

TENDER

FOR

***Construction of Residential apartments at
Karimadom Colony, Thiruvananthapuram (PART I)***

**PART-III
PRICE BID**

**TENDER NO. HLL/ID/15/12
JUNE 2015**



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1 COMMERCIAL CONDITIONS

1.0.1 The tendered rate shall inter alia be deemed to include for the provision of all materials, process, operation and special requirements detailed in the particular specification irrespective of whether these are mentioned in the description of equipment schedule and Bill of quantities or not. It is an express condition of the contract that the tendered rates for various items in the Bill of Quantities shall be deemed to include for the full, entire and final condition of the contractor respective items of the works in accordance with the provision of the contract.

1.0.2 The tendered rate shall include for all taxes, duties, etc. as applicable and shall be quoted on the works contract basis for **Construction of Residential apartments at Karimadom Colony, Thiruvananthapuram (PART I).**

1.0.3 **The price should be quoted inclusive of all taxes and duties and the component of service tax applicable to the bidder.**

1.0.4 The tendered rate shall remain firm and free from variation due to rise in the cost of materials/ equipment, labour or any other reasons whatsoever during the contract period and valid extension on the case may be.

1.0.5 The quantum of excise duty included in the tendered price, the rate at which they were assumed etc. shall be indicated in the tender.

1.1 UNIT RATES

1.11 Only approved work will be measured on completion and priced as per rates quoted against the respective items.

1.2 BRIEF DESCRIPTION OF PRICING

1.2.1. Unforeseen difficulties for which provision has not been made in the tender will in no way relieve the successful tenderer from the full execution of the work.

1.2.2 The price quoted shall be the final amount for this finished work.

1.3 INCOME TAX

Any payment to the contractor as per contract, will be made after deducting income tax as per the rules and regulations.

1.4 SALES TAX AND EXCISE DUTY

The tenderer shall include all applicable taxes and duties in their quoted rates. The bid which mention that applicable taxes and duties shall be summarily rejected.

1.6. SUBMISSION OF BILL

1.6.1. The contractor shall from time to time prepare and submit interim bills of the work executed and on completion of the contract, he shall prepare and submit the final bill. The measurements sheets in support of the interim and final bills shall be prepared by the contractor on the basis of measurements taken by him jointly with the project engineer and the said measurement sheets shall be submitted by him with the relevant bill.

1.7. EXTRA ITEMS

The contractor is bound to carry out any items of work necessary for the completion of the job even though such items may not have been included in the schedule of probable quantities or rates, such items being necessary or essential for completing the job. Variation order in respect of such additional items and their quantities will be issued in writing by the employer.

1.7.1 All shavings, cuttings and other rubbish as it accumulates from time to time during the progress of work and on completion including that of the sub-contractors and special tradesman and all materials condemned by the project engineer shall be cleared and removed from the site by the contractor without any extra charge.

1.7.2 All measuring steel taps, scaffolding, ladders instruments and tools that may be required for taking measurements shall be supplied by the contractor.

1.8. OVER TIME WORK

If the contractor is required to work night or on holidays in order to maintain the time schedule he shall take prior approval from the Engineer-in-charge. He should also provide and maintain at his own cost sufficient lights as may be necessary to enable the work to proceed satisfactorily during the night.

1.8.1. The contractor shall give full facilities to all other contractors working on site. He shall also arrange his programme of work so as not hinder the progress of other trades. The decision of the Engineer-in-charge on any point of dispute between the various parties shall be final and binding.

1.8.2. It is specifically pointed out that the contractor shall not be entitled to any compensation whatsoever on account of delay in procurement or supply of controlled materials and the rates quoted in the contract are fixed till the completion of the contract.

1.8.3. The contractor shall co-operate with other agencies appointed by the owners for the work to proceed smoothly with the least possible delay and to the satisfaction of the owners, architects and the consultants.

1.8.4. The owners shall provide a source for power supply at one convenient point at site. The contractor shall at his own cost install a separate meter at the said source and lay additional cables from the said source also at his own cost. For the electricity consumed by the contractor he shall pay the owner the actual cost at the rate charged by the local authority for power for constructional purposes. The contractor shall also obtain the necessary permit for utilizing power for constructional purposes.

2 SPECIAL CONDITIONS

2.1. EXECUTION WORK

- 2.1.1. The whole of the work as described in the contract (including bills of materials, specification and all drawings pertaining thereto) and as advised by the Engineer-in-charge from time is to be carried out and completed in all parts to the entire satisfaction of the Employer. Any minor details of construction which are obviously and fairly intended, or which may not have been definitely referred to in this contract, but which are usual construction practice and essential to the work, shall be included in this contract.

2.2. CERTIFICATE OF COMPLETION

- 2.2.1 The contractor shall intimate to the Engineer-in-charge in writing as and when the works are completed and put into beneficial use in order to enable the consultants to check certify to the owners to take over the plants.
- 2.2.2 The work shall not be considered as completed and put into beneficial use until the consultants have certified in writing that the same has been completed and put into beneficial use.
- 2.2.3 The defects liability period of one year shall commence from date of such completion or any specific date mentioned therein.

BILL OF QUANTITIES

CONSTRUCTION OF RESIDENTIAL APARTMENTS AT KARIMADOM COLONY, THIRUVANANTHAPURAM - Part I

Abstract

Sl No.	Description	Amount (Rs.)
1	Civil works	
2	Electrical works	
	Total	
	Service tax component to be directly paid by the client in case the bidder is a Proprietary firm	

CONSTRUCTION OF RESIDENTIAL APARTMENTS AT KARIMADOM COLONY, THIRUVANANTHAPURAM - Part I

Civil works

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
1	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil	840.00	m3		
2	4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	69.00	m3		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
3	5.33.1	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing & reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. All works upto plinth level	204.00	m3		
4	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth :consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5m	660.00	m3		
5	1.1.2.8	Conveying and disposing off the surplus earth	150.00	m3		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
6	5.33.2	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing but excluding reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. All works above plinth level upto floor V level	309.00	m3		
7	5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.	205.20	ql.		
8	5.22 A.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo Mechanically Treated bars	43605.00	kg		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
9	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :				
a	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	285.00	m2		
b	5.9.3	Suspended floors, roofs, landings, balconies and access platform	1350.00	m2		
c	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	1416.00	m2		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
d	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	1020.00	m2		
e)	5.9.7	Stairs, (excluding landings) except spiral-staircases	108.00	m2		
f	5.9.16 .1	Edges of slabs and breaks in floors and walls. Under 20 cm wide	1365.00	m		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
g	5.9.19	Weather shade, Chajjas, corbels etc., including edges	264.00	m 2		
10	6.4.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:Cement mortar 1:6 (1 cement : 6 coarse sand)	15.00	m3		
11	6.4.2	Brick work with F.P.S bricks of class designation 7.5 in superstructure above plinth level upto floor V level in cement mortar 1:6 (1 cement: 6 coarse sand)	462.00	m3		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
12	6.13.2	Half brick masonry with bricks of class designation 50 in foundations & above plinth up to floor V level in cement mortar 1 : 4 (1 cement : 4 coarse sand).	210.00	m2		
13	6.15	Extra for providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of half brick masonry (with F.P.S. bricks).	210.00	m2		
14	9.1.2	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).Sal wood/Pincoda wood	11.40	m3		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
15	9.5.2.1	Providing and fixing paneled or paneled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished off required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. Kiln seasoned and chemically treated hollock wood/Pincoda 35 mm thick shutters	180.00	m2		
16	9.7.2	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick : Kiln seasoned and chemically treated hollock wood/ Pincoda wood	135.00	m2		
17	9.9.2.1	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws : Kiln seasoned and chemically treated hollock wood/ Pincoda wood 35 mm thick	240.00	m2		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
18	9.53	Providing 40x5mm flat iron hold fast 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix(1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size	1425.00	Each		
19	9.76	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality).	39.00	Each		
20	9.48.2	Providing and fixing M.S. grills of required pattern in frames of windows etc with M.S flats, square or round bars etc all complete:- Fixed to openings / wooden frames with rawl plugs screws etc.	4215.00	kg		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
21	10.17	Providing and fixing M.S. fan clamp type I of 16 mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs during laying including painting the exposed portion of loop , all as per standard design complete .	72.00	Each		
22	11.26.1	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick.	348.00	m2		
23	11.36	Providing and fixing Ist quality ceramic glazed joint free wall tiles 300x450mm size conforming to IS: 15622 Of thickness 5MM of approved make , NITCO, ORIENT, , KAJARIA or approved make, in all colours, shades except burgundy, bottle green, black of 600 x 300 mm as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.(Lowest retail price not less than Rs. 450/m2)	315.00	m2		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
24	11.39	Providing and laying Ceramic joint free antiskid floor tiles of size 300x300 mm thickness 7.5mm of 1st quality conforming to IS : 15622, of , NITCO, ORIENT, KAJARIA or approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigments etc., complete.(Lowest retail price not less than Rs. 500/m2)	57.00	m2		
25	13.9.1	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.:12 mm cement plaster	753.00	m2		
26	12.41.2	Providing and fixing on wall face unplasticised - Rigid P.V.C rain water pipes conforming to IS : 13592 Type - A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion :-	69.00	m		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
27	12.43.2	Providing and fixing unplasticised-P.V.C pipes clips of approved design to unplasticised - P.V.C rain water pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S screws of required length including cutting brick work and fixing in cement mortar 1 : 4 (1 cement : 4 coarse sand) and making good the walls etc. complete :- 110mm dia.	75.00	Each		
28	12.44	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	6.00	Each		
29	12.42	Providing and fixing on wall face unplasticised - P.V.C moulded fittings/ accessories for unplasticised - Rigid P.V.C rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS 5382 leaving 10 mm gap for thermal expansion :-				

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
a	12.42.1.2	110 mm coupler	24.00	Each		
b	12.42.3.2	110mm singel tee with door	6.00	Each		
c	12.42.5.2	110 mm bend.	12.00	Each		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
d	12.42.6.2	Shoe(plain) 110mm	6.00	Each		
30	13.16.1	6 mm cement plaster of mix:1:3(1 cement:3 fine sand), for ceiling	1455.00	m2		
31	13.4.1	12 mm cement plaster of mix 1:4 (1 cement: 4 coarse sand) for inside walls	3690.00	m2		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
32	13.1.1	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand) to the outside of walls	2355.00	m2		
33	13.9.2 + 13.21	Cement plaster 1:3 (1 cement: 3 coarse sand) to an average thickness of 20 mm finished with a floating coat of neat cement including mixing water proofing compound over roof slab and sunshade	555.00	m2		
34	13.41.1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade New work (two or more coats) over and including water thinnable priming coat with cement primer.	5145.00	m2		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
35	13.44.1	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm).	2355.00	m2		
36	13.48.2	Painting wood work with Duluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/ 10 sqm of approved brand or manufacture	765.00	m2		
37	13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :- Two or more coats to window grills .	285.00	m2		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
38	9.117.1	Providing and fixing factory made PVC door frame made of PVC extruded section having overall dimension of 48 x 40 mm (tolerance + 1 mm) with wall thickness 2.0 mm + 0.2 mm, corners of the door frame to be mitred and jointed by means of plastic/M.S. galvanised brackets and stainless steel screws. The hinge side vertical of the frames reinforced by galvanised M.S.tube of size 19 x 19 mm and 1mm + 0.1 mm wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer - in - charge (Sintex Plasopan or duroplast)	180.00	m		

39	9.118. 2	Providing and fixing 30 mm thick factory made PVC rigid foam panelled door shutters manufactured by M/S. Rajshri or equivalent made from M.S.tube of 19 gauge thickness, size 19 x19 mm for styles and 15 x 15 mm for top and bottom rails, covered with heat moulded PVC "C" channel of 5 mm thick sheet and 30 x50 mm wide to form styles and 5 mm thick and 75 mm wide PVC sheets for top rail, lock rail and bottom rail on either side and 5 mm thick, 20 mm wide cross PVC sheet as gap insert for top rail ad bottom rail, panelling of 5 mm thick PVC sheet fitted in the M.S.frame welded/ sealed to the styles and rails with 5 x 30 mm PVC sheet beading on either side and joined together with solvent cement adhesive etc., complete as per manufacturers specification and direction of Engineer - in -charge fixed to frames with 4 Nos. M.S.powder coated butt hinges (for W.C. and bathroom shutters)	60.00	m2		
40	10.26. 1	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying a priming coat of approved steel primer. M.S. tube.	1005.00	kg		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
41	17.2.1	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid. (Make: Hindware, Jaquar, parryware)	36.00	Each		
42	17.7.7	Providing and fixing wash basin with C.I./M.S brackets painted white ,15 mm C.P brass pillar taps, Kingston / Gem / Techno / Parko, 32 mm C.P brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required :- White Vitreous China Flat back wash basin size 450x300 mm with single 15 mm C.P. brass pillar tap.(Make: Hindware, Jaquar, parryware)	36.00	Each		
43	17.10.2.3	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board 470x420 mm bowl depth 178 mm (Make: Hindware, Jaquar, parryware)	36.00	Each		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
44	18.51.1	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS : standards and weighing not less than 690 grams: 15mm nominal bore. (Jaquar, Hindware, Parryware, crome)	72.00	Each		
45	18.53.1	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore: 15mm nominal bore Make: (Jaquar, Hindware, Parryware, crome)..	72.00	Each		
46	17.69.1	Providing and fixing CP Waste coupling for wash basin and sink of approved quality, colour and make. Waste coupling 31mm of 79mm length and 62mm breadth, weighing not less than 45 gms. Make: (Jauqar, Hindware, Parryware, crome)	72.00	Each		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
47	17.28.1.1	Providing and fixing PVC Waste pipe for sink or wash basin including PVC waste fittings complete: Semi rigid pipe 32mm dia	72.00	Each		
48	18.65	Providing and fixing SS soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements. Weighing not less than 106 gms.	36.00	Each		
49	17.73.2	Providing and fixing SS towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour. 600mm long towel rail with total length of 645mm, width 78mm and effective height of 88mm, weighing not less than 190gms.	36.00	Each		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
50	LMR	Providing and fixing PVC pipes for water supply arrangements including cost pipes, fittings, clamps, wastages solvent cement, testing of pipes, labour charges etc complete : (Make: Supreme, Finolex, Astral)				
		Internal Work - Exposed on wall				
a)	LMR	20mm nominal outer dia.Pipes	30.00	Mtr.		
b)	LMR	25mm nominal outer dia.Pipes	720.00	Mtr.		
c)	LMR	32mm nominal outer dia.Pipes	360.00	Mtr.		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
51	LMR	Providing and fixing PVC pipes for water supply arrangements including cost pipes, fittings, solvent cement, testing of pipes, labour charges etc complete : (Make: Supreme, Finolex, Astral) Concealed work including cutting chases and making good the wall etc				
a)	LMR	20mm nominal outer dia.Pipes	180.00	Mtr.		
b)	LMR	25mm nominal outer dia.Pipes	180.00	Mtr.		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
52	18.18.2	Providing and fixing Ball Valve (brass) of approved quality, High or low pressure, with plastic floats complete. Make: Lehry, Supreme, Finolex, Prince etc., 20mm dia nominal bore	36.00	Each		
53	18.17	Providing and fixing Gun metal gate valve with C.I. wheel of approved quality (screwed end). Make: Lehry, Supreme, Finolex, Prince etc.,				
a)	18.17.1	25 mm dia nominal bore	6.00	Each		
b)	18.17.2	32 mm dia nominal bore	6.00	Each		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
54	M.R.	Providing and fixing PVC soil, waste and vent pipe to IS : 13592 of SWR quality including all fittings, like : Bends, Tees, Elbows, Collars, junction, inspection doors, cowls, offsets, access pipes, jointing with rubber ring / solvent cement by application of leak proof adhesive like FRP paste including cutting holes in walls and floors and making good. Make: (Make: Supreme, Finolex, Astral)				
a)	M.R.	50mm dia (6kg / sq.cm)	180.00	Mtr.		
b)	M.R.	63mm dia (6kg / sq.cm)	180.00	Mtr.		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
c)	M.R.	75mm dia (6kg / sq.cm)	90.00	Mtr.		
d)	M.R.	110mm dia (6 kg / sq.cm)	180.00	Mtr.		
e)	MR	160mm dia (6kg/sq.m)	150.00	Mtr.		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
55	M.R.	Providing and fixing PVC floor trap self cleansing design with or without vent arm complete including cutting and making good the walls and floors. Make: (Make: Supreme, Finolex, Astral),110mm dia inlet 110mm dia outlet	36.00	Each		
56	18.58.1.1	Providing and fixing PTMT grating of approved quality and colour. Circular type.100 mm nominal dia.	36.00	Each		
57	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design :				

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
a)	19.7.1 .1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	18.00	Each		
b)	19.7.3 .1	Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (heavy duty) 560 mm internal diameter, total weight of cover and frame to be not less than 208 kg (weight of cover 108 kg and weight of frame 100 kg) :With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	3.00	Each		
58	19.8	Extra for depth for manholes				
a)	19.8.1 .1	Size 90x80 cm: With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	6.00	m		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
b)	19.8.2 .1	Size 120x90 cm: with common burnt clay F.P.S. (non modular) bricks of class designation 7.5	3.00	m		
59	19.4.2 .1	Providing and fixing square – mouth PVC. Gully trap grade “A” complete with CI grating brick masonry chamber with water tight tight CI cover with frame of 300 x 300mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :150 x 100mm size P type with common burnt clay F.P.S. (non modular) bricks of class designation 7.5	12.00	each		
60	2.10.1 .2	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	60.00	Mtrs		

Item No	Code	Description of Item	Quantity	Unit	Rate (Rs. in words & in figures)	Amount (Rs.)
61	19.6.2	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 150 mm dia. R.C.C. Pipe	60.00	Mtrs		
62	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	18000.00	Ltrs		
		Total Amount				

ELECTRICAL WORKS - FOR 3 BLOCKS

Sl. No	DSR Code	DESCRIPTION	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs.)
1	1.8.2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.	Point	330		
2	1.9	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way piano type switch, phenolic laminated sheet, suitable MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.	Point	36		

Sl. No	DSR Code	DESCRIPTION	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs.)
3	1.14	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in recessed medium class PVC conduit as required.				
a	1.14.1	2x1.5 sq.mm + 1x1.5 sq.mm earth wire	m	960		
b	1.14.2	2x2.5 sq.mm + 1x2.5 sq mm earth wire	m	360		
c	1.14.3	2x4 sq.mm + 1x4 sq mm earth wire	m	450		

Sl. No	DSR Code	DESCRIPTION	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs.)
d	1.14.4	2x6 sq. mm + 1x6 sq. mm earth wire	m	360		
4	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in recess including cutting the wall and making good the same in case of recessed conduit as required.				
a	1.21.1	20 mm	m	195		
b	1.21.2	25mm	m	60		

Sl. No	DSR Code	DESCRIPTION	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs.)
c	1.21.3	32mm	m	75		
5		Supplying and fixing metal box following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.				
a	1.22.1	75mm x 75mm x 60mm deep	Each	36		
b	1.22.2	100mm x 100mm x 60mm deep	Each	36		

Sl. No	DSR Code	DESCRIPTION	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs.)
6		Supplying and fixing following piano type switch/ socket on the existing switch box / cover including connections etc as required.				
a	1.23.7	TV antenna socket outlet	Each	36		
7	1.19	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	m	255		
8	1.29	Supplying and fixing suitable size metal box 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required.	Each	216		

Sl. No	DSR Code	DESCRIPTION	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs.)
9	1.30	Supplying and fixing suitable size metal box 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required.	Each	36		
10	1.38	Supplying and fixing of call bell or buzzer suitable for single phase 230 volts, complete as required	Each	36		
11	1.33	Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	180		

Sl. No	DSR Code	DESCRIPTION	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs.)
12	1.41	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, false ceiling with chain and hook including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	114		
13	1.44	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	Each	72		
14	2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				

Sl. No	DSR Code	DESCRIPTION	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs.)
a	2.3.6	8 way, Double door	Each	36		
15	2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current of 30 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	2.14.2	25 Amps	Each	36		
16	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				

Sl. No	DSR Code	DESCRIPTION	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs.)
a	2.10.1	Single pole	Each	129		
b	2.10.3	Double pole	Each	36		
17	2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc as required.	Each	45		

Sl. No	DSR Code	DESCRIPTION	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs.)
18	5.2	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke as required.	Each	6		
19	5.7	Supplying and laying 8 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	m	69		
20	5.16	Providing and fixing 8 SWG dia G.I. wire on surface or in recess for loop earthing as required.	m	69		

Sl. No	DSR Code	DESCRIPTION	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs.)
21	14.14.1	Providing, laying and fixing 100 mm dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75cm deep) and refilling etc as required.	m	15		
22	14.13.2	Providing, laying and fixing 50 mm dia GI pipe (medium class) in ground / under concrete complete with GI fittings including trenching (75cm deep) and refilling etc as required.	m	15		
<u>LMR Items</u>						
1	LMR	Supply of 1x28W, indoor surface mountable patti type luminaire with CRCA housing, electronic ballast, 28W T5 lamp, lamp holder, prewired complete with all necessary accessories suitable for operation on 230V, 50Hz AC supply as required (Philips TMS 095xTL5 28W/ Wipro WDF 9128 SG).	Each	114		

Sl. No	DSR Code	DESCRIPTION	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs.)
2	LMR	Supplying and fixing ISI marked PVC angle batten holder with 11W CFL lamp including all connection etc as required.	Each	180		
3	LMR	Supply of ceiling fan 1200 mm sweep, double ball bearing, approved colour and quality with original down rod, suspension shackle, canopy etc without regulator complete with all accessories as required. (Usha Striker / Crompton Zepar/ Orient Summer king)	Each	72		
4	1.25	Supplying and fixing stepped type electronic fan regulator piano type on suitable size metal box of 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.	Each	72		

Sl. No	DSR Code	DESCRIPTION	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs.)
5	LMR	Supply, Installation, Testing & Commissioning of Metering panel, cubicle type, made out of 2mm thick CRCA sheet, totally enclosed, IP42, free standing, floor mounting, dust and vermin proof, powder coated, indoor, compartmentalised, suitable for operation on 3 phase and neutral, 415 V, 50Hz AC system, including internal wiring with suitable size wires, spreaders, 3mm thick gland plate, hinged type door with neoprene gasket etc. The panel shall include supply & installation of following switchgears, metering instruments and accessories as per specification.				
		Incomer				
		1 no. 100A TPN Switch fuse unit (Din type) with HRC fuse, rotary handle etc as required.				
		Space provision for accommodating one no. three phase energy meter (check meter), 100A cutout fuse etc with glass view panel and locking arrangement.				
		Busbar				
		1 Set of 100A TPN busbars of high conductivity electrolytic quality Aluminium alloy.				
		1 Set of 25 x 3 mm copper busbars of high conductivity electrolytic quality shall be provided through out the panel for its earthing.				
		Instruments				
		1 Set of phase indicating lamps, LED type, RYB.				
		1 Set of 2A 10kA C curve SP control MCB				

Sl. No	DSR Code	DESCRIPTION	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs.)
		Outgoings				
		12 nos single phase LCD kWh meter, 240V, 10-60A, Acc. class 1 with glass view panel, locking arrangement etc.				
		12 nos 32A cutout fuse unit with HRC fuse and 12 nos. neutral link.	Job	3		
6	LMR	Supply & laying ISI marked electrical grade chequerred type rubber mat of size 2m x 1m x 6 mm suitable for 415V power supply.	Nos	3		
				Sub Total (B) LMR Items		
		Total Amount				
		Grand Total (Civil works + electrical works)				