

BID DOCUMENT FOR APPOINTMENT OF CONTRACTOR FOR VARIOUS CIVIL WORKS AT MAHATMA MANDIR, GANDHINAGAR – PHASE 1A/1B

Vol II - Price Bid

Item No.	Item Description	Unit	Approx.. QTY.	Unit Rate (Rs.)	Total amount (Rs.)
I	Excavation & Back Filling works				
1	Excavation in all types of soil excavation. loading, unloading & double handling where required, necessary equipments, tools & plants, dressing the excavation to proper level and grade as required, dumping the soil in the designated area approved by the Authorities, Rate shall also includes all consumables including protecting the sides of excavation as per the nature of site soil condition and safety of excavation etc. complete, as directed. Rate to include for excavation for all leads & lift, loading & unloading , Compacting and leveling. <u>Depth not exceeding 1.5 m from existing level</u>	Cu.M.	170.00		
2	Excavation in all types of soil excavation. loading, unloading & double handling where required, necessary equipments, tools & plants, dressing the excavation to proper level and grade as required, dumping the soil in the designated area approved by the Authorities, Rate shall also includes for all consumables including protecting the sides of excavation as per the nature of site soil condition and safety of excavation etc. complete, as directed. Rate to include for excavation for all leads & lift, loading & unloading , Compacting and leveling. <u>Depth: Form 1.5 m to 3.0 m</u>	Cu.M.	125.00		
3	Excavation in all types of soil excavation. loading, unloading & double handling where required, necessary equipments, tools & plants, dressing the excavation to proper level and grade as required, dumping the soil in the designated area approved by the Authorities, Rate shall also includes for all consumables including protecting the sides of excavation as per the nature of site soil condition and safety of excavation etc. complete, as directed. Rate to include for excavation for all leads & lift, loading & unloading , Compacting and leveling. <u>Depth: Form 3 m to 5 m</u>	Cu.M.	125.00		

BID DOCUMENT FOR APPOINTMENT OF CONTRACTOR FOR VARIOUS CIVIL WORKS AT MAHATMA MANDIR, GANDHINAGAR – PHASE 1A/1B

Vol II - Price Bid

Item No.	Item Description	Unit	Approx.. QTY.	Unit Rate (Rs.)	Total amount (Rs.)
4	Backfilling/Filling with selected available/excavated earth stacked inside the campus in foundation, plinth, floors, trenches or as instructed by client in layers of 20 cm with watering, ramming, compaction with required mechanical or manual means to achieve required dry density and modified proctor density. Item rate inclusive of all transport, taxes - royalties, duties, etc. as well as loading, un-loading, spreading in layers and compaction cost, tools, plants, consumables and labor costs, all complete as per drawing, specifications, instruction & directions of the Engineer-in-charge. Payment will be paid of compacted volume.	Cu.M.	380.00		
5	Providing and back filling/Filling with Sand of approved quality brought from outside in plinth, floors, trenches with watering, ramming, compaction with required mechanical or manual means as per drawing, specifications. Item rate inclusive of all transport, taxes - royalties, duties, etc. as well as loading, un-loading, spreading in layers and compaction cost, tools, plants, consumables and labor costs, all complete as per drawing, specifications, instruction & directions of the Engineer-in-charge. Payment shall be done of compacted volume.	Cu.M.	70.00		
6	Disposing of the surplus excavated earth/debris etc. including loading, unloading, spreading as per required lead outside the campus at non-objectionable place managed by the contractor and approved by Engineer-in-charge in line with statutory requirements and approvals, as per statutory approvals, keeping the site clean, all complete as per instruction and directions of the Engineer-in-charge.	Cu.M.	200.00		
II	Cement Concrete Works				
7	Providing & laying Design Mixed Concrete M-150 and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for reinforced concrete work in foundation Footing base of columns and mass concrete	Cu.M.	25.00		

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Item No.	Item Description	Unit	Approx.. QTY.	Unit Rate (Rs.)	Total amount (Rs.)
8	Providing & Laying Design Mixed Concrete of Grade M25 in all elements at all level, including all lead and lifts, tools & plants, pumping the concrete to all levels, vibrating, curing etc. complete Rate to include for all necessary formwork and supports wherever applicable but excluding cost of reinforcement. For Below Ground	Cu.M.	5.00		
9	Providing & Laying Design Mixed Concrete of Grade M25 Exposed RCC in all elements at all level , including all lead and lifts, tools & plants, pumping the concrete to all levels, vibrating, curing etc. complete Rate to include for all necessary formwork and supports wherever applicable but excluding cost of reinforcement. For Above Ground for all floor levels.	Cu.M.	30.00		
10	Providing & Laying Design Mixed Concrete of Grade M30 in all elements at all level, including all lead and lifts, tools & plants, pumping the concrete to all levels, vibrating, curing etc. complete Rate to include for all necessary formwork and supports wherever applicable but excluding cost of reinforcement. For Below Ground	Cu.M.	40.00		
11	Providing & Laying Design Mixed Concrete of Grade M30 Exposed RCC in all elements at all level, including all lead and lifts, tools & plants, pumping the concrete to all levels, vibrating, curing etc. complete Rate to include for all necessary formwork and supports wherever applicable but excluding cost of reinforcement. For Above Ground for all floor levels.	Cu.M.	120.00		
12	Providing ISI Mark T.M.T. Bar Fe 500 Fe reinforcement for R.C.C. work including bending, binding and placing in position complete for all floor levels.	Kg.	38,000.00		
III	Brick Work				
13	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.cm. in foundation and plinth in Cement Mortar 1:6 (1- Cement : 6- Fine sand)(B) Conventional	Cu.M.	50.00		
IV	Plaster Works				

BID DOCUMENT FOR APPOINTMENT OF CONTRACTOR FOR VARIOUS CIVIL WORKS AT MAHATMA MANDIR, GANDHINAGAR – PHASE 1A/1B

Vol II - Price Bid

Item No.	Item Description	Unit	Approx.. QTY.	Unit Rate (Rs.)	Total amount (Rs.)
14	Providing 10mm thick Cement Plaster in single coat for RCC Ceiling & Soffit of stair interior plastering including finishing with a floating coat of neat cement slurry in cement mortar 1:3(1 cement 3 sand) watering, curing etc. complete for all floors	Sq. Mt.	100.00		
15	Providing 20 mm thick double coat Mala Cement Plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trowel including scaffolding curing etc. complete for all Floors	Sq. Mt.	200.00		
V	Paint work				
16	Applying all weather proof Acrylic Exterior Emulsion paint (two Coats) over one coat of exterior emulsion primer (one coat). Paint shall be Apex paint of Asian, weather coat of Burger, excel of Nerolac to give an even shade after thoroughly brooming the surface to remove all dirt,dust,mortar drop etc. complete for all Height.	Sq. Mt.	200.00		
17	Providing and applying anti carbonation, anti fading, mold resistant, heat insulating and 100% acrylic breathable decorative external water repellent coating of approved shade having Viscosity @ room temperature by ford cup no. B-4 (dilute 2 parts of product with 1 part of water) 18 to 30 sec. pH of 7 to 10 and Specific gravity @ room temperature 1.3 + 0.1, tested for carbon dioxide diffusion resistance properties for coating materials and coating systems for exterior concrete as per NBA.	Sq. Mt.	200.00		
VI	Fabrication works				

BID DOCUMENT FOR APPOINTMENT OF CONTRACTOR FOR VARIOUS CIVIL WORKS AT MAHATMA MANDIR, GANDHINAGAR – PHASE 1A/1B

Vol II - Price Bid

Item No.	Item Description	Unit	Approx.. QTY.	Unit Rate (Rs.)	Total amount (Rs.)
18	<p>ANODIZED ALUMINIUM FRAMED FIXED LOUVRES: Providing and fixing in position Aluminum louvers of Boruka or Equivalent "Z" profiled 100mm wide average louvers to the specified height as per the architectural drawings and as per the existing work on site and as per approval of the Client/architects/Professional Advisor. The louvers shall be placed with a center to center distance of 75 mm in the Horizontal direction and the vertical supporting structures shall be designed to take a wind load of 200 kg/m³. The rate includes preparation of shop drawings and shall be executed after the approval from the architects and as per the existing installations at site. The rate will also include providing and applying Exterior grade Acrylic Emulsion paint to the block work to the necessary heights behind louvers</p>	Sq. Mt.	250.00		
19	<p>Providing, fabricating, assembling, hoisting, erecting and fixing in position at all heights, all levels, all floors, all shapes & sizes with all leads & lifts using MS Rolled Steel Sections, Hollow sections, Tubular Sections, MS Plates, Chequered Plates, chain-link etc. all confirming to latest relevant IS codes for the work of steel structures like staircases, canopy, section for fencing, railings, jali, gates, decorative element, grills, bracings, platforms, monkey ladder, cattle trap, insert plates, trench covers, Collapsible gate, barbed wire fence over compound wall, MS sliding door etc. including straightening, cutting, bending, bolting and welding the members all as per structural drawings and as per detailed specifications (for materials & workmanship) including necessary scaffolding / staging, anchor fasteners, embedded in Masonry/RCC structures etc. all complete for All height as per detailed specifications and instructions of Engineer in charge. The rate shall include for applying two coats of approved make and shade hammer tone paint over two coat of zinc chromate yellow oxide as primer. Rate shall be paid on KG only. Payment shall be done as per drawing/laid at site and standard weight of used members shall be paid. Consider all the materials in contractor's scope.</p>	KGS	30,000.00		

BID DOCUMENT FOR APPOINTMENT OF CONTRACTOR FOR VARIOUS CIVIL WORKS AT MAHATMA MANDIR, GANDHINAGAR – PHASE 1A/1B
Vol II - Price Bid

Item No.	Item Description	Unit	Approx.. QTY.	Unit Rate (Rs.)	Total amount (Rs.)
VII	Miscellaneous works				
20	Carring out Plinth treatment to pre or post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistent with I.S.I specification. Using Chlordane and Chiorpurfiles 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e. one litter 20 EC chemical emulsion with 19 liter give 1 % concentration inclusive of one litter chemical emulsion application at the rate of 5 Liter chemic	Sq. Mt.	125.00		

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Vol II - Price Bid

Item No.	Item Description	Unit	Approx.. QTY.	Unit Rate (Rs.)	Total amount (Rs.)
VIII	Anchoring/ Rebaring works				
21a	Providing and anchoring in position high strength chemical anchor bolts HIT-V 5.8 with epoxy mortar RE 500 from HILTI or approved equivalent for following dia. And standard lengths including necessary drilling upto required depth (min.) or as per manufacturer's specifications, anchoring and grouting with necessary equipment including scaffolding, etc. complete as per manufacture's specification rate to include to conduct random pull out test for anchor bolts which are fixed to RCC member as per manufacturer's specification and direction EIC Note: All work should be confirmed by Structural Consultant/Hilti Team. A). 12 mm dia. With depth of anchorage upto 120 mm	No	145.00		
21b	B) 16 mm dia. With depth of anchorage upto 160 mm	No	160.00		
21c	C) 20 mm dia. With depth of anchorage upto 200 mm	No	10.00		
22a	Rebar work as per structural requirement of Hilti or other approved standard company all complete for following dia. and standard lengths including necessary drilling upto required depth (min.) or as per manufacturer's specifications, anchoring and grouting with necessary equipment including scaffolding, cost of reinforcement etc. complete as per manufacture's specification rate to include to conduct random pull out test for rebar which are fixed to RCC member as per manufacturer's specification and direction EIC. Note: All work should be confirmed by Structural Consultant/Hilti Team. a) 10 mm dia	No	140.00		
22b	B) 12 mm dia	No	10.00		
22c	C) 16 mm dia	No	5.00		
22d	D) 25 mm dia	No	5.00		
23a	Providing and doing core cutting of required dia. at given location including necessary tools and machineries, scaffolding, watering and disposing the material as instructed by Engineer-in-charge. A) Up to 75mm dia - up to 150mm thickness	No	5.00		

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Vol II - Price Bid

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23b	B) Up to 150 mm dia - up to 150mm thickness	No	5.00		
23c	C) Up to 230mm dia - up to 150mm thickness	No	5.00		
IX	False Ceiling				
24	SEAMLESS GYPSUM BOARD WITH G.I. FRAMEWORK: Providing and fixing / Repairing / seamless ceiling with gypboard of approved make, India Gypsum or equivalent of 12.5mm thick fixed to the underside of G.I suspended grid formed of GI perimeter channel 0.6mm thick of size 25mm x 25mm fixed along the wall with rawl plugs / fasteners at 450mm c/c, GI intermediate channel of size 45mm x15mm flange x0.90mm fixed to a G.I soffit cleat of size 37x25x1.6mm with a suspended GI ceiling angle at 1200mm c/c with suspended strap and GI ceiling section of size 80x26x0.5mm provided across the intermediate channel at intervals not more than 450mm centres at the bottom and the same fixed by GI connection clips 2.64mm dia at the intersection points. The rate shall include joints finished with POP putty making cut outs for tube lights, spot lights, duct doors, for specified size, grills, providing additional trimming around cut outs for light fittings, grills, etc., and providing additional supports from ceiling where main/cross members are cut for light fittings etc. Repairing work shall be done as per existing support and specification. Contractor to also make sure that no surrounded ceiling work shall be damaged during repairing, and level with adjacent flooring shall be matched.	Sq. Mt.	60.00		

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Vol II - Price Bid

Item No.	Item Description	Unit	Approx.. QTY.	Unit Rate (Rs.)	Total amount (Rs.)
25	Providing and fixing / repairing 15mm Mineral Fiber ceiling tiles of Gyproc/ Armstrong or equivalent using hot dipped galvanized steel section, exposed surface chemically cleaned capping prefinished in backed polyester paint wall angle of size 3000x19x19mm used in periphery of the ceiling fixed to the wall/partition/RCC column/band walls with the help of screws at 600mm c/c. Main runner of size 3000x15x32mm suspended at 1200mm c/c by using 2.5mm dia G.I. wire hanger securely fixed to the structural soffit of RC slab by using 6mm anchor fastener at every 1200mm(max) and 1200mm long cross tee of size 15x32mm to be interlocked between in main runner at 600mm c/c(max) to form grid of 1200x600mm. 600mm long cross tee size 15x32mm fixed in between 1200mm long cross tee for forming a grid of 600x600mm and finally laying Classic Lite Bev. Tegular tiles of size 600x600x15mm(RH 99,NRC 0.50)	Sq. Mt.	200.00		
26	Providing and fixing 15mm Mineral Fiber ceiling tiles of Gyproc/ Armstrong or equivalent on existing GI supports replacing damaged tile including 600mm long cross tee size 15x32mm fixed in between 1200mm long cross tee for forming a grid of 600x600mm and laying Classic Lite Bev. Tegular tiles of size 600x600x15mm(RH 99,NRC 0.50). No existing ceiling/support shall be damaged during work. Level and Alignment with existing ceiling shall be matched.	Sq. Mt.	100.00		
27	Providing and fixing single layer Gypusm board 12.5 mm thick of the make Gyproc, Anutone or equivalent & using board of size 600mm x 600mm or as required, suspended by G.I suapender of size 25 mm x 3 mm with intermediate channel of size 18 mm x 40 mm x 0.80 mm at 600mm center to center ceiling section of size 40 mm x 35 mm x 0.55 mm at 150 mm center to center and perimetre chanel A of size 20 mm x 27 mm x 30 mm x 0.50 mm at edges & drops including paper tap sand sofit cleat, anchor fastener, scoch bolt connecting cleat joining compound top coat on ceiling including making necessary opening for light fitting, diffuser etc. complete as per detail drawing as directed. The joints between the boards are finished with jointing compound & fibre tape to get a smooth flush finish.	Sq. Mt.	350.00		

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28	Providing and fixing single layer Gypusm board 12.5 mm thick of the make Gyproc, Anutone or equivalent on existing GI supports replacing damaged tile including cross tee for forming a grid of 600x600mm and gypboard of size 600x600x12.5mm . No existing ceiling/support shall be damaged during work. Level and Alignment with existing ceiling shall be matched.	Sq. Mt.	100.00		
X	Dismantling and Demolition				
29	Demolition of Brick work/Block Masonry & stone masonry including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (ii) in Cement Mortar	Cu.M.	10.00		
30	Dismantling tiled or stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	Sq.M.	100.00		
31	Demolition including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (1) RCC work	Cu.M.	10.00		
32	Dismantling /Making cut outs as per the required size as per the drawings in existing Brick Masonry or Block Masonry with plaster works at given location as per Architect/Consultant/Client requirements including necessary M-30 grade RCC Lintle framing work for support, tools and machineries like pneumatic drills, Cutter machines at all levels etc., with Supporting Arrangements, scaffolding, watering and disposing the debris outside the premises in places approved by the relevant local Govt. authority and usable material to be handover to Engineer Incharge and stored as directed with all lead and lift. Finish the edges properly with approved material as directed and specified by the Architect/Structural Engineer/Engineer in charge. Provision of additional supports to existing structure for safety purpose shall be included in rates. All work should be carried out as per instruction of Structural engineer.	Cu.M.	20.00		
33	Removal of existing False Ceiling and its framing along with infill and supports including s disposing the debris outside the premises in places approved by the relevant local Govt. authority and usable material to be handover to Engineer Incharge and stored as directed with all lead and lift.	Sq. Mt.	500.00		

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	TOTAL COST RS.				

Notes :-

1	Related payment shall be made on the basis of actual work executed on site and certified by Employer/Engineer-in-Charge. Qty. mentioned above is indecative and it may increase or decrease according to the day to day requirements of the client/ project. All measurements to be taken jointly with Employer/Engineer-in-Charge.
2	Selected bidder is bound to execute the works as per time line given by client/iNDEXTb.
3	Price bid shall be filled up on line on n-procure by selected/empaneled agencies. Works will be allotted to the lowest bidder as approved by iNDEXTb as per Bid conditions. Decision of the iNDEXTb shall be final in any matters.
4	All duties, custom duties, taxes (including all Central excise tax, Central Govt. & all state Govt. taxes if any.) and other levies payable by the Contractor and shall be included in the Rates and Prices and the total bid price submitted by the bidder. No taxes shall be paid separately.
5	All work shall be carried out as per Public works Department Handbook and other specifications of Division or as directed as indicated in volume II of Technical Bid. It also includes erection of schematic barricading for camouflaging of on-going construction works and existing premises of Phase 1A/1B/2A.
6	Rates quoted include clearance of site (prior commencement of work and at its close) in all respects and hold good for work under all conditions, site, moisture, weather etc.
7	Related material purchases done by selected Bidder shall be liable to produce related compliances as per R&B guidelines and applicable Tender clauses.
8	The Bidder has to execute at his own cost, if existing structure of Phase 1A, 1B & 2A are damaged during execution of works. No additional claim will be payable but the Bidder has to complete damaged work in its original state.