

Part- 4 A

A P M C H I M A T N A G A R

**Name of Work: Renovation of Old Office Building at
Survey No. 3523/3524**

TENDER NO – 1

Schedule: - B

PREAMBLE TO BILL OF QUANTITIES:

(a) General

This is an Item rate Contract. The Items in the Bill of Quantities in this Bid Document do not necessarily contain full descriptions of the required work and, when pricing, the Bidder is to refer to all parts of the Bid Document i.e., the drawings, specifications etc., as also Standards referred to, and assess the site conditions and performance requirements in totality. The rates will be deemed to include for the full cost of work as described in the Bid Documents.

(b) Contract Price

The Prices quoted against the items in the Bill of quantities should cover the full value of the finished work described including, but not limited to, for the cost of all the obligations on the Bidder as set down in all the Contract Documents (which are to be read together), for co-operation and co-ordination of his work with other Contractors, if any, working in the area and with various Authorities, for all temporary work required and for the provision and use of all plant, whether mechanical or non-mechanical, required for the expeditious execution of the Works in their proper sequence, fulfilling other obligations laid down in various clauses of this Contract Document and for shifting plant, etc. as may be required during the progress of the Works and removing on completion and making good any surfaces disturbed.

The rates should also include for all necessary services for the Works, for the cost of preparing the bid, for profit and for all other establishment charges and on costs of whatever nature, including the following:

- I. Labour and all associated costs
- ii. Locating and transporting construction materials.
- iii. Providing at site materials and goods in accordance with the Specification.
- iv. Temporary works.
- v. Establishments charges, overheads and profit.
- vi. Setting out of the works and liaison with all concerned authorities for approval of the same.
- vii. Ascertaining from the concerned authorities the locations to which the storm drainage can be discharged, before commencing the project.
- viii. Paying all statutory dues and taxes, housing, paying salaries and bonus etc. for employees of the Contractor.
- ix. Providing and maintaining throughout the entire construction period, safety barriers around all excavations and making them visible during night. Providing motorable access to the industrial units or other plots where entry is obstructed by the road works.
- x. Obtaining permission, where necessary, to cross land, for use of public or private land, paying compensation, if any, for damage to property or for other effects due to the presence of the Contractor's labourers and equipment on such land, protecting

- any fencing, private or public property, repairing any damage caused by the Contractor's plant to public utility services (oil, water, electricity, telephone, sewers, etc.).
- xi. Assistance to the Engineer as required, all reporting requirements including taking and printing of photographs.
- xii. General foreseen and unforeseen expenses of the Contractor.
- Xiii. Removing all construction debris to a tip approved by the local authorities,
- xiv. Any other expenses required for the execution, completion and maintenance of the works until the final handing-over of the Works, without any exceptions or reservations and the Contractor shall have no right to claim any compensation or extra cost of any necessary work for the execution, completion and maintenance of the works.
- xv. Insurance charges wherever applicable both for protection of work and contractor's labour.
- xvi. Maintaining the commissioned parts of the Works for a maintenance period as specified in the Contract Data.
- xvii. Night work wherever necessary to complete the work expeditiously and to limit public inconveniences to the minimum.
- xviii. In case, any retest at factory for any permanent material to be used in the Works, becomes necessary to ascertain the quality of materials, the entire cost of re-inspection and retests including cost of travel, accommodation etc. of the inspecting official will be charged to the contractor if the retest confirms poor quality of the material.
- xix. Providing and maintaining traffic diversion arrangements as described in the special specifications

The cost of meeting the above mentioned obligations during the entire period of Contract is deemed to be distributed amongst all billed items.

(c) Completion Period of Work

The Contractor is to commence the work soon as he receives the Commencement Order and complete the work in the period indicated in the memorandum, failure to which will attract a penalty for the delay of works, as liquidated damages, as specified in tender.

(d) Provisional Items

Provisional Item means an item included in the Contract and so designed for the execution of work or the supply of goods, materials or services, which item may be used by the Employer by appointing Nominated Contractors or by instructing the Main Contractor, in whole or in part or not at all, at the discretion of the Engineer in Charge, and the Contractor shall not have any right at any time to claim for delays or extra expenditure suffered by him if the Provisional Items are executed only in part or not at all.

(e) Items for Which Separate Payment will not be made

The following items are to be performed as part of the Contract. The cost of these works is

deemed to be distributed in the pay items of the Contract.

- i. Site Survey for establishing reference points in each road and fixing alignment of sewers.
- ii. Providing and maintaining proper markers and profile rails.
- iii. Supporting sides of deep excavations.
- iv. Selection of materials for backfilling of trenches and against permanent structures.
- v. Compacting of backfill against structures with hand held equipment's.
- vi. Testing of concrete at frequencies specified.
- vii. Supplying and laying warning tapes above service lines at depths specified by the Engineer in Charge at site.
- viii. Preparing working drawings and manhole schedules in Auto CAD.
- ix. Testing of materials brought at site to ensure quality.
- x. Provision of safety measures at site for the works as well as the public utilities.
- xi. The contractor shall provide, during the Defect Liability Period, a facility of on call at project location in case of need, which will attend immediately and undertake the rectification.
- xii. Appropriate marking and labeling of electrical machinery relating them to the pumps and motors and instrumentation equipment's.
- xiii. All risks, liabilities and obligations set forth or implied in the tender document.
- xiv. Displaying framed drawings of all electrical and mechanical equipment/single line diagrams inside the control rooms.
- xv. Mobilization and demobilization to and from site, all plant, machinery, equipment and staff as given in the schedule of information.
- xvi. Contractor's facilities as specified in Specifications.
- xvii. Obtaining permission, no objection certificate/ approvals from statutory authorities.
- Xviii Meeting the requirements during Defects Liability Period as explained in Special Conditions of Contract.
- Xiv Any other expense that may be incurred in fulfilling any Contractual Clause, which is not mentioned specifically here.

General Description

This project is to be Renovation of Old Office Building at Survey No. 3523/3524

The brief overview of the project details are enlisted below

Sr. No.	Description of Works / Buildings / Block	Approximate Total Built-up area
1	Renovation Work	150 SQMT

TENTATIVE SCOPE OF WORK:

Salient features of the proposed building:

Architectural description:

Structure

- **Composite structure of R.C.C. footing, columns ,beams and Brick masonry wall**

Basic Finishes

- **Brickwork** – Fly ash Brick masonry load bearing wall with outside and inside Plaster
- **Flooring:** Polished kota stone flooring and glazed tiles for Bathrooms
- **Internal wall surfaces:** Mala plaster with Plastic paint with wall putty.
- **External wall surfaces:** Rustic Textured Finish.
- **Roof:** RCC Slab with necessary Water Proofing
- **Doors/Windows:** Wood Flush door, Aluminum glazed windows & Louvers.
- **Water supply:** PVC pipes with conventional gravity system/pressurized water system
- **Electrical works:** Open/concealed electrification in conduits with LED Surface Light

Note: General Description of the Project, Scope of work and Finishes mentioned above with drawings are indicative and variation is envisaged during detail designing. The above information must be considered as provisional advance information to assist the bidder.

Part- 5 A

APMC HIMATNAGAR

**Name of Work: Renovation of Old Office Building at
Survey No. 3523/3524**

TENDER NO – B1

Schedule: - B

**Name of Work: Renovation of Old Office Building at
Survey No. 3523/3524**

Location : At Himmatnagar

Item No.	Total Qty	Description	Total Rate	Unit	Amount
1	2	3	6	7	8
1	798.83	Removing and scraping of old deteriorated plaster of any thickness from wall / R.C.C member including stacking of serviceable material and disposal of unserviceable from site of work with all lead and lift	19.92	Sqm	15,912.63
2	34.10	Demolition including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (I) R.C.C. work	1,081.83	CUM	36,890.91

3	111.69	Demolition of Brick work and stone masonry including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (ii) In Cement Mortar.	562.84	CUM	62,864.55
4	22.00	Dismantling doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment etc. complete and stacking them within all lead and lift.(ii) Exceeding 3 Sq.M. in area.	257.48	EACH	5,664.56
5	100.00	Add Extra for Disposing off the excavated stuff of above items for lead up to 3.00 km.	129.28	CUM	12,928.00
6	34.08	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (C) Slabs,landing,shelves,Balconies Lintels, Beams, Girders and Cantilever First floor level.	6,347.96	CUM	216,319.43
7	2.13	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (C) Slabs,landing,shelves,Balconies Lintels, Beams, Girders and Cantilever Second floor level.	6,389.08	CUM	13,638.83
8	24.14	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (C) Slabs,landing,shelves,Balconies Lintels, Beams, Girders and Cantilever Ground & First floor level.	6,402.07	CUM	154,533.17
9	2.52	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (C) Slabs,landing,shelves,Balconies Lintels, Beams, Girders and Cantilever Second floor level.	6,443.19	CUM	16,257.13
10	3.14	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (E) Staircases excluding landing up to floor two level	7,474.67	CUM	23,477.94
11	6.48	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts up to floor two level.	8,540.99	CUM	55,345.62

12	4.21	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts up to S.F level.	8,582.10	CUM	36,147.81
13	0.65	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts up to T.F level.	8,623.22	CUM	5,587.85
14	10,602.45	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete up to floor two level	78.34	KG	830,595.67
15	79.85	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 1:5. (1- Cement : 5 -fine sand)(B) Conventional up to Second Floor	4,568.87	CUM	364,838.02
16	26.87	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 1:5. (1- Cement : 5 -fine sand)(B) Conventional up to Third Floor	4,892.64	CUM	131,471.89
17	46.72	(i) Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4 (1- Cement : 4 -coarse sand) in foundation and plinth (B) Conventional	684.19	Sqm	31,966.73
18	768.87	Providing 20mm thick cement plaster in single coat on single or half brick walls for interior plastering up to floor two level and finished even and smooth in (I) Cement mortar 1:3 (1 cement:3-sand)	235.48	Sqm	181,053.97
19	269.74	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering up to floor two level and finished even and smooth in (i)Cement mortar 1:3 (1-cement:3-sand)	138.70	Sqm	37,412.64

20	283.76	20mm thick sand faced cement plaster on walls up to height 10 meters above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) etc. complete.	321.10	Sqm	91,115.98
21	23.10	Providing and fixing factory made solid core flush door shutter of approved make conforming to IS:2202 (Part-I), 35 mm thick, with hardwood internal frame and solid block board / particle board core, finished with 1.0 mm thick decorative laminate sheet of approved brand and shade on both sides, including approved adhesive, pressed in hot press, edges lipped with 1st class teak wood / hardwood lipping 6 mm thick, including making a vertical glass slit of required size and fixing 5 mm thick clear / frosted glass with teak wood beading and screws, complete in all respect including necessary cutting, finishing, labour, tools & tackles but excluding cost of fittings & fixtures, complete as directed by Engineer-in-Charge.	6,744.14	Sqm	155,789.63
22	5.20	Providing and fixing FRP frame size 125x65 mm and 35mm thick FRP shutter with wood grain raised paneled design finish shutter having extra reinforcement on sides & edges in Gel coat finish. The core of the shutter & frame is to be filled up with injected polyurethane foam done in situ along with embedded wooden pieces for stiffening & also taking hinges & fixtures. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with fastener sleeve & aluminum fixtures & fastenings.	2,019.98	Sqm	10,498.85

23	21.17	Designing, Providing & Fixing Three Track colour Anodized aluminum slide windows having color anodized sections (of Domal Section or Equivalent Make) as per design .The top of the window shall be fixed with 5 mm thick Frosted/sand ballasted toughened glass and at the bottom solid panel shall be fixed . The cost is including of locking arrangement, Roller, Bearing, 5 mm thick Frosted/sand ballasted toughened glass with fitting & fixture, black EPDM & transparent silicon Sealant on outer framing, all necessary accessories etc. complete for window and including Mosquito Shutter consisting of S.S.wire gauge of average width aperture 1.4 mm with wire of dia meter 0.63mm necessary cutting and making good etc. for window as per detailed drawings and instructions of an Architect/ EIC.	7,811.09	Sqm	165,345.15
24	2.27	Designing, Providing & Fixing ventilation having colour anodized sections (of Domal Section or Equivalent Make) fixed with 5 mm thick frosted glass louvers and fixed glass window. The cost is including of locking arrangement, fitting & fixture, black EPDM & transparent silicon Sealant on outer framing, all necessary accessories etc. complete as per detailed drawings and instructions of an Architect/ EIC.	6,873.76	Sqm	15,589.69
25	1,796.87	Providing & Applying two coats of putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	123.56	Sqm	222,021.34

26	580.39	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete	73.75	Sqm	42,803.70
27	188.58	P & L 24" x 24" vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with color cement slurry including finished with flush pointing & cleaning the surface etc. complete for DARK shade	1,346.35	Sqm	253,900.20
28	16.92	Providing and laying white glazed tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement.	950.53	Sqm	16,084.28
29	80.16	Providing and laying white glazed tiles 6mm thick in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1 cement : 3-coarse sand) and jointed with white cement slurry	982.03	Sqm	78,716.58
30	84.84	Providing and laying Granite Slab 18 mm thick in flooring ,treads of steps and landing laid on a bed of 12 mm thick cement mortar 1 :6 (1 cement :6 coarse sand) finished with flus pointing in white or colour cement With Half Round Mould as Director by Architect and Engineer In Charge.	3,287.55	Sqm	278,915.74
31	927.61	Providing and fixing M.S grills or railing of required pattern to window gapes and terrace railing with M.S sections at required spacing's and frame around, square or round bars with round headed boltsand nuts or screws or M.S hold fast including of one coat of primer with two coats of oil painting etc. complete.	110.04	KG	102,074.42

32	241.52	<p>Providing and lying cement based waterproofing on roofs with a minimum slope of 1:100 and average thickness of 100 mm using brickbats of appropriate size and shape suitable to achieve the required slope laid over 15mm thick waterproof cement mortar 1:4 on well prepared/cleaned RC roofs with joints between brickbats thoroughly grouted with waterproof cement mortar 1:4 and finished with 20 mm thick waterproof. plaster using cement mortar 1:4 and making false squares of 300 mm size including rounding of the junction of roof and parapet walls for a height of 300 mm with brickbats and 20mm thick waterproof plaster and conducting necessary leakage/dampness tests, furnishing ten years guarantee etc. all complete as directed.(waterproofing admixtures shall be of approved quality and dosage as recommended by the manufacture - Plastcone AW PLUS) Providing & laying the flooring of broken china-mosaic (Broken pieces of china glazed tiles)white set in 25 mm, average bed of cement mortar 1:3 with waterproofing compound to correct level and slope(1:100) well compacted and finished; such that minimum coverage of china mosaic chips is about 90% of the total area of slab. The above treatment shall continue along the inner side of parapet or the adjoining wall up to 30cm. height as per the above specification... Special Agency to be occupied and Warranty Of 10 year. 100rs Bond paper to be submit by Contractor. and on latter head Submitted By Executed Agency</p>	1,272.60	Sqm	307,355.88
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33	49.84	Providing and applying water proofing for toilets with vertical walls of toilet and sunck portion all inclusive(abc, IPS,grouting) with 2 coats two components acrylic polymer modified elastomeric cementitious water proof membrane coating (polycoat BB) on depressed/sunken slabs which shall be mixed as per manufacture's technical specification, after thoroughly cleaning the surface by mechanical means to making it free of any loose mortar, unsound substrate, "v" grooves cut along the construction joints, cracks and joints of slab /wall on the external face and same shall be filled with polymer modified mortar (CM 1:3 mixed with approved water proofing compound (platcone AW Plus)in the proportion recommended by the manufactures, cracks in the slab (if any), pressure grouting pump with a pressure of 3 to 4 kg/sqm, strictly maintain the coverage specified by the manufacture , application of 20 mm thick plaster with water proofing compound (AW Plus) in cement mortar 1:4 over the water proofing treatment. Including cost. Special Agency to be occupied	792.73	Sqm	39,512.85
34	525.00	Providing & fixing 15 cm wide chicken mesh jail with nails & then application of 15 mm plaster on R.C.C. & masonry joints as per dir. of engg. In charge.	40.36	Sqm	21,189.00
35	63.00	Providing throating or plaster drip and molding to R.C.C. Chhajja.	43.08	RMT	2,714.04
36	3.00	Providing and fixing wash down water closet (European type,W.C. Pan) with integral P or S trap including jointing the trap with soil pipe in Cement Mortar 1:1 (1-Cement : 1-fine sand) (Seal and cover to be measured and paid for separately)(A) vitreous China Pattern :(i) in white colour	1,356.81	No.	4,070.43
37	3.00	Providing and fixing 12.5 Litres low level flushing cistern with a pair, of C.I. or Mild brackets, complete with fittings such as lead valve less syphon, 15mm nominal size brass ball valve with polythene float, C.P brass handle unions and couplings for connections, with inlet, outlet and overflow pipes, 40mm dia. porcelain enameled flush bend including cutting holes in walls and making good the same connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately)(A) Vitreous China (I) In white colour	2,370.39	No.	7,111.17

38	3.00	Providing and fixing plastic seat and cover for wash down water closer with C.P. brass hinges and rubber buffers. (B) Black plastic seal and cover.	291.33	No.	873.99
39	10.00	C.P. Angle stop cock 15 mm Heavy duty with cap (1 for Tank & 1 for Jet Spray)	407.42	No.	4,074.20
40	3.00	Jet spray heavy duty with S.S. Braided hose 60 cm long	308.99	No.	926.97
41	6.00	Providing and fixing screw down bib taps of following size. (B) Brass chromium plated screws down Bib Tap. (i) 15mm dia. (1 for Bathroom & 1 for WC area).	186.83	No.	1,120.98
42	5.00	Providing and fixing White glazed vitreous Wall Hung Wash Basin 450x300 mm, with necessary CI or MS brackets with anticorrosive paint including cutting holes & making good. Rate inclusive for providing & fixing 32 mm dia CP waste coupling, 1 nos. CP Bib Tap 15mm NB and supporting brackets etc. Testing & installation as per drawing & specification.	1,000.55	No.	5,002.75
43	6.00	Providing and fixing PVC AGRI. Rigid Pipe ISI marked brand as per IS:4985 (6 kg.) complete with including all necessary fittings and specials such as as 45 or 90 deg. bends, Tee's, Y's, clamps & hinges including cutting and making good the walls & ceiling for waste pipes, connections & as directed by the Engineer-in-Charge. (Wash out pipes from fixture to trap) 40 mm dia.	139.08	Rmt	834.48
44	7.00	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 100 mm diameter with jail of the following nominal diameter of self cleansing design with C.I screed down or hinged grating including the cost of cutting and making good the walls	586.60	No.	4,106.20
45	6.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 1/2" dia (15 mm) (Internal)	502.78	Rmt	3,016.68

46	20.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 1" dia (25 mm) (Internal)	746.69	Rmt	14,933.80
47	30.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge Internal work - Exposed on wall 1.1/4" dia (32 mm) (External)	523.94	Rmt	15,718.20
48	1.00	Supply, installation, testing & commissioning of brass chrome plated isolation Threaded / flanged Ball valve / Butterfly Valve conforming to latest IS , PN 1.6, with necessary specials, union, nipples etc., to complete the job. 3" dia (75 mm)	2,919.91	No.	2,919.91
49	2,000.00	Providing erecting and fixing double coated Syntax or equivalent HDPE (ISI) mark water tank of required capacity each with all necessary fittings & connections etc. completed on terrace.	3.99	LTR	7,980.00
50	196.00	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed.(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat-III	449.45	Point	88,092.20

51	98.00	Point wiring for secondary light point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires, in below type of pipe to be erected complete with earth continuity and necessary connection with primary light with accessories erected on Metal / PVC / wooden box covered with 3 mm thick PC (Polycarbonate) / Acrylic sheet for open / concealed wiring. with necessary Lamp holder / ceiling rose / H.D.Connector as directed.(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete	151.50	Point	14,847.00
52	50.00	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME step type electronic fan regulator mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed.(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete	629.23	Point	31,461.50
53	50.00	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[I] For 6A Plug and 6 a switch with 2-1.5 sq.mm Cu. Wire from nearby switchboard/mcb db board(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling completeCat. III	473.69	Each	23,684.50

54	15.00	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[II] For 16A Plug and 16 amp switch with 2-2.5 sq.mm Cu. Wire from mcb db board.(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling completeCat. III	697.91	Each	10,468.65
55	2.00	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[III] For 16A Plug and 16 amp switch with 2-4 sq.mm Cu. Wire with 2.5 sq.mm (green) earthing wire from mcb d b board.	818.10	Each	1,636.20
56	10.00	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. Blank Plate Single cat III	24.24	Each	242.40
57	3.00	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. Modular Indicating Call Bell cat III	314.11	Each	942.33
58	300.00	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.(A)20 mm	23.23	Mtr	6,969.00

59	50.00	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	32.32	Mtr	1,616.00
60	100.00	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (A) with medium class Rigid PVC pipe and accessories (a) 2 wire 1.5 sq. mm	59.59	Mtr.	5,959.00
61	5.00	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (A) with medium class Rigid PVC pipe and accessories(B) with medium class Rigid PVC pipe and accessories (a) 2 wire 2.5 sq. mm	78.78	Mtr.	393.90
62	5.00	providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size.(A) with medium class Rigid PVC pipe and accessories.(a) 2 wire 4 sq. mm	107.06	Mtr.	535.30
63	20.00	Point wiring for on board Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling with following type accessoriesCAT-III	241.39	Point	4,827.80

64	90.00	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15%, CCT 3000 K to 6500K, Luminaire efficacy > 85 lumens/watt, LED LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings. The Engineer incharge may select any wattage capacity between the ranges shown.) (iii) 18-20 Watts, Surge - 2KV, IP-20, conventional 4 feet	295.93	Each	26,633.70
65	40.00	Supplying and erecting led lamps with following wattage capacity of 220 to 240 voltage, minimum 15000 burning hours life, 500 V in built-surge protection, Polycarbonate diffuser, mounting suitable for E14 / E27 / B22 lamp holders, pf >= 0.5 (iii) 10 to 15 watts	188.87	Each	7,554.80
66	27.00	Supply, Installation, Testing and Commissioning of suitable sweep, BEE 5 Star rated, Ceiling fan with Brush Less Direct Current (BLDC) permanent ferrite magnet Motor, class of insulation: B, Rust free 3 nos. Aluminium blades, 2 nos. canopies, shackle kit with earthing provision, copper winding, Power factor not < 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM, 230v (tolerance as per IS : 374-2019), THD < 10%, with remote unit for Speed Control and all remaining accessories including safety pin, nut bolts, washers, temperature rise = 75 degree C (Max.), suitable for 140 to 285 Voltage and rectifier circuit with surge, over current and overload protection, 50 Hz, Single phase AC Supply, earthing etc. Complete as required. [Make shall be approved by Engineer in Charge] (B) 1200 mm Sweep (48")	2,885.57	Each	77,910.39
67	150.00	Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.	108.07	Each	16,210.50

68	27.00	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	18.18	Each	490.86
69	5.00	Supplying & erecting approved make low noise decorative exhaust fan having square frame ABS body with inbuilt lowers & square frame.250mm with 1350 RPM Cat.II	1,366.53	Each	6,832.65
70	1.00	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 (B) 40 Amp. CAT-iii	330.27	Each	330.27
71	3.00	providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed.(iii) 63 Amps. DP	2,654.28	Each	7,962.84
72	50.00	providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark .Cat.III (1 ph DB + LDB)	112.11	Each	5,605.50
73	1.00	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for(A) single phase incoming and horizontal single phase outgoing (iv)12 way	867.59	Each	867.59
74	3.00	providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark .Cat.III (1 ph DB + LDB)	112.11	Each	336.33
75	250.00	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand / Solid 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	138.37	Mtr	34,592.50
76	30.00	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 to 4 core 6/10 Sq. mm	38.38	Each	1,151.40

77	1.00	Supplying & erecting in earthpit of minimum bore dia. 225mm size approved make Safe Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped 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 with chamber and heavy duty cover.(approved make OEM has to submit test certificate including value of earth resistance of installation.[C] For Electrical Installation covering Transformer Neutrals, Lightning arrester Earthing, A.C.Plant & Sensitive Computer System(like Automation, SCADA)i.e. independent Earthing located in other than normal soil i.e. Soft Rock, Marshy Soil etc..-Length of Pipe : 3 Mtrs. -Back filling Compound: 2 nos Bags of 25 Kg.	10,593.89	Each	10,593.89
78	5.00	Providing and erecting required size HOT deep Galvanised iron strip for earthing of H.T. , OCB/ ACB/ Transformer LT panel board, Motors etc. using proper clamp.	77.77	KG	388.85
79	5.00	Providing and erecting HOT deep Galvanised iron strip wire 8 to 16 SWG.	77.77	KG	388.85
			Total Amount		₹ 44,98,750.00

In words: (Rupees Fourty Four Lakh Ninty Eight thousand Seven hundred Fifty Only).

*I/We am/are willing to carry out the work at _____% above/below

the _____percentage (should be written in figures and words) of the estimated rates mentioned above. Amount of my/our tender works out as under : *Estimated Amt.put to: Rs. _____ *Estimated Amt.put to Tender: Rs. _____

Tender Deduct : _____% below : Rs. _____ Add: % above : Rs. _____

Net Amount : Rs. _____ Total Amount : Rs. _____

In words _____ In words _____

(*Please strike out whichever is not applicable.)

Note 1 All work shall be carried out as per Public works department Hand book and other specifications of Division or as directed.

Note : 2 Rates quoted inclusive of clearance of site (prior to commencement of work and at its close) in all respects and hold good for work under all conditions, site, moisture, whether etc

Note 3 One present labour cess will be deducted from the valued work done as per 'Building & Other construction work welfare cess act" G.R. No. GHR – 2005 / 04 / CWA / 2004 / 841 / M-3 Dt. 31-01-2005