses etc. The dimension shall be measured exonsultant. (Mode of measurement shall be till false ceiling lvl.) (Basic Cost of laminate Rs. 475/- per Smt.)d glass as per the detail Architectural dwg.ts, pins, wooden strip, embedded/ end wooden block cost of material, cost of labour, cost of transportation, scaffolding, with taking care of all necessary safety precaution, PPE	1.20	Sq.Mtr		
145	Supplying & erecting power contactor for time switch complete erected as per direction Cat III [D] 4 pole 440V 40 Amp.	2.00	Ea.		
146	Supplying & erecting approved make Digital time switch having lithium cell 6 years operative and operate battery backup 1 channel day clock with 14 memory programme, suitable to operate on 240V + 5%, 16A with, floating contacts Minimum switching setup time 1 minimum & LCD display. Also comprised permanent ON/OFF switching. Programming switches & housed in fire proof thermoplastic enclosure & transperent cover erected as required with necessary connection erected as directed.	2.00	Ea.		
147	Supplying & erecting IP 55 grade 150 x 90 x 75 cms section pillar fabricated from 14 Gauge thick joint less M.S. Sheet with angle iron legs 95 cms long made from 40 x 40x 6 mm thick. Jointless M.S. Angle with cable clamps to be burried in ground to have appropriate erection to work Uniform Until erected with cement concrete foundation and 45 cms high bricks work finishing with plaster etc. hinged double door with 4" x 6" vision panel covered with Mesh & V. panel overlapping with flap for meter reading internally supported on both side, with internal and outside looking arrangement with look and keys in duplicate 40 x 40 x 6 mm M.S. Angle of Two Nos. one is welded and other with nut and bolt for erecting backlite sheet. Painting the Section Pillar inside and out side with three tank powder coated paint. section pillar roof should be without joint with water leakage proof & tested as per IP 55 test & followed by IS 2147 of 1962	2.00	Ea.		

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 character s)	Item Description	Total Qty	UNIT (upto 50 characters)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
148	Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. (b) One wire 1.50 sq. mm	40.00	Rmt		
149	Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. (e) One wire 6.00 sq. mm	75.00	Rmt		
150	Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. (f) One wire 10.00 sq. mm	85.00	Rmt		
151	Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. (h) One wire 25.00 sq. mm	50.00	rmt		
152	Miniature circuit breaker single pole 6A to 32A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. conforming to IS 8828/1996 with ISI Mark Cat.III	30.00	Ea.		
153	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (C) 3 1/2 core 70 Sq. mm (35 Sq. mm 1/2 core)	45.00	Mtr.		
154	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (B) 3 1/2 core 50 Sq. mm (25 Sq. mm 1/2 core)	122.00	Mtr.		
155	(F) 3 1/2 core 150 Sq. mm (70 Sq. mm 1/2 core)	6.00	Mtr.		
156	(H) 3 1/2 core 240 Sq. mm (120 Sq. mm 1/2 core)	6.00	Mtr.		
157	(J) 3 1/2 core 400 Sq. mm (185 Sq. mm 1/2 core)	6.00	Mtr.		
158	(D) 3 1/2 core 95 Sq. mm (50 Sq. mm 1/2 core)	6.00	Mtr.		
159	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (c) 4 core 10 Sq. mm	245.00	Mtr.		
160	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cable. (A) 3 core 2.5Sq. Mm	198.00	Mtr.		
161	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables. (C) 3 core 6 Sq. mm	198.00	Mtr.		
162	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (a) 2 to 4 core 2.5 Sq. mm	220.00	Ea.		
163	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (c) 2 ot 4 core 6 Sq. mm	202.00	Ea.		
164	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (d) 2 ot 4 core 10 Sq. mm	202.00	Ea.		

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 characters)	Item Description	Total Qty	UNIT (upto 50 characters)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
165	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (B) 3 & 1/2 core 35/50 Sq. mm	2.00	Ea.		
166	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (C) 3 & 1/2 core 70 Sq. mm	2.00	Ea.		
167	Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (F) 70 Sq.mm.	2.00	Ea.		
168	Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (E) 50 Sq.mm.	12.00	Ea.		
169	Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (D) 25 Sq.mm.	59.00	Ea.		
170	Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (B) 10 Sq.mm	305.00	Ea.		
171	Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (A) 1.5/ 2.5/4/6 Sq.mm	275.00	Ea.		
172	Solderless crimping type Copper lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (A) 1.5/2.5 to 6 Sq.mm	275.00	Ea.		
173	Supplying and erecting Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed. e) 1.50 Sq.mm 3 core round PVC sheathed	78.00	Mtr.		
174	Making trench in soft soil of suitable width of 90 cms deep for laying cable or locating the fault all over the run and backfilling the same and making the surface as normal ground.	275.00	Mtr.		
175	Making trench in Hard murum / Tar Road of suitable width of 90 cms or required depth for laying cable or locating the fault all over the run and back filling the same and making the surface as normal ground. (A)For 35 Sq. mm to 95 Sq. mm cable.	274.00	Mtr.		
176	Providing & laying ISI marked Rigid PVC pipe having 6Kg / cm ² (Class-3) to be erected at road crossing on or floor as directed for laying of cable. The pipes as following size of dia & weight per 6 mtr. (A) 40 mm Dia. (1.68 Kg / 6 RMT)	298.00	Mtr.		
177	Providing & laying. R.C.C. hume pipe for cable to be laid 90 cms. below ground across the road crossing or on floor with necessary material in an approved manner and making the ground as per original. (A) 250 mm dia	60.00	Mtr.		
178	Providing & laying. R.C.C. hume pipe for cable to be laid 90 cms. below ground across the road crossing or on floor with necessary material in an approved manner and making the ground as per original. (C) 100 mm dia.	15.00	Mtr.		
179	Providing & laying. Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II)with necessary connecting accessories of same material at required depth for laying of cable. below ground / road surface for enclosing cable and back filling the same to make ground as per original. (A)50 mm dia	125.00	Mtr.		
180	Providing & laying. Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II)with necessary connecting accessories of same material at required depth for laying of cable. below ground / road surface for enclosing cable and back filling the same to make ground as per original. (B)90 mm dia	145.00	Mtr.		

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 character s)	Item Description	Total Qty	UNIT (upto 50 characters)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
181	Supply & installation of 4mtr high street light pole as per drawing complete in all respect as directed by engineer in charge 1) Water tight Junction box with 6 way connector and fuse link. 2) 2 nos 32/38 mm diameter GI pipe for cable entry. 3) Wiring up to the light fixture from the junction box using 3 nos x 1.5 sq. mm. flexible copper wires of specified make. 4) Concrete coping with base plate. 5) Earthing and painting. 6) Excavation.4) Concrete coping with base plate. 5) Earthing and painting. 6) Excavation.	26.00	Ea.		
182	Supplying Steel tubular pole (Swaged) conforming to IS - 2713 (Part-II) 1980. Manufacturing process of steel tubular pole should be as per IS specification. Basic steel tube should be ISI Marked. Pole should be painted by one coat of Zinc comet Primer and two coat of Aluminium /approved paint to be erected on / in existing Foundation. The length of poles are as below. (A) 7.5 mtr. Long Swaged Steel tubular pole (i) pole as per IS code 410-SP-4 with 300 X 300 X 4 mm base plate. (Approximate Pole weight 67 Kg) For burial erection. (ii) Add Extra for M.S. Base plate 300 X 300 X 16 mm for pole, Suitable for mounting on surface of foundation with foundation bolts, with required stiffeners welded with pole. (iii) Add Extra for PU base primer and PU Paint on pole.	25.00	Ea.		
183	Providing street light pole bracket comprising main Light Class MS tube of 4.2 cms. outside dia. complete with suitable M.S. sleeve tubing of approx. 45cms.length and suitable for 76.5mm. /80 mm or require size pole top having sufficient fastners for fixing the brackets and having suitable rise as per site condition as directed and spread of 2 mtr.with suitable welded stiffener reducer and with lock nut complete painted with one coat of Red oxide / PU base primer and two coats of Aluminium / PU paint. Suitable for side entry fitting brackets of following nos of arms.[a] Single Arm bracket 2 Mtr	25.00	Ea.		
184	Providing M-20 / 1:2:4 cement concrete foundation & 70 % PCC from bottom including excavation for the pole of size 45 x 45 x 100 cms. Deep in below ground level with plinth of 45 cms x 45 cms (or 45 cms dia x 45 cms) high upper ground level with necessary curing and finishing in approved manner. (for 4 & 6 mtr pole)	26.00	Ea.		
185	Providing M-20 / 1:2:4 cement concrete foundation & 70 % PCC from bottom including excavation for the pole of size 60 x 60 x 120 cms. Deep in below ground level with plinth of 45 cms x 45 cms(or 45 cms dia x 45 cms) high upper ground level with necessary curing and finishing in approved manner. (for 7.5 & 8/8.5 mtr pole)	32.00	Ea.		
186	Point wiring for Light / Bell with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ceiling complete with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe o f25 mm or as required and accessories Cat. III	48.00	Nos.		
187	Point wiring for secondary light point with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling, complete with earth continuity and necessary connection with primary light with accessories erected on Metal / PVC box covered with 3 mm thick PC(Polycarbonet) / Acrylic sheet for open / concealed wiring.with necessary Lamp holder / ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories cat-iii	10.00	Nos.		

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 character s)	Item Description	Total Qty	UNIT (upto 50 charact ers)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
188	Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (green) both are of .ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling ,complete with 6A Modular type switches and following type of accessories erected on PVC / Metallic box, single mounting base frame covered with textured / metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories cat.III	10.00	Nos.		
189	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate , modules erected with necessary connection. As desired by Engineer Incharge (1)One No. SP 6 Amp. Cat.III	10.00	Nos.		
190	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate , modules erected with necessary connection. As desired by Engineer Incharge (9) 16 Amp. SP one way switch with indicator Cat.III	10.00	Nos.		
191	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate , modules erected with necessary connection. As desired by Engineer Incharge (10) 6/16Amp. Universal socket Cat.III	10.00	Nos.		
192	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (b) 25 mm	190.00	RMT		
193	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (C) 32 mm	278.00	RMT		
194	Providing and fixing of approved make Perforated C type cable tray. Made from pre- galvanized CR sheet steel. The cable tray should be bended as per IS 2062/1079 . with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer incharge.. 300 X 50 X 1.5 mm Thick	25.00	RMT		
195	Supply, Installation testing and commissioning of 5/6W wall mounted light fixtuer	125.00	nos		
196	Supply, Installation testing and commissioning of surface/recess mounted 36/40W LED 600mm X 600mm light fixtuer.	6.00	No.		
197	Supply inatallation and testing of mounting rail type fixture suitable for 1x36 W fluourescent lamp made of stove enamel finish MS sheet steel housing	10.00	Nos		
198	Providing & erecting of 9W LED 1170 lumens Inground Burial light fixture. Bajaj BLWUP 9W WW or approved from GE, Philips & Ensava	12.00	Ea.		
199	Providing & erecting of 9W LED 1170 Lumens under water light fixture. Bajaj BLWUP 9W WW or approved from GE, Philips & Ensava approved from Bajaj, GE, Philips & Ensava	14.00	Ea.		
200	providing & erecting of 5w LED 650 Lumens Up Down light fixture Bajaj BLWUD 70 MHT or approved from GE, Philips & Ensava	12.00	Ea.		
201	Providing & erecting of 12W LED 1560 Lumens Bollard light. Bajaj BGBOL 605 9W WW or approved from GE, Philips & Ensava	50.00	Ea.		

TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY					
SHCEDUL OF RATES					
Item Number (up to 200 characters)	Item Description	Total Qty	UNIT (upto 50 characters)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
202	Providing and erecting, heavy duty flood light integral luminaire comprises die cast aluminium body with heat resistant toughened front glass, silicon rubber gasket,anodised reflector hot deep powder coated cradle clamp with suitable size of necessary built in control gear complete with lamp. (c) With one no. 250 watt HPSV / Metal halide lamp Cat.III Bajaj BJFL 01 250 SVTS or approved from GE, Philips & Ensava	10.00	Ea.		
203	Providing & erecting 43/45W LED type street fixture. Fixture should have die cast aluminium body with optimal heat sink for better thermal dissipation. Fixture should have IP 66 category protection & required driver (controler) of 140-280V AC.The fixture to comply both LM79 and LM 80 guidelines with LED module (XPG LED) 130 lumen/watt with L70 at 50,000 hrs, The complete fixture should be offered with unconditional guarantee of 5 Yrs guarantee. The Fixture Should be able to be Pole Mounted and also bracket mounted , provided with high quality driver for protection against mis wiring , over voltage , and high and low Voltage cut Off, operational for high ambient and high humid environments , THD of driver should be less than 12% and P.F > 0.95 . Also the Fixture should meet the following technical criterias .Voltage 90 to 300v , system efficiency > 80 lm/w , operating current <=700MA, CCT > 5000K ,CRI >65, surge immunity level at least 4KV , the driver should have following compliance certifications IEC 61347-2-13,IEC 61547, CISPR-15 & 61000-3-2, over current , short circuit protection so that the fixture recovers once the fault is removed , over voltage protection i,e should be able to withstand 320v for 48 Hrs .In addition to the above the fixture should have impact resistance of atleast of the range IK08 and able to withstand ambient temperature minus 20 deg to 50 deg and product should be operational in the temperature range of 0 deg to 50 deg and humidity range of 10% to 90% RH.	10.00	RMT		
204	Providing & erecting 40W LED type decorative post top fixture. Fixture should have die cast aluminium body with white powder coated aluminium reflector on top for indirect lighting. Fixture should have IP 65 category protection & required driver (controler) of 140-280V AC. Bajaj BGCP 45W or approved from GE, Philips & Ensava	32.00	Ea.		
205	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 1Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses with company mark/name engraved or embossed 120 to 300 V,Power Factor more than 0.95, THD < 10 % , CCT 5000 K to 5700K, Uniformity ratio >0.45, Luminaire efficacy> 85 lumens/watt . LED driver efficiency > 85 % . CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/ BridgeLux (U.S.A.) make LED used for luminaire. (Each fittings required LM-79 & LM-80 certificates) (A) Street Light (IP-65), Surge - 4KV (f) Above 70 watts to 90 watts. Cat-III Bajaj BRTFG 90W or approved from GE, Philips & Ensava	26.00	Ea.		
206	Providing & erecting 3W LED spike light fixture complete with. Bajaj BLSGV 4W WH or approved from GE, Philips & Ensava	12.00	Ea.		
207	Supplying & erecting in earthpit of minimum bore dia. 225mm size ASH or approved make Safe Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free G.I.Pipes having Outer pipe dia of 80 mm having 80-200 Micron galvanising, Inner pipe dia of 40 mm having 200-250 Micron galvanising, connection terminal dia of 14 mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications. [A] For electrical installation upto 440 V Length of Pipe - 1 Mtr Back filling compound - 1 Nos. of Bag of 15 Kgs.	5.00	No.		
208	Pipe type earthing having 150 cms.long and 2.5 cms. dia. galvanised iron pipe with coupling and buch burried in specially prepared earth pit complete with necessary 8 SWG earth wire.	21.00	Ea.		

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SHCEDUL OF RATES					
Item Number (up to 200 characters)	Item Description	Total Qty	UNIT (upto 50 characters)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
209	Providing and erecting HOT deep Galvanised iron strip wire 8 to 16 S.W.G.	798.00	Kg.		
210	Providing and erecting required size HOT deep Galvanised iron strip for earthing of H.T. , OCB/ ACB/ Transformer LT pannel board, Motors etc. using proper clamp.	150.00	Kg.		
				TOTAL	

Name of work : TENDER FOR CONSERVATION, RESTORATION OF HERITAGE TOWER BUILDING & REDEVELOPMENT OF SURROUNDING AT GUJARAT UNIVERSITY

I / We am/are willing to carry out the work at _____% Above / Below _____ Percent

_____ % (Should be written in figures and words) of the rates mentioned above.

Amount of my / our tender work out as under :

Estimated Amount put to Tender Rs. **4,00,24,570.69**

Estimated Amount put to Tender Rs. **4,00,24,570.69**

Deduct percentage below : Rs.

Add percentage Above : Rs.

In Words _____
.
-

In Words _____
.
-

Signature of Contractor

**The Registrar
Gujarat University
Ahmedbad**

NOTES:

- 1 All Work shall be carried out as per Specification attached and relevant I.S Standards or as directed.
- 2 All the Columns in schedule should be filled in by the Ball Pen or Ink and the total of the entries in the last column should be struck by the Contractor under his Signature.
- 3 Rates quoted include clearance of site (prior to commencement of the work and at its closures) in all respects and held good for the entire work under all conditions, site, moistures, weathers etc.
- 4 To be continued on additional sheets, if found necessary.

Signature of Contractor

**The Registrar,
Gujarat University,
Ahmedabad**