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Percentage BoQ

Tender Inviting Authority: Staff Officer (civil),CCL, Kathara

Name of Work:-Repair and Renovation of GM Office under GM Unit, Kathara Area .

	Category of Services (To Be Selected by Department)	Category of Bidder(To Be Selected by Bidder)	To Be Entered by Department		
ITC Available	Works Contract	Bidder's Status (Mandatory)	Rate of GST (in %)	GST to be Paid By Bidder (in Rs.)	GST to be Paid By CIL/Subsidiary (in Rs.)
Name of the Bidder/ Bidding Firm / Company :		GST Registered Bidder under regular scheme	18.00	3549956.27	0.00

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
1	Item Description/ Heading					
2	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	16.31	cum	1194.45	19481.48	INR Nineteen Thousand Four Hundred & Eighty One and Paise Forty Eight Only
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	1.60	cum	2060.50	3296.80	INR Three Thousand Two Hundred & Ninety Six and Paise Eighty Only
4	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :Of area 3 sq. metres and below	166.00	nos	218.95	36345.70	INR Thirty Six Thousand Three Hundred & Forty Five and Paise Seventy Only
5	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	4944.54	sqm	32.00	158225.28	INR One Lakh Fifty Eight Thousand Two Hundred & Twenty Five and Paise Twenty Eight Only
6	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1cement : 6 coarse sand)	25.55	cum	6494.75	165940.86	INR One Lakh Sixty Five Thousand Nine Hundred & Forty and Paise Eighty Six Only
7	12 mm cement plaster of mix : 1:6 (1cement : 6fine sand)	4944.54	sqm	217.70	1076426.36	INR Ten Lakh Seventy Six Thousand Four Hundred & Twenty Six and Paise Thirty Six Only
8	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but excluding cost of reinforcement, with 1:1.5:3 (1cement : 1.5coarse sand: 3graded stone aggregate 20 mm nominal size).	5.60	cum	8356.10	46794.16	INR Forty Six Thousand Seven Hundred & Ninety Four and Paise Sixteen Only

9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars	448.00	kg	75.85	33980.80	INR Thirty Three Thousand Nine Hundred & Eighty and Paise Eighty Only
10	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade Area of slab over 0.50 sqm	96.00	sqm	3701.15	355310.40	INR Three Lakh Fifty Five Thousand Three Hundred & Ten and Paise Forty Only
11	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion: Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	3991.64	kg	367.10	1465331.04	INR Fourteen Lakh Sixty Five Thousand Three Hundred & Thirty One and Paise Four Only
12	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):. With float glass panes of 4.0 mm thickness	160.86	sqm	824.65	132653.20	INR One Lakh Thirty Two Thousand Six Hundred & Fifty Three and Paise Twenty Only
13	Providing and fixing ACP in alluminium door,window,ventilator shutters etc complete : with ACP of 4.0 mm thickness	580.44	sqm	1902.50	1104287.10	INR Eleven Lakh Four Thousand Two Hundred & Eighty Seven and Paise Ten Only
14	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding	2127.60	kg	145.60	309778.56	INR Three Lakh Nine Thousand Seven Hundred & Seventy Eight and Paise Fifty Six Only
15	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).Second class teak wood	3.24	cum	112158.90	363394.84	INR Three Lakh Sixty Three Thousand Three Hundred & Ninety Four and Paise Eighty Four Only
16	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	129.89	sqm	2621.05	340448.18	INR Three Lakh Forty Thousand Four Hundred & Forty Eight and Paise Eighteen Only
17	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm 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).	408.00	nos	156.45	63831.60	INR Sixty Three Thousand Eight Hundred & Thirty One and Paise Sixty Only

18	Providing and fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. 12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595 mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16mm thick fire retardant PVC film on the face side and 12micron metalized polyester on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyester film so as to make the tile a completely sealed unit.	1558.71	sqm	1643.65	2561973.69	INR Twenty Five Lakh Sixty One Thousand Nine Hundred & Seventy Three and Paise Sixty Nine Only
19	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	2067.87	sqm	1180.40	2440913.75	INR Twenty Four Lakh Forty Thousand Nine Hundred & Thirteen and Paise Seventy Five Only
20	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x600 mm	656.29	sqm	1221.20	801461.35	INR Eight Lakh One Thousand Four Hundred & Sixty One and Paise Thirty Five Only
21	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1cement : 4coarse sand), including pointing the joints with white cement and matching pigment etc., complete.	165.35	sqm	762.80	126128.98	INR One Lakh Twenty Six Thousand One Hundred & Twenty Eight and Paise Ninety Eight Only
22	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1cement : 3coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	470.25	sqm	871.30	409728.83	INR Four Lakh Nine Thousand Seven Hundred & Twenty Eight and Paise Eighty Two Only

23	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	9452.23	sqm	98.45	930572.04	INR Nine Lakh Thirty Thousand Five Hundred & Seventy Two and Paise Four Only
24	Distemping with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer, of required shade and colour all complete:New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	9285.26	sqm	115.00	1067804.90	INR Ten Lakh Sixty Seven Thousand Eight Hundred & Four and Paise Ninety Only
25	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade : New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 0.90 Ltr/ 10 sqm)	4317.93	sqm	111.95	483392.26	INR Four Lakh Eighty Three Thousand Three Hundred & Ninety Two and Paise Twenty Six Only
26	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	1571.28	sqm	99.90	156970.87	INR One Lakh Fifty Six Thousand Nine Hundred & Seventy and Paise Eighty Seven Only
27	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufactured of density at 25°C, 0.87 - 0.89 kg/litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane : : 3 mm thick	1750.80	sqm	443.70	776829.96	INR Seven Lakh Seventy Six Thousand Eight Hundred & Twenty Nine and Paise Ninety Six Only
28	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1cement: 3coarse sand : 6graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	169.20	sqm	551.30	93279.96	INR Ninety Three Thousand Two Hundred & Seventy Nine and Paise Ninety Six Only
29	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With stainless steel cover plate minimum 1.25 mm thickness	50.00	nos	2086.30	104315.00	INR One Lakh Four Thousand Three Hundred & Fifteen Only
30	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	70.00	nos	731.30	51191.00	INR Fifty One Thousand One Hundred & Ninety One Only
31	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	140.00	nos	95.00	13300.00	INR Thirteen Thousand Three Hundred Only

32	Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge. Anodized (AC 15) aluminium tubular handle bar	140.00	nos	444.80	62272.00	INR Sixty Two Thousand Two Hundred & Seventy Two Only
33	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	140.00	nos	380.40	53256.00	INR Fifty Three Thousand Two Hundred & Fifty Six Only
34	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 300x16 mm	98.00	nos	153.75	15067.50	INR Fifteen Thousand & Sixty Seven and Paise Fifty Only
35	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 250x10 mm	98.00	nos	63.60	6232.80	INR Six Thousand Two Hundred & Thirty Two and Paise Eighty Only
36	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	15.00	nos	4565.40	68481.00	INR Sixty Eight Thousand Four Hundred & Eighty One Only
37	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap	15.00	nos	1458.10	21871.50	INR Twenty One Thousand Eight Hundred & Seventy One and Paise Fifty Only
38	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : One urinal basin with 5 litre white P.V.C. automatic flushing cistern	25.00	nos	4257.55	106438.75	INR One Lakh Six Thousand Four Hundred & Thirty Eight and Paise Seventy Five Only
39	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	15.00	nos	1126.55	16898.25	INR Sixteen Thousand Eight Hundred & Ninety Eight and Paise Twenty Five Only
40	P/F SS towel ring on wall face with concealed fittings arrangement .	25.00	nos	2018.60	50465.00	INR Fifty Thousand Four Hundred & Sixty Five Only
41	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	55.00	nos	516.35	28399.25	INR Twenty Eight Thousand Three Hundred & Ninety Nine and Paise Twenty Five Only
42	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore	40.00	nos	376.95	15078.00	INR Fifteen Thousand & Seventy Eight Only
43	Supplying hand faucet of approved brand as per the direction of EIC	15.00	nos	1489.80	22347.00	INR Twenty Two Thousand Three Hundred & Forty Seven Only
44	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c 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. : 20 mm nominal outer dia Pipes	450.00	MTR	399.20	179640.00	INR One Lakh Seventy Nine Thousand Six Hundred & Forty Only
45	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including 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 : 25 mm nominal outer dia Pipes	450.00	MTR	331.50	149175.00	INR One Lakh Forty Nine Thousand One Hundred & Seventy Five Only

46	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.	15000.00	LTR	8.40	126000.00	INR One Lakh Twenty Six Thousand Only
47	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	15.00	nos	462.15	6932.25	INR Six Thousand Nine Hundred & Thirty Two and Paise Twenty Five Only
48	Providing and fixing on wall face unplasticised Rigid PVC 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, (i) Single socketed pipes. 110 mm diameter	225.00	MTR	262.40	59040.00	INR Fifty Nine Thousand & Thirty Nine and Paise One Hundred Only
49	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC 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. Bend 87.5° 110 mm bend	45.00	nos	114.60	5157.00	INR Five Thousand One Hundred & Fifty Seven Only
50	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), 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 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design : Inside dimensions 455x610 mm and 45 cm deep for single pipe line : With common burnt clay F.P.S. (non modular) bricks of class designation 5	10.00	nos	5215.45	52154.50	INR Fifty Two Thousand One Hundred & Fifty Four and Paise Fifty Only
51	Making of 20 users septic tank	2.00	nos	50583.90	101167.80	INR One Lakh One Thousand One Hundred & Sixty Seven and Paise Eighty Only
52	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non modular) bricks of class designation 5	2.00	nos	21806.30	43612.60	INR Forty Three Thousand Six Hundred & Twelve and Paise Sixty Only
53	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	135.00	cum	188.45	25440.75	INR Twenty Five Thousand Four Hundred & Forty and Paise Seventy Five Only
54	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	1800.00	sqm	10.20	18360.00	INR Eighteen Thousand Three Hundred & Sixty Only
55	Carriage of material by mechanical transport including loading,unloading and stacking at site: Earth for 5 KM	135.00	cum	210.10	28363.50	INR Twenty Eight Thousand Three Hundred & Sixty Three and Paise Fifty Only
56	Carriage of material by mechanical transport including loading,unloading and stacking at site: BUILDING RUBBISH for 1 KM	150.00	cum	168.10	25215.00	INR Twenty Five Thousand Two Hundred & Fifteen Only
57	Welding by gas or electric plant including transportation of plant at site etc. complete.	3000.00	CM	2.95	8850.00	INR Eight Thousand Eight Hundred & Fifty Only
58	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:2:4 (1cement : 2coarse sand : 4graded stone aggregate 20 mm nominal size)	3.00	CUM	6490.90	19472.70	INR Nineteen Thousand Four Hundred & Seventy Two and Paise Seventy Only
59	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	200.00	KG	77.95	15590.00	INR Fifteen Thousand Five Hundred & Ninety Only

60	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	13603.19	sqm	15.25	207448.65	INR Two Lakh Seven Thousand Four Hundred & Forty Eight and Paise Sixty Five Only
61	12 mm cement plaster finished with a floating coat of neat cement of mix : 1:4 (1 cement: 4 fine sand)	590.00	sqm	284.75	168002.50	INR One Lakh Sixty Eight Thousand & Two and Paise Fifty Only
62	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer- in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	1134.00	sqm	571.00	647514.00	INR Six Lakh Forty Seven Thousand Five Hundred & Fourteen Only
63	Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Ridges plain (500 - 600mm)	120.00	MTR	375.90	45108.00	INR Forty Five Thousand One Hundred & Eight Only
64	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of : G.S. Sheet	1134.00	sqm	97.70	110791.80	INR One Lakh Ten Thousand Seven Hundred & Ninety One and Paise Eighty Only
65	Dismantling wooden boardings in lining of walls and partitions, excluding supporting members but including stacking within 50 metres lead : Thickness above 10 mm up to 25 mm	291.60	sqm	46.15	13457.34	INR Thirteen Thousand Four Hundred & Fifty Seven and Paise Thirty Four Only
66	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material within 50 meters lead as directed by Engineer-in-charge.	623.49	sqm	33.70	21011.61	INR Twenty One Thousand & Eleven and Paise Sixty One Only
67	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore	15.00	eh	346.55	5198.25	INR Five Thousand One Hundred & Ninety Eight and Paise Twenty Five Only
68	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall : 25 mm dia nominal bore	60.00	MTR	403.20	24192.00	INR Twenty Four Thousand One Hundred & Ninety Two Only
69	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 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 : White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	5.00	eh	4774.45	23872.25	INR Twenty Three Thousand Eight Hundred & Seventy Two and Paise Twenty Five Only
70	Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine to a minimum depth of 100mm upto 200mm in RCC beams, lintels, columns and slabs to introduce steel bars for sunshades/balconies including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge. Upto and including 12mm dia.	665.00	sqm	95.80	63707.00	INR Sixty Three Thousand Seven Hundred & Seven Only

71	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge: 50mm average thickness	133.00	sqm	165.90	22064.70	INR Twenty Two Thousand & Sixty Four and Paise Seventy Only
72	Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge. Bars upto 12 mm diameter	133.00	sqm	278.61	37055.13	INR Thirty Seven Thousand & Fifty Five and Paise Thirteen Only
73	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. Epoxy bonding adhesive having coverage 2.20 sqm/kg of approved make	133.00	sqm	338.95	45080.35	INR Forty Five Thousand & Eighty and Paise Thirty Five Only
74	Providing & Applying polymer coating in two layers with Dr. Fixit Powercrete (or equivalent) and cement in a ratio of 1:2 (i.e., 1 (Dr. Fixit Powercrete): 2 (Cement) after scrapping and properly cleaning the surface to remove pre-existing paint film & loose particles till plaster is visible, complete in all respect as per the direction of Engineer-in-Charge.	133.00	sqm	108.24	14395.92	INR Fourteen Thousand Three Hundred & Ninety Five and Paise Ninety Two Only
75	Micro concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with SikaRep® Microcrete-4 (or equivalent). 25 mm thick	133.00	sqm	1263.34	168024.22	INR One Lakh Sixty Eight Thousand & Twenty Four and Paise Twenty Two Only
76	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars	1484.28	KG	75.85	112582.64	INR One Lakh Twelve Thousand Five Hundred & Eighty Two and Paise Sixty Four Only
77	Wiring for light point/fan point/exhaust fan point/call bell point with 1.5 sq.mm FR PVC insulated copper Conductorsingle core cable in surface/Recessed PVC conduit, with Modular type Switch, phenolic laminated sheet, Suitable size M.S box and earthing the Point with 1.5sqmm. FR PVCinsulated Copper conductor single core cableetc. as required. (Group –"C")	50.00	nos	1182.00	59100.00	INR Fifty Nine Thousand One Hundred Only
78	Wiring for circuit/sub main wiring along with earth wire with the following sizes of PVC insulated copper conductor, single Core cable in surface/recessed PVCConduit as required (2x1.5Sq.mm+ 1.5sq.mm earth wire)	250.00	mtr	190.00	47500.00	INR Forty Seven Thousand Five Hundred Only
79	.....do .....2 x 2.5 sq.mm + 1 x 2.5 sq. mm earth wire	250.00	mtr	227.00	56750.00	INR Fifty Six Thousand Seven Hundred & Fifty Only
80	.....do.....2x4 sqmm +1x4 sq mm earth wire	250.00	mtr	279.00	69750.00	INR Sixty Nine Thousand Seven Hundred & Fifty Only
81	.....do.....2 x 6 sq.mm + 1 x 6 sq. mm earth wire	250.00	mtr	371.00	92750.00	INR Ninety Two Thousand Seven Hundred & Fifty Only
82	.....do.....2 x 10 sq.mm + 1 x 10 sq. mm earth wire	250.00	mtr	484.00	121000.00	INR One Lakh Twenty One Thousand Only
83	Supplyingandfixingmetalboxof followingsizes(nominal size)onsurfaceinrecesswithsuitablesizeofphenolic laminatedsheetcover infront including painting etc. as required(200 mm X 250 mm X 60 mm deep)	30.00	nos	384.00	11520.00	INR Eleven Thousand Five Hundred & Twenty Only
84	Supplying and fixing following modular switch/Socket on the existing modular plate switch box/cover including connections but excluding modular plate etc. as required. (.....Do.....5/6Amps.switch)	100.00	nos	83.00	8300.00	INR Eight Thousand Three Hundred Only
85	.....Do.....5/6Amps. Socket outlet	100.00	nos	102.00	10200.00	INR Ten Thousand Two Hundred Only
86	.....Do.....15/16 Amps Switch	50.00	nos	129.00	6450.00	INR Six Thousand Four Hundred & Fifty Only
87	.....Do..... 15/16 Amps Socket	50.00	nos	165.00	8250.00	INR Eight Thousand Two Hundred & Fifty Only

88	Supplying and fixing of modular type electronic regulator Supplying & fixing stepped type electronic fan type regulator on the existing modular plate switch box including connection but excluding modular plate etc. as required.	50.00	nos	313.00	15650.00	INR Fifteen Thousand Six Hundred & Fifty Only
89	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required for computer socket	30.00	nos	389.00	11670.00	INR Eleven Thousand Six Hundred & Seventy Only
90	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	30.00	nos	484.00	14520.00	INR Fourteen Thousand Five Hundred & Twenty Only
91	Supplying and fixing 3 pin, 5A ceiling rose on the existing junction box/wooden block including connections etc. as required.	50.00	nos	69.00	3450.00	INR Three Thousand Four Hundred & Fifty Only
92	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	20.00	nos	86.00	1720.00	INR One Thousand Seven Hundred & Twenty Only
93	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SPMCB, "C" curve including connections, painting etc. as required. For AC power supply	15.00	nos	608.00	9120.00	INR Nine Thousand One Hundred & Twenty Only
94	Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. (4 pole MCCB, 100A, 30KA)	6.00	nos	6740.00	40440.00	INR Forty Thousand Four Hundred & Forty Only
95	Providing and fixing following capacity TP&N disconnecter fuseswitch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required for (32A TP&N)	15.00	nos	1862.00	27930.00	INR Twenty Seven Thousand Nine Hundred & Thirty Only
96	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240V, on surface/recess, complete with inn ed copper busbar, neutral busbar, earthbar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator (6 way, Double door)	30.00	nos	1878.00	56340.00	INR Fifty Six Thousand Three Hundred & Forty Only
97	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having as sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required. (25 Amp)	30.00	nos	2248.00	67440.00	INR Sixty Seven Thousand Four Hundred & Forty Only
98	Supplying and fixing 5A to 32A rating, 240/415V, 10kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MOB DB complete with connections, testing and commissioning etc. as required.	10.00	nos	215.00	2150.00	INR Two Thousand One Hundred & Fifty Only
99	Supplying, installation, testing and commissioning of following capacity overhead distribution bus trunking with aluminium bus bars having current density of 130 A/ sq cm at nominal current rating in 1.6mm thick IP 42 sheet steel enclosure in convenient sections with provision of tapping points for use on, 3 phase, 4 wire, 415 volts, 50 Hz, A.C. supply including jointing of sections, bends, earthing with 2 runs of galvanised iron strips, all installation accessories etc. as required. 400 AMP etc.	3.00	mtr	9096.00	27288.00	INR Twenty Seven Thousand Two Hundred & Eighty Eight Only
100	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required. Details of cost for 1 Metres	94.00	mtr	38.00	3572.00	INR Three Thousand Five Hundred & Seventy Two Only

101	Earthing with G.I. earth plate 600mm x 600mm x 6mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7mtr. long etc. with charcoal/coke and salt asrequired.	5.00	nos	6101.00	30505.00	INR Thirty Thousand Five Hundred & Five Only
102	Laying of one number PVC insulated and PVC sheathed /XLPEpowercableof1.1 KVgradeof following size in the existingRCC/ HUME/METAL pipesasrequired (Upto 35 sq. mm)	120.00	mtr	26.00	3120.00	INR Three Thousand One Hundred & Twenty Only
103	Providing of power cable 25sq mm 4core copper cable (armoured) for service connection. (heavy duty)	120.00	mtr	1016.94	122032.80	INR One Lakh Twenty Two Thousand &Thirty Two and Paise Eighty Only
104	Providing of Exhaust Fan 300 mm four blade single phase, 230V(class B)	10.00	nos	1347.45	13474.50	INR Thirteen Thousand Four Hundred & Seventy Four and Paise Fifty Only
105	Providing of ICTP switch 100Amp, 415V	4.00	nos	5237.46	20949.84	INR Twenty Thousand Nine Hundred & Forty Nine and Paise Eighty Four Only
106	Labour charges and other expenses	1.00	job	5163.65	5163.65	INR Five Thousand One Hundred & Sixty Three and Paise Sixty Five Only
107	Total impact of GST for the purpose of CTC	1.000	Nos	0.00	0.00	INR Zero Only
Total in Figures					19721979.25	INR One Crore Ninety Seven Lakh Twenty One Thousand Nine Hundred & Seventy Nine and Paise
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words	INR Zero Only					