The Braithwaite Burn And Jessop Construction Company Ltd.

Name of Work:

Construction of School Building, Staff Quarter, Boundary Wall, etc. for Kendriya Vidyalaya at Narayanpur (UP)

Tender No. NIT/DGM(P-V)/CIVIL/KVS/NARAYANPUR

Date: 26-10-16

SI. No. Description Estimated Cost (percentage) - Above/Below/At-Par Amount (Rs.) Construction of School Building, Staff Quarter, Boundary Wall, etc. for Kendriya Vidyalaya at Narayanpur (UP) Narayanpur (UP)

PRICE BID

Amount in Words:

(Sign. & Stamp - Tenderer)

Name of work: PROPOSED KENDRIYA VIDHALAYA FOR KENDRIYA VIDYALAYA SANGTHAN AT NARAYANPUR.

SI.	DESCRIPTION		AMOUNT
NO.	DESCRIPTION		TOTAL
1	Site clearance (including Leveling & dressing)	₹	14,21,538.00
2	(a) Cost of School Building Including internal w/supply Sanitary installations and electric		
	installation with wiring all Fitting fixtures and other requirements'		
	(c) Cost of building	₹	9,66,84,286.18
3	(a) Cost of Staff Quarters Building Including internal w/supply Sanitary installations and		
	electric installation with wiring all Fitting fixtures and other requirements' (9 units)		
	Staff Quarter Type-II (including electrical)	₹	62,11,747.91
	Staff Quarter Type-III (including elctrical)	₹	67,78,871.30
	Staff Quarter Type-V (Including electrical)	₹	40,61,929.17
	(c) Total Cost of Staff Quarter building	₹	1,70,52,548.37
4	External services and site development works (based on Economy and function)		
	a) Internal Roads /Paths /Culverts	₹	22,73,182.00
	b) Water supply including tube well pump house .pumps O/H Tank	₹	18,85,993.48
	c) Electrical supply including compound lighting	₹	49,53,315.00
	d) Sewage disposal including septic tank soak pits	₹	18,28,725.23
	e) Area drainagec (Strom water drain)	₹	28,81,594.00
	f) Compound wall and gates (as per KVS norms)	₹	1,01,59,455.00
	g) Cycle stand with and tubular tress . As sheet roof	₹	4,35,451.00
	h) Leveling and dressing (Taken in Site Clearance)	₹	-
	i) Retaining walls if any	₹	-
	j) Sports facilities if any (Badminton, Volley Ball & Basket Ball court)	₹	20,71,482.41
	k) Canteen security hut	₹	7,46,429.70
	I) Other items (Covered Stage & Assembly Area)	₹	34,64,401.00
	m) Covering of Open Court Yard	₹	1,07,46,960.00
	Sub Total	₹	4,14,46,988.82
5	TOTAL	₹	15,66,05,361.37
	SAY	₹	15,66,05,361.00

Summary of School Building - KV Narayanpur

S.No.	Sub head		Total Amount
A)	CIVIL		
1	EARTH WORK	₹	9,38,259.00
2	CONCRETE WORK	₹	22,32,663.00
3	REINFORCED CEMENT CONCRETE	₹	3,91,81,051.30
4	BRICK WORK	₹	97,71,707.00
5	WOOD WORK	₹	18,64,808.00
6	STEEL WORK	₹	37,86,701.00
7	FLOORING	₹	1,17,48,346.15
8	ROOFING WORK	₹	24,63,715.60
9	FINISHING	₹	63,70,063.60
10	MISCELLANEOUS CIVIL WORKS	₹	64,08,508.10
11	WATER PROOFING WORK	₹	18,59,283.00
12	STRUCTURAL GLAZING	₹	2,28,241.42
	Sub Total	₹	8,68,53,347.18
	Grand Total	₹	8,68,53,347.18
13	Plumbing	₹	49,21,774.00
14	Electrification	₹	49,09,165.00
	Total	₹	9,66,84,286.18

PROPOSED KENDRIYA VIDYALAYA NARAYAN PUR

COMPLETE ESTIMATE

ITEM NO.	DESCRIPTION OF ITEM	Quantity	UNIT		RATE		AMOUNT
1.0	EARTH WORK						
1.01	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 up to 50m and lift up to 1.5m, disposed earth to be levelled and neatly dressed.						
а	All kinds of soil	1746.93	Cum	₹	155.60	₹	2,71,822.00
1.02	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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.						
а	All kinds of soil.	697.35	Cum	₹	157.50	₹	1,09,833.00
1.03	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, inlayers 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:						
а	All kinds of soil						
i	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	0.00	M	₹	208.30	₹	-
1.04	Filling from available excavated earth, excluding rock/boulder in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth and consolidating each deposited layer by ramming and watering, lead upto 50m and lift upto 1.5m.		Cum	₹	112.40	₹	-
1.05	Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete.	325.25	Cum	₹	910.25	₹	2,96,054.00
1.06	Supplying chemical emulsion in sealed containers including delivery as specified.						
а	Chlorpyriphos/Lindane emulsiflable concentrate of 20%	761.11	Ltr	₹	185.95	₹	1,41,529.00
1.07	Diluting and injecting chemical emulsion (to be supplied free of cost at site of work) for pre-constructional anti-termite treatment and creating a continuous chemical barrier under and around the columns pits, wall trenches, top surface of plinth filling						
а	Chlorophyriphos (20% E.C.)	1586.95	Sqm	₹	75.00	₹	1,19,021.00
	TOTAL EARTH WORK CARRIED OVER TO SUMM	ARY				₹	9,38,259.00
							3,00,203.00
2.0	CONCRETE WORK						
2.01	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level.						
а	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	136.96	Cum	₹	4,301.15	₹	5,89,079.00
b	1:5:10 (1 Cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	326.11	Cum	₹	4,004.00	₹	13,05,747.00
2.02	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc. upto floor five level, excluding the cost of centring, shuttering and finishing:						

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а	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	19.98	Cum	₹	6,450.00	₹	1,28,864.00
2.03	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).	173.17	Sqm	₹	257.80	₹	44,643.00
2.04	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil	173.17	Sqm	₹	132.00	₹	22,858.00
2.05	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	337.40	Sqm	₹	419.30	₹	1,41,472.00
	TOTAL OF CONCRETE WORK CARRIED OVER TO SUMMARY					₹	22,32,663.00
	TOTAL OF CONCRETE WORK CARRIED OVER TO SUMMART						22,32,003.00
3.0	REINFORCED CEMENT CONCRETE						
3.01	Centring and shuttering including strutting, propping etc. and removal of form for :						
а	Foundations, footings, bases of columns etc. for mass concrete.	464.87	Sqm	₹	196.45	₹	91,324.00
b	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	66.09	Sqm	₹	360.80	₹	23,845.00
С	Suspended floors, roofs, landings, balconies and access platform.	5622.98	Sqm	₹	401.65	₹	22,58,470.00
d	Shelves (Cast in situ)	332.84	Sqm	₹	401.65	₹	1,33,687.00
е	Lintels, beams, plinth beams, grinders, bressumers and cantilevers.	4745.08	Sqm	₹	332.15	₹	15,76,080.00
f	Columns, Pillars, Piers, Abutments, Posts and Struts	2628.70	Sqm	₹	453.35	₹	11,91,720.00
g	Stairs, (excluding landings) except spiral-staircase	332.84	Sqm	₹	395.65	₹	1,31,690.00
<u>h</u>	Edges of slabs and breaks in floors and walls.	4005.40	M	x	110.10	x	4 40 200 00
1 i	Under 20 cms wide Cornices and mouldings	1205.40 R.O.	M Sqm	₹	116.40 549.20	₹	1,40,309.00
3.02	Extra for additional height in centering, shuttering where ever required with adequate bracing, proppijng etc. including cost of de-shuttering and decentering at all levels, over a height of 3.5 m for every additional height of 1 metre or part thereof (Plan area to be measured)						
а	Suspended floors, roofs, landing, beams and balconies (plan area to be measured.)	65.31	Sqm	₹	159.05	₹	10,388.00
3.03	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Up to plinth level.and above plinth						
а	Thermo-Mechanically Treated bars.	R.O.	Kg.	₹	68.10		
3.04	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level.						
а	Thermo-Mechanically Treated bars.	309671.67	Kg.	₹	68.10	₹	2,10,88,641.00
3.05	Providing, precast cement concrete Jali 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia mild steel wire including centring and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement : 3 fine sand) etc complete except plastering of the jambs, sills and soffits.						
а	50 mm thick		Sqm	₹	729.95		
3.06	Providing and fixing in position 12mm thick bitumen impregnated fibre board conforming to IS: 1838 including cost of primer, sealing compound in expansion joints.	117.00	per cm depth per per 100m	₹	446.90	₹	52,287.30
3.07	Providing and fixing sheet covering over expansion joints with iron screws as per design to match the colour / shade of wall treatment.						
а	Aluminium fluted strips 3.15mm thick.						
i	150 mm wide.	104.80	М	₹	460.60	₹	48,271.00

3.08	Add or deduct for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	706.50	М	₹	30.75	₹	21,725.00
3.09	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centring, shuttering, finishing and reinforcement including Admixture 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 - M-25 grade reinforced cement concrete by using 380 kg. of cement per cum of concrete. All work upto plinth level.		Cum	₹	6,296.15	₹	-
3.10	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centring, shuttering, finishing and reinforcement including Admixture 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 - M-25 grade reinforced cement concrete by using 380 kg. of cement per cum of concrete. All work upto floor V level.	1769.55	Cum	₹	7,014.55	₹	1,24,12,614.00
	TOTAL OF R.C.C. WORK CARRIED OVER TO SUMMARY					₹	3,91,81,051.30
4.0	BRICK WORK						
4.01	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in :						
а	Cement mortar 1:6 (1 cement: 6 coarse sand)	508.03	Cum	₹	4,677.25	₹	23,76,186.00
4.02	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in :						
а	Cement mortar 1:6 (1 cement : 6 coarse sand)	1095.17	Cum	₹	5,426.15	₹	59,42,573.00
4.03	Half brick masonry with bricks of class designation 75 in superstructure above plinth level upto floor V level						
а	Cement mortar 1:4 (1 cement: 4 coarse sand)	2182.26	Sqm	₹	665.80	₹	14,52,948.00
4.04	Extra for providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third course of half brick masonry (with F.P.S. bricks)	0.00	Sqm	₹	69.50	₹	-
	Providing and laying autoclaved aerated cement blocks masonry with 100mm thick AAC blocks in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand) The rate includes providing and placing in position 2 Nos. 6 mm dia M.S. bars at every third course of masonry work.		Sqm	₹	6,386.95	₹	-
	TOTAL OF BRICK WORK CARRIED OVER TO SUMMARY					₹	97,71,707.00
5.0	WOOD WORK						
5.01	Providing and fixing ISI marked flush door shutters confirming to IS: 2202 (Part-I) non-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.						
а	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	456.00	Sqm	₹	1,909.55	₹	8,70,755.00
5.02	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door shutter to be measured)	456.00	Sqm	₹	365.85	₹	1,66,828.00
5.03	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (Cost of glass excluded) (overall area of door shutter to be measured):						
a	Rectangular or square	374.55	Sqm	₹	139.40	₹	52,212.00
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5.04	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	328.65	Sqm	₹	104.55	₹	34,360.00
5.05	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.						
а	Fixed to steel windows by welding.	6027.75	Kg	₹	109.00	₹	6,57,025.00
5.06	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :						
а	300x16 mm	178.00	Each	₹	229.65	₹	40,878.00
5.07	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:						
а	250 x 10mm	178.00		₹	95.25	₹	16,955.00
b	150 x 10mm	130.00	Each	₹	65.35	₹	8,496.00
5.08	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:						
а	125 mm	178.00	Each	₹	69.80	₹	12,424.00
5.09	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.						
а	Single rubber stopper.	130.00	Each	₹	37.50	₹	4,875.00
5.1	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:						
	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	R.O.	sqm	₹	1,735.00		
	TOTAL OF WOOD WORK CARRIED OVER TO SUMI	MARY				₹	18,64,808.00
	ATTEL WORK						
6.0	STEEL WORK						
6.01	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators side/ top/ centre hung with beading and all members such as K11B and K12B etc. complete of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of hinges, pivots, float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer; excluding the cost of metal beading and other fitting except necessary hinges or pivots as required as per approved design.	8646.30	kg	₹	191.90	₹	16,59,225.00
6.02	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required	4601.00	Kg	₹	83.70	₹	3,85,104.00
	including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.						
6.03							

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а	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	19338.20	Kg	₹	90.10	₹	17,42,372.00
6.04	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a						
	priming coat of approved steel primer						
а	G.I. pipes.		Kg	₹	108.60	₹	-
	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge.(for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)	0.00	kg	₹	619.40	₹	-
	TOTAL OF STEEL WORK CARRIED OVER TO SUM	MADV				=	27.06.704.00
	TOTAL OF STEEL WORK CARRIED OVER TO SUM	WART				₹	37,86,701.00
7.0	FLOORING						
7.01	Providing and fixing 18mm 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 20mm 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.						
	Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble.						
a b	Area of slab upto 0.50 sqm. Area of slab over 0.50 sqm.	94.89	sqm	₹	2,341.55 2,463.55	₹	2,33,771.80
7.02	Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.	94.09	sqm		2,403.33		2,33,771.00
а	Marble work		sqm	₹	136.10		
b	Granite work.	110.30	sqm	₹	230.55	₹	25,429.90
7.03	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin basedadhesive, including cleaning etc. complete.	14.80	sqm	₹	247.40	₹	3,661.77
7.04	Chequered terrazo tiles 22 mm thick with graded marble chips of size up to 6 mm in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement :4coarse sand) :						
а	Ordinary cement without any pigment.	245.94	sqm	₹	829.85	₹	2,04,093.31
7.05	Kota stone slab flooring over 20mm (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 1 : 4 (1 cement : 4 coarse sand) :						
а	25 mm thick	5899.63	Sqm	₹	1,141.40	₹	67,33,839.00
7.06	Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the	546.52	Sqm	₹	1,191.25	₹	6,51,038.00
7.00	shade of the slabs, including rubbing and polishing complete.						

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7.08	Providing and fixing 1st quality ceramic glazed tiles conforming to 1S: 15622 (thickness to be specified by the manufacture) 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 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	2765.39	Sqm	₹	836.65	₹	23,13,662.00
7.09	Providing and fixing 10mm thick acid and/or alkali resistant tiles of approved make and colour using acid and or alkali resisting mortar bedding and joints filled with acid and/or alkali resisting cement as per IS: 4457 complete as per the direction of Engineer-in- Charge.						
a i	In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand). Acid and alkali resistant tile.	123.20	Sqm	₹	1,230.30	₹	1,51,573.00
	Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for flooring and similar locations of required size, approved shade, colour and texture laid over 20mm 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.		Sqm	₹	2,500.00	₹	3,92,243.75
	Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS: 15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement: 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete.	285.32	Sqm	₹	950.05	₹	2,71,071.07
	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than0.08% and conforming to IS:15622, of approved brand & manufacturer in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS:15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).						
	Size of Tile 600x600 mm	408.80	sqm	₹	1,566.70	₹	6,40,466.96
	Providing and fixing Yellow Jaislemer stone 18mm thick 100 mm strips laid over 20 mm thick cement mortar (1 cement:4 Coarse sand) including mirro polishing complete	0.00	Mtr	₹	200.00	₹	-
	TOTAL OF FLOORING CARRIED OVER TO SUMN	IARY				₹	1,17,48,346.15
8.0	ROOFING WORK						
8.01	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement :2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design:						
а	In 75x75mm deep chase	716.11	М	₹	143.10	₹	1,02,475.00
8.02	Making khurras 45 x 45cm with average minimum thickness of 5cm cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over PVC sheet 1m x 1m x 400 micron, finished with 12mm cement plaster 1:3 (1 cement: 3 coarse sand) and coat of neat cement, rounding the edges and making and finishing the outlet complete.	20.00	Each	₹	186.65	₹	3,733.00
8.03	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.						
a	(i) Single socketed pipes	407.55		_	004.05	~	00.004.00
i	110 mm diameter	167.50	М	₹	231.65	₹	38,801.00

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8.04	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.						
a	Coupler			4_			
1	110 mm	13.00	Each	₹	138.30	₹	1,798.00
<u>b</u>	Single tee with door	12.00	Гааһ	=	206.60	=	2 006 00
<u> </u>	110 mm Bend 87.5°	13.00	Each	₹	306.60	₹	3,986.00
C	110 mm	13.00	Each	₹	161.55	₹	2,100.00
d	Shoe (Plain)	10.00	Lacii	+	101.00	`	2,100.00
i	110 mm	13.00	Each	₹	295.10	₹	3,836.00
8.05	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement:4 coarse sand) and making good the walls etc. complete.						
а	110 mm	80.85	Each	₹	189.05	₹	15,285.00
8.06	Providing and filling sinders in sunken slabs including light ramming.	10.53	Cum	₹	1,400.00	₹	14,737.00
	Providing and fixing Heat Resistant Terrace Tiles (300 mm x 300 mm x 20 mm) with SRI (solar refractive index) > 78, solar reflection >0.70 and initial emittance >0.75 on waterproof and sloped surface of terrace, laid on 20 mm thick cement sand mortar in the ratio of 1:4 (1 cement : 4coarse sand) and grouting the joints with mix of white cement & marble powder in ratio of 1:1, including rubbing and polishing of the surface upto 3 cuts complete, including providing skirting upto 150 mm height along the parapet walls in the same manner.	1730.83	sqm	₹	1,133.85	₹	19,62,505.00
	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS: 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50 mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the rate of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I.	202 22			4.020.20		
	12.5 mm thick tapered edge gypsum moisture resistant board.	296.80	sqm	₹	1,059.50	₹	3,14,459.60
	TOTAL OF ROOFING CARRIED OVER TO SUMM	ARY		+		₹	24,63,715.60
	. O ME OF ROOFING OPERATO COMMI			+		1	2-1,00,1 10.00
9.0	FINISHING			1			
9.01	12 mm cement plaster of mix :						
а	1:6 (1 cement : 6 fine sand)	2990.97	Sqm	₹	149.45	₹	4,32,486.00
9.02	15 mm cement plaster on the rough side of single or half brick wall of mix :						
а	1:6 (1 cement : 6 fine sand)	4486.46	Sqm	₹	172.80	₹	7,75,260.00
9.03	20mm cement plaster 1:2 (1 cement : 2 stone dust)	5695.00		₹	285.40	₹	16,25,354.00
9.04	6mm cement plaster of mix:						
а	1:3 (1 cement: 3 fine sand)	7161.13	Sqm	₹	134.70	₹	9,64,604.00

			ı				
9.05	Extra for plastering done on moulding cornices or architraves including						
a	neat finish to line and level: In one coat	R.O.	Sqm	₹	273.25		
9.06	White washing with lime to give an even shade:	11.0.	Oqm		210.20		
	· ·	14638.57	Cam	₹	16.20	₹	2,37,145.00
а	New work (three or more coats) Applying one coat of cement primer of approved brand and manufacture	14030.37	Sqm	Υ.	10.20	ξ.	2,37,143.00
9.07	on wall surface :						
а	Cement primer	14638.57	Sqm	₹	35.85	₹	5,24,793.00
9.08	Finishing walls with textured exterior paint of required shade :						
а	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including base coat of water proofing cement paint applied @ 2.20kg/10 sqm.	5695.00	Sqm	₹	146.45	₹	8,34,033.00
9.09	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade						
а	New work (Two or more coats applied @ 1.43 ltr/ 10 sqm. over and including base coat of water proofing cement paint applied @ 2.20 kg/ 10 sqm).	2847.50	Sqm	₹	94.95	₹	2,70,370.00
9.10	Applying priming coat :						
а	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	1644.00	Sqm	₹	32.95	₹	54,170.00
9.11	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :						
a	Two or more coats on new work	5207.25	Sqm	₹	74.40	₹	3,87,419.00
9.12	Painting of black board with black paint of approved brand and manufacturer.	120.96		₹	120.00	₹	14,515.0
	manuacturer.						
9.13	18 mm thick plain cement mortar band in cement mortar 1:4 (1 cement: 4 fine sand):						
	Raised Band	48536.00	cm per metre	₹	4.85	₹	2,35,399.60
	TOTAL OF FINISHING CARRIED OVER TO SUMM.	ARY				₹	63,70,063.60
10.0	MISCELLANEOUS CIVIL WORKS						
10.01	Providing and fixing 24 SWG G.I. Chicken wire mesh of size 12mm fixed with nails/neat cement plaster etc. as directed at the junction of brick and RCC works.	3366.36	Sqm	₹	50.00	₹	1,68,318.00
10.02	Providing and fixing stone slab table rubbed, edges rounded and polished of size 75x50 cm deep and 1.8 cm thick in urinal partitions by cutting chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.						
а	White Agaria Marble Stone	18.00	Sqm	₹	3,263.50	₹	58,743.00
10.03	providing and fixing GRC Jalli 50 mm thick with 50% area coverd as per specifications of manufacturer.(unistone)	76.54	Sqm	₹	4,500.00	₹	3,44,412.00
10.04	Providing and fixing ACP as permanufacturer specification as per direction of Engineer-in-Charge	48.00	sqm	₹	4,000.00	₹	1,92,000.00
10.05	providing and fixing Stainless Steel Letters 750mm high as per drawings	28.00	each	₹	1,000.00	₹	28,000.00

10.06	Providing and fixing machine cut, mirror / eggshell polished, granite stone work for wall lining (veneer work) including dado, skirting, risers of steps etc., in required design and pattern wherever required, stones of different finished surface texture, on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 oarse sand) laid and jointed with white cement slurry @ 3.3 kg/sqm including pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing, polishing etc. all complete as per Architectural drawings, and as directed by the Engineer-in-Charge.						
	Granite	134.94	sqm	₹	4,000.00	₹	5,39,760.00
10.07	Providing and fixing machine cut, mirror / eggshell polished, granite stone work for Band (veneer work) in required design and pattern wherever required, stones of different finished surface texture, on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 oarse sand) laid and jointed with white cement slurry @ 3.3 kg/sqm including pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing, polishing etc. all complete as per Architectural drawings, and as directed by the Engineer-in-Charge.						
	Granite	308.00	sqm	₹	5,000.00	₹	15,40,000.00
10.08	Providing and fixing artistical glass mosaic tiles (20x20x4mm) mural as per specification and design as per artist requiremnet complete including installation.	340.08	sqm	₹	5,000.00	₹	17,00,400.00
10.09	Providing and laying Insuplast (Vermiculite) average thickness 75mm at terrace in 1:4 (1 Cement:4 Vermiculite) as per manufacturers specifications.	1730.83	sqm	₹	1,000.00	₹	17,30,832.60
10.10	Providing and fixing SS 304 grade cladding to porch columns complete	10.60	sqm	₹	10,000.00	₹	1,06,042.50
	TOTAL OF MICOSIL ANEQUIC CIVIL MICOSIC CARRIED CARRIED TO CLUM	. D.V				_	
	TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMA	ARY				₹	64,08,508.10
11.0	WATER PROOFING WORK						
11.01	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of :						
i	Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.						
ii	Ilnd course of 20mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.						
iii	Illrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area.						
iv	IVth course of 400 micron thick PVC sheet. (overlaps at joints of PVC sheet should be 100mm wide and pasted to each other with bitumen @ 1.7 kg/sqm)	280.84	Sqm	₹	522.90	₹	1,46,851.00

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11.02	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with water proofing compound conforming to IS. 2645 over the RCC slab including clesning the surface before treatment. b) Laying cement concrete using broken bricks/brick bats 25mm to 100mm size with 50% of cement mortar I:5 (1 cement: 5 coarse sand) admixed with proprietary water proofing compound conforming to IS: 2645 over 20mm thick layer of cement mortar of mix 1:5 (1 cement: 5 coarse sand) admixed with proprietary water proofing compound conforming to IS: 2645 to require slope and treating similarly the adjoining walls upto 300mm height rounding of junctions of walls and slabs. c) After two days of proper curing applying a second coat of cement slurry admixed with proprietary water proofing compound conforming to IS: 2645.						
	d) Finishing the surface with 20mm thick jointless cement mortar of min 1:4 (I cement :4 corse sand) admixed with proprietary water proofing compound conforming to IS: 2645 and finally finishinf the surface with trowel with neat cement slurry and making of 300x300mm square. e) The whole terrace so finished shall be flooded with water for a minimum period of two week of curing and for final test. All above operations to be done in order and as directed and specified by the Engineei-in-Charge.						
i	(With avg. thickness of 120mm and minimum thickness at khurra as 65mm).	1680.42	Sqm	₹	1,019.05	₹	17,12,432.00
11.03	Grading roof for water proofing treatment with						
а	Cement mortar 1:3 (1 cement : 3 coarse sand)	0.00	Cum	₹	9,205.70	₹	-
	TOTAL OF WATER PROOFING WORK CARRIED OVER TO SUMMARY					₹	18,59,283.00
12.0 12.01	STRUCTURAL GLAZING AND ACP PANELS Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building, for all heights and all levels etc. including: a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.						
	b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.						
	(c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing.						

TOTAL OF STRUCTURAL GLAZING WORK CARRIED OVER TO SUMMARY					₹	2,28,241.42
(c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing.	60.46	sqm	₹	3,775.30	₹	2,28,241.42
The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium item.s The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.						

Proposed Kendriya Vidyalay at Narayan Pur

ABSTRACT OF COST PLUMBING

2 WATER SUPPLY ₹	TOTAL OUNT
2 WATER SUPPLY ₹	
	16,78,523.00
3 DRAINAGE ₹	13,65,550.00
	18,77,701.00
TOTAL ₹	49,21,774.00
₹	•
₹	49,21,774.00
TOTAL ₹	49,21,774.00

Proposed Kendriya Vidyalaya at Narayanpur

COMPLETE ESTIMATE

ITEM NO.	DESCRIPTION OF ITEM	Quantity	UNIT		RATE		AMOUNT
	SANITARRY FITTINFGS						
1.01	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litres low level white PVC flushing cistern with manually controlled device (handle lever), confirming to IS: 7231, with all fittings and fixtures complete including cutting and making good the wall and floors wherever required.						
а	W.C. pan with ISI marked white solid plastic seat and lid	52.00	Each	₹	3,317.30	₹	1,72,500.00
1.02	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:						
а	White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap.	52.00	Each	₹	1,807.10	₹	93,969.00
1.03	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug 40mm C.P brass waste and 40mm C.P.brass trap with necessary C.P. brass unions complete including painting of fittings and brackets, cutting and making good the walls wherever required						
а	Size 600x450x200mm	9.00	Each	₹	3,162.75	₹	28,465.00
1.04	Providing and fixing white vitreous china water closet squatting pan (Indian type)						
а	Orissa pattern W.C. pan of size 580x440 mm	12.00	Each	₹	1,405.30	₹	16,864.00
1.05	Providing and fixing 100mm sand cast Iron grating for gully trap.	61.00	Each	₹	29.50	₹	1,800.00
1.06	Providing and fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	52.00	Each	₹	793.95	₹	41,285.00
1.07	Providing and fixing soil, waste and vent pipes :						
a	100 mm dia.						
b	Centrifugally cast (spun) iron socketed pipe as per IS: 3989. 75 mm diameter	259.50	M	₹	917.75	₹	2,38,156.00
i	Centrifugally cast (spun) iron socketed pipe as per IS: 3989.	234.40	М	₹	791.30	₹	1,85,481.00
1.08	Providing and fixing M.S. holder-bat clamps of approved design to sand Cast iron / cast iron (Spun) pipe embedded in and including cement concrete blocks 10 X 10 X 10cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc.						
а	For 100 mm dia. pipe	144.00	Each	₹	152.90		22,018.00
	For 75 mm dia. pipe	130.00	Each	₹	150.60	₹	19,578.00
1.09	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete						
a i	100 mm dia. Sand cast iron S&S as per IS - 3989	58.00	Each	₹	385.70	₹	22,371.00
b	75 mm diameter	00.00	Laon	Ì	000.70	`	22,011.00
i	Sand cast iron S&S as per IS - 3989	117.00	Each	₹	318.50	₹	37,265.00
1.10	Providing and fixing plain bend of required degree.						
a ;	100 mm dia. Sand cast iron S&S as per IS - 3989	116.00	Each	₹	335.75	=	38,947.00
b	75 mm diameter	110.00	Eacii		333.73	(30,947.00
i	Sand cast iron S&S as per IS - 3989	234.00	Each	₹	248.80	₹	58,219.00
1.11	Providing and fixing heel rest sanitary bend						
a i	100 mm dia. Sand cast iron S&S as per IS - 3989	26.00	Each	₹	371.75	3	9,666.00
b	75 mm diameter	20.00	∟a∪⊓	<u> </u>	311.13	`	3,000.00
i	Sand cast iron S&S as per IS - 3989	24.00	Each	₹	312.70	₹	7,505.00
1.12	Providing and fixing double equal plain junction of required degree.						
a i	100x100x100x100mm Sand cast iron S&S as per IS - 3989	37.00	Each	₹	748.10	₹	27,680.00
b	75x75x75x75mm	75.00		L_	FF0.00		44.040.00
1.13	Sand cast iron S&S as per IS - 3989 Providing and fixing single equal plain junction of required degree :	75.00	Each	₹	558.90	₹	41,918.00
а	100x100x100mm						
i	Sand cast iron S&S as per IS - 3989	29.00	Each	₹	576.20	₹	16,710.00

ITEM NO.	DESCRIPTION OF ITEM	Quantity	UNIT		RATE		AMOUNT
b	75x75x75mm						
i	Sand cast iron S&S as per IS - 3989	35.00	Each	₹	405.60	₹	14,196.00
1.14	Providing and fixing terminal guard:						
а	100 mm						
i	Sand cast iron S&S as per IS - 3989	0.00	Each	₹	434.50	₹	-
b	75 mm						
i	Sand cast iron S&S as per IS - 3989	0.00	Each	₹	370.75	₹	-
1.15	Providing and fixing collar:						
а	100 mm						
i	Sand cast iron S&S as per IS - 3989	7.00	Each	₹	318.35	₹	2,228.00
<u>b</u>	75 mm	0.00		-	040.75		4.070.00
I	Sand cast iron S&S as per IS - 3989 Providing lead caulked joints to sand cast iron / centrifugally cast (spun) iron pipes and fittings	9.00	Each	₹	219.75	₹	1,978.00
1.16	of diameter:						
а	100 mm	706.00	Each	₹	243.75	₹	1,72,088.00
b	75 mm	1198.00	Each	₹	205.30	₹	2,45,949.00
1.17	Providing and fixing M.S. stays and clamps for sand cast iron / centrifugally cast (spun) iron						
а	pipes of diameter: 100 mm	26.00	Each	₹	68.60	3	1,784.00
b b	75 mm	24.00	Each	₹	57.15		1,764.00
		21.00	Laon		07.10		1,012.00
1.18	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors:						
a i	100 mm inlet and 100 mm outlet Sand cast iron S&S as per IS - 3989	16.00	Each	₹	982.55	₹	15,721.00
b	100 mm inlet and 75 mm outlet	10.00	Eacii	-	902.55	•	13,721.00
i	Sand cast iron S&S as per IS - 3989	61.00	Each	₹	1,020.90	₹	62,275.00
	Cutting chases in brick masonry walls for following diameter sand cast iron/centrifugally cast						
	(spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement :3 coarse						
	sand :6 graded stone aggregate 12.5 mm nominal size) including neces						
а	100 mm dia	13.00	M	₹	332.00	₹	4,316.00
b	75 mm dia	27.00	M	₹	237.60		6,415.00
	Painting sand cast iron/centrifugally cast (spun) iron soil, waste vent pipes and fittings with						
	paint of any colour such as chocolate grey, or buff etc. over a coat of primer (of approved						
	quality) for new work : 100 mm diameter pipe	219.00	M	₹	38.65	3	0.464.00
a b	75 mm diameter pipe	181.00	M	₹	29.50		8,464.00 5,340.00
	Providing and fixing 32 mm dia. C. P. Brass flush valve with manually controlled device	101.00			20.00		0,010.00
	(handle lever) conforming to relevent IS Code of approved brand with all fittings and fixtures	40.00	Each	₹	1,400.00	₹	56,000.00
	complete.						
	TOTAL OF SANITARRY FITTINFGS CARRIED OVER TO SUMMARY					₹ 1	6,78,523.00
							, ,,
	WATER SUPPLY						
	Providing and fixing G.I. pipes complete with G.I. fittings and clamps,including cutting and making good the walls etc. (internal work)						
а	Exposed on wall						
	25mm dia. nominal bore	532.00	М	₹	304.15	₹	1,61,808.00
ii	32mm dia. nominal bore	941.00	М		343.20		3,22,951.00
iv	40mm dia. nominal bore	9.00	M	₹	425.65	₹	3,831.00
2.02	Concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall						
а	15 mm dia nominal bore	860.00	М	₹	306.05	₹	2,63,203.00
	20 mm dia nomina bore	250.00	M		333.85		83,463.00
2.03	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.						
	(external work)	205.00		3	204.45	-	4.00.500.00
а	40mm dia. nominal bore Making connection of G.I. distribution branch with G.I.main of following sizes by providing and	325.00	<u>M</u>	₹	334.15	₹	1,08,599.00
7 114	fixing tee, including cutting and threading the pipe etc. complete.						
а	25 to 40 mm nominal bore	1.00	Each	₹	367.75	₹	368.00
2.05	Providing and fixing brass bib cock of approved quality :						
		400.00		=	000.00	35	20.054.00
а	15 mm nominal bore	123.00	Each	₹	260.60	₹	32,054.00
2.06	Providing and fixing brass stop cock of approved quality :						
а	15 mm nominal bore	144.00	Each	₹	260.60	₹	37,526.00
2.07	Providing and fixing gun metal gate valve with C.I. wheel of approved quality(screwed end)						
	Jane 19 19 19 19 19 19 19 19 19 19 19 19 19						

ITEM NO.	DESCRIPTION OF ITEM	Quantity	UNIT		RATE		AMOUNT
а	25 mm nominal bore	18.00	Each		428.85		7,719.00
b	32 mm nominal bore	32.00	Each		501.55		16,050.00
С	40 mm nominal bore	4.00	Each	₹	585.50	₹	2,342.00
/ / IIX	Providing and fixing ball valve (brass) of approved quality. High or low pressure, with plastic floats complete.						
а	15 mm nominal bore	60.00	Each	₹	288.50	₹	17,310.00
	Painting G.I. pipes and fittings with synthetic enamel white paint over a ready mixed priming						***,0******
2.09	coat, both of approved quality for new work :						
а	25 mm diameter pipe.	532.00	М		9.60		5,107.00
b	32 mm nominal bore.	941.00	М		11.35		10,680.00
С	40 mm nominal bore.	9.00	M	₹	14.95	₹	135.00
2.10	Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved						
а	quality : 40 mm nominal bore.	325.00	М	₹	11.85	₹	3,851.00
	Providing and filling sand of grading zone V or coarser grade alround the G.I. pipes in external	323.00	IVI	_	11.05		3,031.00
2.11	work.						
а	40 mm dia. pipe.	325.00	М	₹	71.75	₹	23,319.00
	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and	0_0.00					
	making long screws including excavation, refilling the earth or cutting of wall and making good						
	the same complete wherever required.						
а	15 mm nominal bore.	60.00	Each		165.25		9,915.00
b	20 mm nominal bore.	30.00	Each		188.50		5,655.00
С	25 mm nominal bore.	36.00	Each		200.10		7,204.00
d	32 mm nominal bore.	96.00	Each		240.75		23,112.00
е	40 mm nominal bore.	6.00	Each	₹	316.25	₹	1,898.00
2.13	Providing and placing on terrace (at all floors 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.	29000.00	Litre	₹	7.25	₹	2,10,250.00
2.14	Providing and fixing C.P. brass swan type bib cock of approved quality :						
а	15 mm nominal bore.	9.00	Each	₹	800.00	₹	7,200.00
	TOTAL OF WATER SUPPLY CARRIED OVER TO SUMMARY	1				₹	13,65,550.00
	DDAINAGE						
	DRAINAGE						
	Providing, laying and jointing glazed stoneware pipes SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :						
а	100 mm diameter	600.00	M		206.55		
b	150 mm diameter	1200.00	M	₹	314.35	₹	3,77,220.00
	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded						
3.02	stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per						
_	standard design: 100 mm diameter S.W. pipe	600.00	M	₹	592.60	₹	3,55,560.00
a b	150 mm diameter S.W. pipe	1200.00	M		724.70		8,69,640.00
	Providing and fixing square-mouth S.W. gully trap SP-1 complete with C.I. grating brick	1200.00	141		124.10		0,00,040.00
	masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the						
3.03	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 :						
а	100 x 100 mm size P type						
i	With F.P.S. Bricks class designation 75	20.00	Each	₹	1,571.25	₹	31,425.00
3.04	Constructing brick masonry manhole in cement mortar 1:4 (1 cement: 4 coarse sand) 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:						
	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						
а	l23 kg and weight of frame 15 kg) :						
a i	23 kg and weight of frame 15 kg) : With F.P.S. bricks with class designation 75	12.00	Each	₹	8,507.00	₹	1,02,084.00
i	With F.P.S. bricks with class designation 75 Extra for depth for manholes	12.00	Each	₹	8,507.00	₹	1,02,084.00
i	With F.P.S. bricks with class designation 75	12.00	Each		8,507.00 5,638.20		1,02,084.00

		Quantity	UNIT	RATE	1	AMOUNT
as crc 16 3.06 on che ide 30	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated is per IS: 10910 on 12mm dia steel bar conforming to IS: 1786 having minimum ross section as 23 mmx25mm and over all minimum length 263 mm and width as 65mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections in tail length on 138 mm as per standard drawing and suitable to with stand the bend test and hemical resistance test as per specifications and having manufacture's permanent dentification mark to be visible even after fixing, including fixing in manholes with 0x20x15 cm cement concrete block 1:3:6 (1 cement: 3 coarse sand: 6 graded tone aggregate 20 mm nominal size) complete as per design.	36.00	Each	₹ 182.40	₹	6,566.00
TC	OTAL OF DRAINAGE CARRIED OVER TO SUMMARY				-	18,77,701.00

Summary KV Narayanpur

S.No.	Sub head	'	Total Amount
1	STEEL WORK	₹	50,16,960.00
2	Misc	₹	57,30,000.00
	Grand Total	₹	1,07,46,960.00

PROPOSED KENDRIYA VIDYALAYA NARAYANPUR

COMPLETE ESTIMATE

ITEM NO.	DESCRIPTION OF ITEM	Quantity	UNIT		RATE		AMOUNT
1.0	STEEL WORK						
1.10	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.						
а	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	55682.13	Kg	₹	90.10	₹	50,16,960.00
	TOTAL OF STEEL WORK CARRIED OVER TO SUMMARY					₹	50,16,960.00
2.0	MISCELLANEOUS CIVIL WORKS						
2.10	Providing and fixing 12mm thick polycarbonate sheet including framing if any complete as per manufacturers specifications						
	Granite	2292.00	sqm	₹	2,500.00	₹	57,30,000.00
	TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY			<u> </u>		₹	57,30,000.00
							,,
				-			

Residence Quarter Type II NARAYAN PUR

SUMMARY OF COST

S.No.	Sub head		Total Amount
1	EARTH WORK	₹	78,882.25
2	CONCRETE WORK	₹	2,16,178.98
3	REINFORCED CEMENT CONCRETE	₹	19,03,740.34
4	BRICK WORK	₹	12,72,847.53
5	WOOD WORK	₹	2,61,201.58
6	STEEL WORK	₹	4,00,186.33
7	FLOORING	₹	3,74,809.44
8	ROOFING WORK	₹	47,209.21
9	FINISHING	₹	5,21,513.64
10	MISCELLANEOUS CIVIL WORKS	₹	2,973.60
11	SANITARRY FITTINFGS	₹	2,06,824.94
12	WATER SUPPLY	₹	1,03,103.20
13	DRAINAGE	₹	64,725.52
14	WATER PROOFING WORK	₹	1,56,167.36
15	Total	₹	56,10,363.91
16	Electrical	₹	6,01,384.00
17	Grand Total	₹	62,11,747.91

Proposed Kendriya Vidyala Narayan Pur

Estimate Staff Quarter Type II

ITEM NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY		RATE		AMOUNT
1.0	EARTH WORK						
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (not exceeding 30cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50m and lift up to 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil	Cum	207.39	₹	157.50	₹	32,663.93
1.02	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:	Outil	201.53		107.50		32,000.00
а	All kinds of soil						
i	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	М	30.00	₹	208.30	₹	6,249.00
1.04	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	138.47	₹	112.40	₹	15,564.48
1.03	Extra for every additional lift of 1.5 m or part thereof in excavation /banking excavated or stacked materials.						
а	All kinds of soil.	Cum	R.O.	₹	46.00		
1.05	Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	-	₹	910.25		
1.06	Supplying chemical emulsion in sealed containers including delivery as specified.						
а	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	Ltr	33.00	₹	185.95	₹	6,136.35
1.07	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion):						
а	Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.						
i	With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	Sqm	55.50	₹	22.70	₹	1,259.85
b	Treatment at points of contact of wood work by chemical emulsion Chlorpyriphos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	Mtr	33.00	₹	200.70	₹	6,623.10
1.07	Diluting and injecting chemical emulsion (to be supplied free of cost at site of work) for pre-constructional anti-termite treatment and creating a continuous chemical barrier under and around the columns pits, wall trenches, top surface of plinth filling						
а	Chlorophyriphos (20% E.C.)	Sqm	138.47	₹	75.00	₹	10,385.55
	TOTAL EARTH WORK CARRIED OVER TO SUMMARY					₹	78,882.25
2.0	CONCRETE WORK						,::
2.01	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :						
а	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	Cum	16.40	₹	4,301.15	₹	70,549.61

b	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	Cum	12.89	₹	4,004.00	₹	51,601.91
2.02	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc., up to floor five level, excluding the cost of centering, shuttering and finishing:					₹	-
а	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum	2.12	₹	6,450.00	₹	13,641.75
2.03	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).	Sqm	21.02	₹	257.80	₹	5,419.47
2.04	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil	Sam	21.02	₹	132.00		2,774.90
		Per bag				₹	-
2.04	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	of 50 Kg of cement used in the mix	5.38	₹	48.00	₹	258.32
2.05	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement :3 coarse sand : 6 graded 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	Sqm	171.56	₹	419.30	₹	71,933.01
	TOTAL OF CONCRETE WORK CARRIED OVER TO SUMMARY					₹	2,16,178.98
3.0	REINFORCED CEMENT CONCRETE						
3.01	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 and 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.						
	(Note:- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).						
а	All work upto plinth level.	Cum	21.52	₹	6,296.15	₹	1,35,508.89
b	All work from plinth level upto floor V level.	Cum	85.74	₹	7,014.55		6,01,453.47
3.02	Centering and shuttering including strutting, propping etc. and removal of form for :					₹	-
а	Foundations, footings, bases of columns, etc. for mass concrete.	Sqm	34.44	₹	196.45	₹	6,765.74
b	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	Sqm	R.O.	₹	360.80		
С	Suspended floors, roofs, landings, balconies and access platform.	Sqm	292.72	₹	401.65	₹	1,17,571.71
d	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	Sqm	364.11	₹	332.15	₹	1,20,939.27
е	Columns, Pillars, Piers, Abutments, Posts and Struts.	Sqm	239.63	₹	453.35		1,08,637.17
f	Stairs, (excluding landings) except spiral-staircases. Steel reinforcement for R.C.C. work including straightening, cutting,	Sqm	23.59	₹	395.65	₹	9,332.99
3.03	bending, placing in position and binding all complete upto plinth level.						
а	Thermo-Mechanically Treated bars.	Kg.	2,367.48	₹	68.10	₹	1,61,225.05

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3.04	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.						
а	Thermo-Mechanically Treated bars.	Kg.	9,431.81	₹	68.10	₹	6,42,306.06
	TOTAL OF R.C.C. WORK CARRIED OVER TO SUMMARY					₹	19,03,740.34
4.0	DDIOK WODK			I			
4.0	BRICK WORK Brick work with common burnt clay F.P.S. (non modular) bricks of						
4.01	class designation 7.5 in foundation and plinth in:						
а	Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	30.99	₹	4,677.25	₹	1,44,952.75
	Brick work with common burnt clay F.P.S. (non modular) bricks of						
4.02	class designation 7.5 in superstructure above plinth level up to floor V					₹	-
a	level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	190.37	₹	5,426.15	₹	10,32,952.84
a	Half brick masonry with common burnt clay F.P.S. (non modular)	Culli	130.37		3,420.13		10,32,332.04
4.03	bricks of class designation 7.5 in superstructure above plinth level up to floor V level.					₹	-
а	Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	129.12	₹	665.80	₹	85,968.10
4.04	Extra for providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third course of half brick masonry.	Sqm	129.12	₹	69.50	₹	8,973.84
	TOTAL OF BRICK WORK CARRIED OVER TO SUMMARY					₹	12,72,847.53
	TOTAL OF BRICK WORK CARRIED OVER TO SUMMART					~	12,12,041.33
5.0	WOOD WORK						
	Providing and fixing ISI marked flush door shutters conforming to IS:						
	2202 (Part I) non-decorative type, core of block board construction with						
5.01	frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both						
	faces of shutters :						
а	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	Sqm	79.20	₹	1,909.55	₹	1,51,236.36
	Extra for providing lipping with 2nd class teak wood battens 25 mm						
5.02	minimum depth on all edges of shutters (over all area of door shutter to be measured)	Sqm	79.2	₹	365.85	₹	28,975.32
	be measured)					₹	
	Providing and fixing M.S. grills of required pattern in frames of windows						
5.03	etc. with M.S. flats, square or round bars etc. including priming coat					₹	-
	with approved steel primer all complete.	l/a	625 10	=	100.00	₹	60 225 00
а	Fixed to steel windows by welding. Providing and fixing ISI marked oxidised M.S. sliding door bolts with	Kg	635.10	₹	109.00		69,225.90
5.04	nuts and screws etc. complete :					₹	-
а	300x16 mm	Each	34.00	₹	173.00	₹	5,882.00
5.05	Providing and fixing ISI marked oxidised M.S. tower bolt black finish,					₹	-
	(Barrel type) with necessary screws etc. complete : 250 x 10mm	Each	34.00	₹	67.00		2,278.00
a b	150 x 10mm	Each	26.00	₹	46.00		1,196.00
	Providing and fixing ISI marked oxidised M.S. handles conforming to		20.00	<u> </u>	10.00		1,100.00
5.06	IS:4992 with necessary screws etc. complete :					₹	-
а	125 mm	Each	52.00	₹	29.00	₹	1,508.00
5.07	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour and shade with necessary					₹	-
а	screws etc. complete. Single rubber stopper.	Each	24.00	₹	37.50	₹	900.00
ŭ	TOTAL OF WOOD WORK CARRIED OVER TO SUMMARY	Luoii	27.00	DSR	31.00	₹	2,61,201.58
				1			
6.0	STEEL WORK						

_							
6.01	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators side /top /centre hung with beading and all members such as F7D, F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design (sectional weight of only steel members shall be measured for payment).						
а	Fixing with 15x3 mm lugs 10 cm. long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	Kg	1,327.80	₹	191.90	₹	2,54,804.82
6.02	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.					₹	-
а	Fixing with 15x3 mm lugs 10 cm. long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	Kg	736.70	₹	83.70	₹	61,661.79
6.03	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.					₹	-
а	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	544.84	₹	90.10	₹	49,089.72
6.04	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.					₹	-
а	M.S. tube.	Kg	212.64	₹	104.70	₹	22,263.16
	Extra for providing and fixing steel beading of size 10 x 10 x 1.6 mm						
6.05	(box type) approved shape and section with screws instead of glazing clips and metal sash putty in steel doors, windows, ventilators and composite units.	Metre	320.80	₹	38.55	₹	12,366.84
6.05	(box type) approved shape and section with screws instead of glazing clips and metal sash putty in steel doors, windows, ventilators and composite units.	Metre	320.80	₹	38.55		
	(box type) approved shape and section with screws instead of glazing clips and metal sash putty in steel doors, windows, ventilators and	Metre	320.80	₹	38.55	₹	12,366.84 4,00,186.33
7.0	(box type) approved shape and section with screws instead of glazing clips and metal sash putty in steel doors, windows, ventilators and composite units.	Metre	320.80	₹	38.55		
	(box type) approved shape and section with screws instead of glazing clips and metal sash putty in steel doors, windows, ventilators and composite units. TOTAL OF STEEL WORK CARRIED OVER TO SUMMARY		320.80	₹	38.55		
7.0	(box type) approved shape and section with screws instead of glazing clips and metal sash putty in steel doors, windows, ventilators and composite units. TOTAL OF STEEL WORK CARRIED OVER TO SUMMARY FLOORING 40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 12mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7mm to 10mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by		320.80	₹	590.10	₹	
7.0	(box type) approved shape and section with screws instead of glazing clips and metal sash putty in steel doors, windows, ventilators and composite units. TOTAL OF STEEL WORK CARRIED OVER TO SUMMARY FLOORING 40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 12mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7mm to 10mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume including cement slurry etc. complete :					₹	4,00,186.33
7.01	(box type) approved shape and section with screws instead of glazing clips and metal sash putty in steel doors, windows, ventilators and composite units. TOTAL OF STEEL WORK CARRIED OVER TO SUMMARY FLOORING 40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 12mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7mm to 10mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume including cement slurry etc. complete : Ordinary cement without any pigment Marble chips skirting (up to 30 cm height) rubbed and polished to granolithic finish, top layer 6 mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4 mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble					₹	4,00,186.33
7.01 7.01 a	(box type) approved shape and section with screws instead of glazing clips and metal sash putty in steel doors, windows, ventilators and composite units. TOTAL OF STEEL WORK CARRIED OVER TO SUMMARY FLOORING 40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 12mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7mm to 10mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume including cement slurry etc. complete : Ordinary cement without any pigment Marble chips skirting (up to 30 cm height) rubbed and polished to granolithic finish, top layer 6 mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4 mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume :			₹		₹	4,00,186.33
7.01 7.01 a	(box type) approved shape and section with screws instead of glazing clips and metal sash putty in steel doors, windows, ventilators and composite units. TOTAL OF STEEL WORK CARRIED OVER TO SUMMARY FLOORING 40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 12mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7mm to 10mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume including cement slurry etc. complete : Ordinary cement without any pigment Marble chips skirting (up to 30 cm height) rubbed and polished to granolithic finish, top layer 6 mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4 mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume : 18 mm thick with under layer 12 mm thick in cement plaster 1:3 (1 cement : 3 coarse sand) :	Sqm	287.52	₹	590.10	₹	1,69,667.91

	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						
7.04	size as approved by Engineer-in-Charge, in skirting, risers of steps and	Sqm	155.82	₹	836.65	₹	1,30,366.80
	dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse	94		•	000.00		.,00,000.00
	sand) and jointing with grey cement slurry @ 3.3kg per sqm including						
	pointing in white cement mixed with pigment of matching shade						
	complete.						
7.05	Providing and fixing glass strips in joints of terrazo/ cement concrete floors.						
а	40 mm wide and 4 mm thick.	Metre	717.50	₹	50.05	₹	35,910.88
u	40 mm wac and 4 mm thick.	Motic	717.50	`	30.03	_	00,010.00
	TOTAL OF FLOORING CARRIED OVER TO SUMMARY			DSR		₹	3,74,809.44
							· ·
8.0	ROOFING WORK						
	Providing corrugated G.S. sheet roofing including vertical/curved						
	surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm						
	diameter with bitumen and G.I. limpet washers or with G.I. limpet						
8.01	washers filled with white lead and including a coat of approved steel						
	primer and two coats of approved paint on overlapping of sheets						
	complete (up to 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.		D.O.	7	4 000 50	-	
а	1.00mm thick with zinc coating not less than 275gm/m²	Sqm	R.O.	₹	1,030.50	₹	-
8.02	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J. or L hooks, bolts and nuts 8 mm dia. G.I.						
0.02	limpet and bitumen washers complete.						
а	0.80mm thick with zinc coating not less than 275gm/m²	М		₹	568.90	₹	-
	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2						
8.03	coarse sand : 4 stone aggregate 10mm and down gauge) including						
0.00	finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per						
	standard design:	М	96.10	₹	143 10	₹	13 751 91
а	In 75x75mm deep chase	M	96.10	₹	143.10	₹	13,751.91
а	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm	M	96.10	₹	143.10	₹	13,751.91
	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone						
a 8.04	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet	M Each	96.10		143.10 186.65		13,751.91
	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement :						
	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.						
	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. Providing and fixing on wall face unplasticised Rigid PVC rain water						
8.04	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring					₹	
	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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)						
8.04	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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.	Each	8.00	₹	186.65	₹	1,493.20
8.04	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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					₹	
8.04	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 Providing and fixing on wall face unplasticised - PVC moulded fittings/	Each	8.00	₹	186.65	₹	1,493.20
8.04	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to	Each	8.00	₹	186.65	₹	1,493.20
8.04 8.05	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 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 :	Each	8.00	₹	186.65	₹₹	1,493.20
8.04 8.05 a 8.06	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 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 : 13592 Type A including jointing with seal ring conforming to IS : 13592 Type A including jointing with seal ring conforming to IS :	Each	8.00	₹	186.65	₹₹₹	1,493.20
8.04 8.05	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 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. Single pushfit Coupler :	Each	46.30	₹	231.65	₹₹₹₹	1,493.20 - 10,725.40 -
8.04 8.05 a 8.06	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 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 : 13592 Type A including jointing with seal ring conforming to IS : 13592 Type A including jointing with seal ring conforming to IS :	Each	8.00	₹	186.65	₹₹₹	1,493.20
8.04 8.05 a 8.06	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 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. Single pushfit Coupler : 110 mm	Each	46.30	₹	231.65	₹ ₹ ₹ ₹ ₹	1,493.20 - 10,725.40 -
8.04 8.05 a 8.06	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 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. Single pushfit Coupler : 110 mm Single tee with door 110x110x110 mm Bend 87.5°	Each Each	46.30 42.00 7.00	₹	231.65 173.00 306.60	₹ ₹ ₹ ₹ ₹ ₹	1,493.20 - 10,725.40 - 2,076.00 - 2,146.20
8.04 8.05 a 8.06 a i b i c	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 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. Single pushfit Coupler : 110 mm Single tee with door 110x110x110 mm Bend 87.5° 110 mm	Each Each	46.30	₹	231.65 173.00	₹ ₹ ₹ ₹ ₹ ₹ ₹	1,493.20 - 10,725.40 - 2,076.00 -
8.04 8.05 a 8.06 a i	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 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. Single pushfit Coupler : 110 mm Single tee with door 110x110x110 mm Bend 87.5° 110 mm Shoe (Plain)	Each Each Each	46.30 12.00 7.00	₹ ₹	186.65 231.65 173.00 306.60 161.55	₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹	1,493.20
8.04 8.05 a 8.06 a i b i c	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 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. Single pushfit Coupler : 110 mm Single tee with door 110x110x110 mm Bend 87.5° 110 mm Shoe (Plain) 110 mm Shoe	Each Each	46.30 42.00 7.00	₹	231.65 173.00 306.60	₹ ₹ ₹ ₹ ₹ ₹ ₹	1,493.20 - 10,725.40 - 2,076.00 - 2,146.20
8.04 8.05 a 8.06 a i b i c	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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) Sinale socketed pipes. 110 mm diameter 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. Single pushfit Coupler : 110 mm Single tee with door 110x110x110 mm Bend 87.5° 110 mm Shoe (Plain) 110 mm Shoe Providing and fixing unplasticised -PVC pipe clips of approved design	Each Each Each	46.30 12.00 7.00	₹ ₹	186.65 231.65 173.00 306.60 161.55	₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹	1,493.20 - 10,725.40 - 2,076.00 - 2,146.20 - 1,130.85
8.04 8.05 a 8.06 a i b i c i d i	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 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. Single pushfit Coupler : 110 mm Single tee with door 110x110x110x110 mm Bend 87.5° 110 mm Shoe (Plain) 110 mm Shoe Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm hard	Each Each Each	46.30 12.00 7.00	₹ ₹	186.65 231.65 173.00 306.60 161.55	₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹	1,493.20 - 10,725.40 - 2,076.00 - 2,146.20 - 1,130.85
8.04 8.05 a 8.06 a i b i c	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 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. Single pushfit Coupler : 110 mm Single tee with door 110x110x110 mm Bend 87.5° 110 mm Shoe (Plain) 110 mm Shoe Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including	Each Each Each	46.30 12.00 7.00	₹ ₹	186.65 231.65 173.00 306.60 161.55	₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹	1,493.20 - 10,725.40 - 2,076.00 - 2,146.20 - 1,130.85
8.04 8.05 a 8.06 a i b i c i d i	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 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. Single pushfit Coupler : 110 mm Single tee with door 110x110x110 mm Bend 87.5° 110 mm Shoe (Plain) 110 mm Shoe Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm 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	Each Each Each	46.30 12.00 7.00	₹ ₹	186.65 231.65 173.00 306.60 161.55	₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹	1,493.20
8.04 8.05 a 8.06 a i b i c i d i	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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) Sinale socketed pipes. 110 mm diameter 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. Single pushfit Coupler : 110 mm Single tee with door 110x110x110 mm Bend 87.5° 110 mm Shoe (Plain) 110 mm Shoe Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm 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 wall etc. complete.	Each Each Each	46.30 12.00 7.00	₹ ₹ ₹	186.65 231.65 173.00 306.60 161.55 295.10	₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹	1,493.20
8.04 8.05 a 8.06 a i b i c i d i 8.07	In 75x75mm deep chase Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 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. Single pushfit Coupler : 110 mm Single tee with door 110x110x110 mm Bend 87.5° 110 mm Shoe (Plain) 110 mm Shoe Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm 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	Each Each Each Each	8.00 46.30 12.00 7.00 7.00	₹ ₹	186.65 231.65 173.00 306.60 161.55	₹ ₹ ₹ ₹₹₹₹₹ ₹	1,493.20

	TOTAL OF ROOFING CARRIED OVER TO SUMMARY					₹	47,209.21
9.0 9.01	FINISHING 12 mm cement plaster of mix :						
9.01 a	1:6 (1 cement : 6 fine sand)	Sqm	471.79	₹	149.45	₹	70,509.25
	15 mm cement plaster on the rough side of single or half brick wall of	Oqiii	471.73	`	140.40		10,000.20
9.02	mix :					₹	-
а	1:6 (1 cement : 6 fine sand)	Sqm	707.69	₹	172.80	₹	1,22,288.38
	18 mm cement plaster in two coats under layer 12 mm thick cement						
9.03	plaster 1:5 (1 cement: 5 coarse sand) finished with a top layer 6mm	Sqm	677.13	₹	241.00	₹	1,63,188.09
	thick cement plaster 1:6 (1 cement: 6 fine sand).						
9.04	6mm cement plaster of mix:		040.04	-	404.70	₹	40.007.00
а	1:3 (1 cement : 3 fine sand)	Sqm	316.31	₹	134.70	₹	42,607.06
9.05	Applying priming coat : With ready mixed pink or Grey primer of approved brand and					₹	-
а	manufacture on wood work (hard and soft wood)	Sqm	23.04	₹	32.95	₹	759.17
	Painting with synthetic enamel paint of approved brand and						
9.06	manufacture to give an even shade:					₹	-
а	Two or more coats on new work	Sqm	67.50	₹	74.40	₹	5,022.30
9.07	Painting with synthetic enamel paint of approved brand and					₹	
9.07	manufacture of required colour to give an even shade:					•	-
2	Two or more coats on new work over an under coat of suitable shade	Sqm	95.04	₹	106.25	₹	10,098.00
а	with ordinary paint of approved brand and manufacture	Sylli	95.04	•	100.25	`	10,090.00
	Distempering with 1st quality acrylic distemper (ready mixed) of						
9.08	approved manufacturer, of required shade and colour complete, as per					₹	-
	manufacturer's specification.	Sqm	1,339.97	₹	50.65	₹	67,869.47
а	Two or more coats on new work.	Sylli	1,339.97	•	50.05		07,009.47
9.09	Finishing walls with water proofing cement paint of required shade :					₹	-
а	New work (Two or more coats applied @ 3.84 kg/10 sqm).	Sqm	677.13	₹	57.85	₹	39,171.91
	real new (the ethnote could approve @ eternights equil).	<u> </u>	011110	•	000		
	TOTAL OF FINISHING CARRIED OVER TO SUMMARY					₹	5,21,513.64
10.0	MISCELLANEOUS CIVIL WORKS						
	Brick edging laid lengthwise with half brick depth including excavation,						
10.01	blick caging laid lengthwise with half blick depth including excavation, [
	refilling and disposal of surplus earth lead upto 50 metres:						
	refilling and disposal of surplus earth lead upto 50 metres :						
a	With common burnt clay F.P.S. (non modular) bricks of class	Metre	84.00	₹	35.40	₹	2,973.60
а	ů i i i	Metre	84.00	₹	35.40	₹	2,973.60
a	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Metre	84.00	₹	35.40		
а	With common burnt clay F.P.S. (non modular) bricks of class	Metre	84.00	₹	35.40	₹	
а	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO	Metre	84.00	₹	35.40		
a 11.0	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO	Metre	84.00	₹	35.40		
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS	Metre	84.00	₹	35.40		
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY	Metre	84.00	₹	35.40		
11.0	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device	Metre	84.00	₹	35.40		
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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	Metre	84.00	₹	35.40		
11.0	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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	Metre	84.00	₹	35.40		2,973.60 2,973.60
11.0	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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	Metre	84.00	₹	35.40		
11.0	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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 580x440mm with					₹	2,973.60
11.0	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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 580x440mm with integral type foot rests.	Metre	4.00		35.40	₹	
11.0 11.01	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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 580x440mm with integral type foot rests. Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass					₹	2,973.60
11.0	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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 580x440mm with integral type foot rests. 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					₹	2,973.60
11.0 11.01	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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 580x440mm with integral type foot rests. 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:					₹	2,973.60
11.01 11.02	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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 580x440mm with integral type foot rests. 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	Each	4.00	₹	3,392.80	₹	2,973.60 13,571.20
11.0 11.01	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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 580x440mm with integral type foot rests. 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.			₹		₹	2,973.60
11.01 11.02	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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 580x440mm with integral type foot rests. 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. Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per	Each	4.00	₹	3,392.80	₹	2,973.60 13,571.20
11.01 11.02	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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 580x440mm with integral type foot rests. 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. 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	Each	4.00	₹	3,392.80	₹	2,973.60 13,571.20
11.01 11.02 a	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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 580x440mm with integral type foot rests. 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. 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	Each	4.00	₹	3,392.80	₹₹₹₹	2,973.60 13,571.20
11.01 11.01 a 11.02 a	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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 580x440mm with integral type foot rests. 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. 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:	Each	4.00	₹	3,392.80	₹ ₹ ₹	2,973.60 13,571.20
11.01 11.02 a	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY SANITARRY FITTINFGS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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 580x440mm with integral type foot rests. 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. 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	Each	4.00	₹	3,392.80	₹ ₹ ₹ ₹	2,973.60 13,571.20

11.04	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.					₹	-
а	Semi rigid pipe					₹	-
i	32 mm dia	Each	4.00	₹	76.75		307.00
ii	40 mm dia	Each	4.00		82.60		330.40
11.05	Providing and fixing 100 mm sand cast Iron grating for gully trap.	Each	12.00	₹	29.50	₹	354.00
11.06	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.	Each	4.00	₹	793.95	₹	3,175.80
11.07	Providing and fixing soil, waste and vent pipes :					₹	-
а	100 mm dia.					₹	-
i	Centrifugally cast (spun) iron socketed pipe as per IS: 3989.	М	37.60	₹	917.75	₹	34,507.40
b	75 mm diameter					₹	-
i	Centrifugally cast (spun) iron socketed pipe as per IS: 3989.	М	69.60	₹	791.30	₹	55,074.48
11.08	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc. :					₹	-
а	For 100 mm dia. pipe	Each	8.00	₹	152.90	₹	1,223.20
b	For 75 mm dia. pipe	Each	8.00	₹	150.60	₹	1,204.80
11.09	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.					₹	-
а	100 mm dia.					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	385.70	₹	1,542.80
b	75 mm diameter					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	12.00	₹	318.50	₹	3,822.00
11.10	Providing and fixing plain bend of required degree					₹	-
а	100 mm dia.					₹	-
į	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	335.75	₹	1,343.00
b	75 mm diameter					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	12.00	₹	248.80	₹	2,985.60
11.11	Providing and fixing heel rest sanitary bend					₹	-
а	100 mm dia.					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	2.00	₹	371.75	₹	743.50
b	75 mm diameter					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	2.00	₹	312.70	₹	625.40
11.12	Providing and fixing double equal plain junction of required degree.					₹	-
а	75x75x75x75mm					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	558.90	₹	2,235.60
11.13	Providing and fixing single equal plain junction of required degree :					₹	-
а	100x100x100mm					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	623.80	₹	2,495.20
b	75x75x75mm					₹	
i	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	472.95	₹	1,891.80
11.14	Providing and fixing terminal guard:					₹	
а	100 mm					₹	
i	Sand cast iron S&S as per IS - 3989	Each	2.00	₹	434.50	₹	869.00
b	75 mm					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	2.00	₹	370.75	₹	741.50
11.15	Providing and fixing collar:					₹	-
а	100 mm					₹	-
	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	318.35	₹	1,273.40
i	175					₹	-
i b	75 mm	-					
i b i	Sand cast iron S&S as per IS - 3989	Each	12.00	₹	219.75	₹	2,637.00
i b i 11.16	Sand cast iron S&S as per IS - 3989 Providing lead caulked joints to sand cast iron/centrifugally cast (spun)	Each	12.00	₹	219.75	₹	2,637.00
i	Sand cast iron S&S as per IS - 3989	Each Each	12.00		219.75	₹	2,637.00

	In			1		I	
11.17	Providing and fixing M.S. stays and clamps for sand cast					₹	-
_	iron/centrifugally cast (spun) iron pipes of diameter :	F I-	0.00	-	00.00	-	407.00
a	100 mm	Each	2.00 2.00		68.60	-	137.20
b	75 mm	Each	2.00	τ	57.15	<	114.30
11.18	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of					₹	
11.10						Υ.	-
	cutting and making good the walls and floors :					₹	
a	100 mm inlet and 100 mm outlet	Each	12.00	3	982.55		11 700 60
ļ	Sand cast iron S&S as per IS - 3989	Eacn	12.00	۲	982.55	<	11,790.60
	Cutting chases in brick masonry walls for following diameter sand cast						
	iron/ centrifugally cast (spun) iron pipes and making good the same						
11.19	with cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone					₹	-
	aggregate 12.5 mm nominal size) including necessary plaster and						
	pointing in cement mortar 1:4 (1 cement : 4 coarse sand) :						
	100 mm dia	M	0.92	3	332.00	₹	20E 44
a	75 mm dia	M	2.76		237.60		305.44
b		М	2.70	۲	237.00	Κ.	655.78
	Painting sand cast iron/ centrifugally cast (spun) iron soil, waste vent						
11.20	pipes and fittings with two coats of synthetic enamel paint of any colour					₹	-
	such as chocolate grey, or buff etc. over a coat of primer (of approved						
	quality) for new work :		40.00	~	20.05	~	757.54
a	100 mm diameter pipe	M	19.60		38.65		757.54
b	75 mm diameter pipe	M	27.60	₹	29.50	₹	814.20
	TOTAL OF SANITARRY FITTINFGS CARRIED OVER TO					₹	2,06,824.94
	SUMMARY						
12.0	WATER SUPPLY						
	Providing and fixing G.I. pipes complete with G.I. fittings and clamps,						
12.01	i/c cutting and making good the walls etc.						
а	Internal work – Exposed on wall.						
i	20 mm dia. nominal bore	М	80.00	₹	249.30	₹	19,944.00
1	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps	IVI	00.00	`	249.50	_	13,344.00
	i/c making good the walls etc. concealed pipe including painting with						
12.02	anti corrosive bitumastic paint, cutting chases and making good the					₹	-
i	wall 15 mm dia nominal bore	М	120.00	3	306.05	₹	36,726.00
'	Providing and fixing G.I. pipes complete with G.I. fittings including	IVI	120.00	`	300.03	<u> </u>	30,720.00
12.03	trenching and refilling etc.					₹	-
	External work					₹	
а	40mm dia. nominal bore	M	50.00	₹	334.15		16,707.50
а	Making connection of G.I. distribution branch with G.I. main of following	IVI	50.00	`	334.13		10,707.50
12.04	sizes by providing and fixing tee, including cutting and threading the					₹	
12.04	pipe etc. complete :					`	-
	25 to 40 mm nominal bore	Each	1.00	₹	367.75	₹	367.75
12.05	Providing and fixing brass bib cock of approved quality:	Lauii	1.00	_	301.13	₹	301.13
a a	15 mm nominal bore	Each	20.00	₹	260.60		5,212.00
12.06	Providing and fixing brass stop cock of approved quality :	Lauii	20.00	`	200.00	₹	J,Z 1Z.UU -
a a	15 mm nominal bore	Each	16.00	₹	260.60		4,169.60
	Providing and fixing gun metal gate valve with C.I. wheel of approved	Lucii	10.00	`	200.00		7,100.00
12.07	quality (screwed end):					₹	-
а	25 mm nominal bore	Each	1.00	₹	428.85	₹	428.85
	Providing and fixing ball valve (brass) of approved quality, High or low	Laon	1.00	`	720.00		720.00
12.08	pressure, with plastic floats complete:					₹	-
а	15 mm nominal bore	Each	4.00	₹	288.50	₹	1,154.00
<u> </u>	Painting G.I. pipes and fittings with synthetic enamel white paint with		1.00			Ť	1,131.00
12.09	two coats over a ready mixed priming coat, both of approved quality for					₹	_
.2.00	new work :					`	
а	20 mm diameter pipe.	М	80.00	₹	11.35	₹	908.00
b	25 mm diameter pipe.	M	0.00		14.95	-	-
	Providing and filling sand of grading zone V or coarser grade all-round	.,,	0.00				
12.10	the G.I. pipes in external work.					₹	-
а	40 mm dia. pipe.	М	50.00	₹	71.75	₹	3,587.50
<u> </u>			30.00	•	0		3,337.30

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12.11	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)					₹	-
а	15 mm nominal bore.	Each	16.00	₹	165.25	₹	2,644.00
b	20 mm nominal bore.	Each	4.00	₹	188.50	₹	754.00
12.12	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	Per Litre	2000.00	₹	5.25	₹	10,500.00
	TOTAL OF WATER SUPPLY CARRIED OVER TO SUMMARY					₹	1,03,103.20
13.0	DRAINAGE						
13.01	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :						
а	100 mm diameter	М	10.00		206.55	₹	2,065.50
b	150 mm diameter	М	10.00	₹	314.35	₹	3,143.50
13.02	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design:					₹	-
а	100 mm diameter S.W. pipe	М	10.00	₹	592.60	₹	5,926.00
b	150 mm diameter S.W. pipe	М	10.00	₹	724.70	₹	7,247.00
С	250 mm diameter S.W./ RCC pipe	М	0.00	₹	977.00	₹	-
13.03	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm 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:					₹	
а	100x100 mm size P type					₹	-
i	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	2.00	₹	1,571.25	₹	3,142.50
13.04	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 :					₹	-
а	150 mm dia. R.C.C. pipe	М	40.00	₹	348.30	₹	13,932.00
13.05	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 :					₹	-
а	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):					₹	-
i	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	3.00	₹	8,507.00		25,521.00
13.06	Extra for depth for manholes					₹	-
	Size 90x80 cm					₹	-
i	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	M	0.30	₹	5,638.20	₹	1,691.46

13.07	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS: 10910 on 12mm dia steel bar conforming to IS: 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) complete as per design.	Each	6.60	₹	311.60	₹	2,056.56 64,725.52
	TOTAL OF DRAINAGE CARRIED OVER TO SUMMART					•	04,723.32
14.0	WATER PROOFING WORK						
14.01	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs						
	c) After two days of proper curing applying a second coat of cement slurry using 2.75kg/ sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-incharge. d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement: 4 coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3mm deep. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge:						
а	With average thickness of 120mm and minimum thickness at khurra as 65 mm.	Sqm	130.07	₹	1,019.05	₹	1,32,542.74
14.02	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of :						
i	Ist course of applying cement slurry @ 4.4 Kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.						
ii	IInd course of 20mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.						
iii	Illrd course of applying blown or residual bitumen applied hot at 1.7 Kg. per sqm of area.						

iv	IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/sqm.)	Sqm	45.18	₹	522.90	₹	23,624.62
	TOTAL OF WATER PROOFING WORK CARRIED OVER TO SUMMARY					₹	1,56,167.36

Residence Quarter Type III NARAYANPUR

SUMMARY OF COST

S.No.	Sub head	Т	otal Amount
1	EARTH WORK	₹	43,735.37
2	CONCRETE WORK	₹	1,28,688.71
3	REINFORCED CEMENT CONCRETE	₹	19,35,352.48
4	BRICK WORK	₹	15,03,481.16
5	WOOD WORK	₹	4,75,994.61
6	STEEL WORK	₹	6,55,970.32
7	FLOORING	₹	3,79,765.16
8	ROOFING WORK	₹	54,381.53
9	FINISHING	₹	4,36,656.95
10	MISCELLANEOUS CIVIL WORKS	₹	2,655.00
11	SANITARRY FITTINFGS	₹	2,06,824.94
12	WATER SUPPLY	₹	1,03,103.20
13	DRAINAGE	₹	54,276.52
14	WATER PROOFING WORK	₹	1,78,851.36
15	GRAND TOTAL	₹	61,59,737.30
16	Electrical	₹	6,19,134.00
17	Total	₹	67,78,871.30

Estimate KV NARAYAN PUR

ITEM NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	R	ATE (RS)	A	MOUNT (RS)
1.0	EARTH WORK						
1.01	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 up to 50m and lift up to 1.5m, disposed earth to be levelled and neatly dressed.						
а	All kinds of soil	Cum	R.O.	₹	155.60		
1.02	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m. All kinds of soil	Cum	186.27	₹	157.50	₹	-
	All KINGS OF SOIL	Cum	100.21	Υ	137.30		
1.02	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:					₹	-
а	All kinds of soil					₹	-
i	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	М	30.00	₹	208.30	₹	6,249.00
1.04	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	121.67	₹	112.40	₹	13,675.42
1.03	Extra for every additional lift of 1.5 m or part thereof in excavation /banking excavated or stacked materials.						
а	All kinds of soil.	Cum	R.O.	₹	46.00		
	Ordinary or hard rock.	Cum	R.O.	₹	83.00		
1.05	Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	-	₹	910.25	₹	-
1.06	Supplying chemical emulsion in sealed containers including delivery as specified.					₹	-
а	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	Ltr	34.68	₹	185.95	₹	6,448.75
1.07	Diluting and injecting chemical emulsion for POST- CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion):					₹	-
а	Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.					₹	-
i	With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration.	Sqm	56.25	₹	22.70	₹	1,276.88
b	Treatment at points of contact of wood work by chemical emulsion Chlorpyriphos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	Mtr	34.68	₹	200.70	₹	6,960.28
1.07	Diluting and injecting chemical emulsion (to be supplied free of cost at site of work) for pre-constructional anti-termite treatment and creating a continuous chemical barrier under and around the columns pits, wall trenches, top surface of plinth filling					₹	
а	Chlorophyriphos (20% E.C.)	Sqm	121.67	₹	75.00	₹	9,125.06

	TOTAL EARTH WORK CARRIED OVER TO SUMMARY		DSR				34,610.31
			MAR	KET R	ATE	₹	9,125.06
	TOTAL EARTH WORK CARRIED OVER TO SUMMARY					₹	43,735.37
2.0	CONCRETE WORK Providing and laying in position cement concrete of specified grade						
2.01	excluding the cost of centering and shuttering - All work up to plinth level :						
а	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	Cum	10.10	₹	4,301.15	₹	43,457.53
b	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	Cum	12.68	₹	4,004.00	₹	50,760.63
2.02	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor,etc., up to floor five level, excluding the cost of centering, shuttering and finishing:					₹	-
а	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum	R.O.	₹	6,450.00		
2.03	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).	Sqm	27.07	₹	257.80	₹	6,978.90
2.04	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil		27.07	₹	132.00	₹	3,573.37
						₹	-
2.04	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	Per bag of 50 Kg of cement used in the mix	6.93	₹	48.00	₹	332.65
2.05	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement :3 coarse sand : 6 graded 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	Sqm	56.25	₹	419.30	₹	23,585.63
	TOTAL OF CONCRETE WORK CARRIED OVER TO SUMMARY					₹	1,28,688.71
3.0	REINFORCED CEMENT CONCRETE						
3.01	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 and 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.						
	(Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).						
а	All work upto plinth level.	Cum	24.58	₹			1,54,787.20
b 3.02	All work from plinth level upto floor V level. Centering and shuttering including strutting, propping etc. and	Cum	79.06	₹	7,014.55	₹	5,54,547.37
	removal of form for :	C===	20.00	3	400.45		6.044.07
a	Foundations, footings, bases of columns, etc. for mass concrete.	Sqm	30.60	₹	196.45	₹	6,011.37

b	Walls (any thickness) including attached pilasters, butteresses,	Sqm		₹	360.80	₹	_
С	plinth and string courses etc. Suspended floors, roofs, landings, balconies and access platform.	Sqm	300.28	₹	401.65		1,20,606.50
d	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	Sqm	328.91	₹	332.15		1,09,246.20
-	•	·					
e f	Columns, Pillars, Piers, Abutments, Posts and Struts. Stairs, (excluding landings) except spiral-staircases.	Sqm Sqm	438.71 37.63	₹	453.35 395.65		1,98,890.09 14,887.91
3.03	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.	Oqiii	37.00		000.00	₹	-
а	Thermo-Mechanically Treated bars.	Kg.	2,704.29	₹	68.10	₹	1,84,161.89
3.04	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.	J	, :			₹	-
а	Thermo-Mechanically Treated bars.	Kg.	8,696.24	₹	68.10	₹	5,92,213.95
	TOTAL OF R.C.C. WORK CARRIED OVER TO SUMMARY					₹	19,35,352.48
4.0	BRICK WORK						
	Brick work with common burnt clay F.P.S. (non modular) bricks of						
4.01	class designation 7.5 in foundation and plinth in:						
а	Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	29.91	₹	4,677.25	₹	1,39,911.84
4.02	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :					₹	-
а	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	226.36	₹	5,426.15	₹	12,28,244.70
4.03	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.					₹	-
a	Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	184.04	₹	665.80	₹	1,22,533.83
4.04	Extra for providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third course of half brick masonry.	Sqm	184.04		69.50		12,790.78
	TOTAL OF BRICK WORK CARRIED OVER TO SUMMARY					₹	15,03,481.16
5.0	TOTAL OF BRICK WORK CARRIED OVER TO SUMMARY WOOD WORK					₹	15,03,481.16
5.0 5.01						₹	15,03,481.16
	WOOD WORK Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 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.	Sqm	71.88	₹	1,909.55		15,03,481.16 1,37,258.45
5.01	WOOD WORK Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 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	Sqm	71.88	₹	1,909.55	₹	
5.01 a	WOOD WORK Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 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. Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door	•			·	₹	1,37,258.45
5.01 a	WOOD WORK Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 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. Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door	•			·	₹	1,37,258.45
5.01 a 5.02	WOOD WORK Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 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. Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door shutter to be measured) Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including	•			·	₹₹	1,37,258.45
5.01 a 5.02	WOOD WORK Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 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. Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door shutter to be measured) 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. Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete:	Sqm	71.88 2,750.04	₹	365.85	₹₹₹₹	1,37,258.45 26,297.30 - - 2,99,754.36
5.01 a 5.02 5.03	WOOD WORK Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 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. Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door shutter to be measured) 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. Providing and fixing ISI marked oxidised M.S. sliding door bolts	Sqm	71.88	₹	365.85	₹₹₹₹	1,37,258.45 26,297.30 -
5.01 a 5.02 5.03 a 5.04	WOOD WORK Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 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. Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door shutter to be measured) 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. Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete:	Sqm	71.88 2,750.04	₹	109.00 173.00	₹ ₹ ₹ ₹ ₹ ₹	1,37,258.45 26,297.30 - - 2,99,754.36
5.01 a 5.02 5.03 a 5.04 a 5.05 a	WOOD WORK Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 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. Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door shutter to be measured) 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. Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete: 300x16 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:	Sqm Kg Each	71.88 2,750.04 35.00	₹	109.00 173.00	₹ ₹ ₹ ₹ ₹ ₹ ₹	1,37,258.45 26,297.30 - - 2,99,754.36 - 6,055.00 - 2,345.00
5.01 a 5.02 5.03 a 5.04 a 5.05 a b	WOOD WORK Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 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. Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door shutter to be measured) 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. Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete: 300x16 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete: 250 x 10mm 150 x 10mm	Sqm Kg Each	71.88 2,750.04 35.00	₹	109.00 173.00	₹ ₹ ₹ ₹ ₹ ₹ ₹ ₹	1,37,258.45 26,297.30 - - 2,99,754.36 - 6,055.00
5.01 a 5.02 5.03 a 5.04 a 5.05 a	WOOD WORK Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 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. Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door shutter to be measured) 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. Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete: 300x16 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:	Sqm Kg Each	71.88 2,750.04 35.00	₹	109.00 173.00	₹ ₹ ₹ ₹ ₹ ₹ ₹	1,37,258.45 26,297.30 - - 2,99,754.36 - 6,055.00 - 2,345.00

	Providing and fixing aluminium hanging floor door stopper ISI						
5.07	marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with					₹	-
	necessary screws etc. complete.						
a	Single rubber stopper.	Each	27.00	₹	37.50	₹	1,012.50
a	Omgle Tubber Stopper.	Lacii	21.00	`	37.30		1,012.00
	TOTAL OF WOOD WORK CARRIED OVER TO SUMMARY					₹	4,75,994.61
							, ,
6.0	STEEL WORK						
6.01	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators side /top /centre hung with beading and all members such as F7D, F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design (sectional weight of only steel members shall be measured for payment).						
a	Fixing with 15x3 mm lugs 10 cm. long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	Kg	2,668.44	₹	191.90	₹	5,12,073.64
6.02	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.					₹	-
а	Fixing with 15x3 mm lugs 10 cm. long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	Kg	568.85	₹	83.70	₹	47,612.75
6.03	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.					₹	-
а	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	544.84	₹	90.10	₹	49,089.72
6.04	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.					₹	-
а	M.S. tube.	Kg	212.64	₹	104.70	₹	22,263.16
6.05	Extra for providing and fixing steel beading of size 10 x 10 x 1.6 mm (box type) approved shape and section with screws instead of glazing clips and metal sash putty in steel doors, windows, ventilators and composite units.	Metre	646.72	₹	38.55	₹	24,931.06
	TOTAL OF STEEL WORK CARRIED OVER TO SUMMARY					₹	6,55,970.32
7.0	FLOODING						
7.0	FLOORING						
7.01	40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 12mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7mm to 10mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume including cement slurry etc. complete :						
2	Ordinary cement without any pigment	Sqm	285.26	₹	590.10	₹	1,68,329.57
а	Ordinary cement without any pigment	Sqrn	∠ŏɔ.∠b	۲.	590.10	۲	1,00,329.57

Kota stone slab flooring over 20 mm (average) thick base laid over and pinited with grey cement slurry mixed with pigment to match base of cement motar 1 : 4 (1 cement : 4 coarse sand) :	P							
au cement: 3 coarse sand): 1 Ordinary cement without any pigment Kots stone slab flooring over 20 mm (everage) thick base laid over and printed with grey cement slury mixed with pigment to match the base of cement morter 1: 4 (1 cement: 4 coarse sand): 2 Smm thick Providing and fixing list qualify ceramic glazad wall tiles conforming to IS: 15622 (hickness to be specified by the manufacturer) of approver make in all colours, shades except brugned, bottle green, black of any size as approved by Engineer-in-Change, in studies and data of the slab individual providing	7.02	granolithic finish, top layer 6 mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4 mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble					₹	-
Containance	а						₹	-
and jointed with grey cement surry mixed with pigment to match the shade of the slabt including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand): 25 mm thick Providing and fixing lat quality ceramic glazed wall tites conforming to IS : 19522 (thickness to be specified by the manufacturer) of approved make in all colours, shades except brugundy, bottle skirling, risers of steps and dados over 12 mm thick bed of cement Mortar 1.3 (1 cement : 3 coarse sand) and jointing with grey cement sturry @ 3.3kg per sgm including pointing in white cement mixed with pigment of matching shade complete. 7.05 Providing and fixing glass stirps in joints of terrazol cement concrete floors. 4 mm wide and 4 mm thick. Metre 645.00 ROOFING WORK Providing congated G. S. sheet roofing including writcal/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G. I impet washers or with G. I impet washers filled with vinite lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal) vertical or curved strateges, evoluting the cost of puttins, reflers and trusses and including outling to size and shape wherever required. a 1.00mm thick with zinc coating not less than 275gm/m² Providing rigides or hips of width 60 cm overall width plain G.S. sheet fixed with prolymer coated J or L hooks, bolts and nuts 8 mm dia. G. I impet and bitumen washers complete. a 0.80mm thick with zinc coating not less than 275gm/m² Providing rigides or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia. G. I impet and bitumen washers complete. A 1.00mm thick with zinc coating not less than 275gm/m² M 2 5 568.90 ₹ 1.679.85 M 104.90 ₹ 143.10 ₹ 1.5011.19 Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:24 (1 cement 1: 2 fine extent). Greater 3 coarses sand 3 graded 1 graded 1 cm and 3	i	,	Sqm	28.83	₹	787.75	₹	22,713.98
Providing and fixing Ist 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 skiring, risers of steps and dados over 12 mm thick bed of cement Mortar 13 (1 cement: 3 coarse sand) and pointing with grey coment sturry @ 3.% pp or pain including pointing in white cement mixed with pigment of matching shade complete. 7.05 Providing and fixing glass strips in joints of terrazor' cement concrete floors. 8	7.03	and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with					₹	-
to 15 : 16622 (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 (1 cement: 3 coares sand) and jointing with grey cement stury @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. 7.05 Providing and fixing glass strips in joints of terrazo/ cement concrete floors. a 40 mm wide and 4 mm thick. Metre 645.00 ₹ 50.05 ₹ 32,282.25 TOTAL OF FLOORING CARRIED OVER TO SUMMARY 8.0 ROFING WORK Providing corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, botts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers or with G.I. limpet washers and including to coate of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to 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. a 1.00mm thick with zinc coating not less than 275gm/m² Sqm ₹ 1,030.50 ₹ - Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J. or L hooks, botts and nuts 8 mm dia. G.I. limpet and bitumen washers complete. 8.01 Bottom thick with zinc coating not less than 275gm/m² M ₹ 568.90 ₹ - Providing gold 75x75 mm in cement concrete 1:24 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 2 coarse sand : 4 graded stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet including point six devices and making and finishing the outlet complete. Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to 15 : 35392 Type A inclu	а	25 mm thick	Sqm	10.88	₹	1,141.40	₹	12,418.43
a 40 mm wide and 4 mm thick. Both Metre 645.00 ₹ 50.05 ₹ 32,282.25 TOTAL OF FLOORING CARRIED OVER TO SUMMARY ROOFING WORK Providing corrupated 62.5s. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces) excluding the cost of putfins, raffers and trusses and including cutting to size and shape wherever required. a 1.00mm thick with zinc coating not less than 275gm/m² Sqm ₹ 1,030.50 ₹ - Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J. or L hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete. a 0.80mm thick with zinc coating not less than 275gm/m² M ₹ 568.90 ₹ - Providing gola 75x75 mm in cement concrete 1:2.4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design. a In 75x75mm deep chase M 104.90 ₹ 143.10 ₹ 15,011.19 Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2.4 (1 cement : 2 coarse sand : 4 graded stone aggregate 102 mm nomial size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) a doad of neat cement, rounding the edges and making and finishing the outlet complete. 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 : 13582 laying PA including jointing with seal ring conforming to IS : 35382 leaving 10 mm gap for thermal expansion.(i) Single socketed pipes.	7.04	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 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement	Sqm	172.14	₹	836.65	₹	1,44,020.93
a 40 mm wide and 4 mm thick. Metre 645.00 ₹ 50.05 ₹ 32,282.25 TOTAL OF FLOORING CARRIED OVER TO SUMMARY ROOFING WORK Providing corrupated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces) excluding the cost of purins, rafters and trusses and including cutting to size and shape wherever required. a 1.00mm thick with zinc coating not less than 275gm/m² Sqm ₹ 1,030.50 ₹ - Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J. or L. hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete. a 0.80m thick with zinc coating not less than 275gm/m² Sqm ₹ 568.90 ₹ - Providing golar 57x75 mm in cement concrete 1:2.4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : a In 75x75mm deep chase M 104.90 ₹ 143.10 ₹ 15,011.19 Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2.4 (1 cement : 2 coarse sand : 4 graded stone aggregate 02 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coal of neat cement, rounding the edges and making and finishing the outlet complete. 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 : 35382 leaving 10 mm gap for thermal expansion.(i) Single socketed pipes.	7.05						₹	_
TOTAL OF FLOORING CARRIED OVER TO SUMMARY 8.0 ROFING WORK Providing corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to 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. a 1.00mm thick with zinc coating not less than 275gm/m² Sqm ₹ 1,030.50 ₹ Providing roidges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J. or L hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete. a 0.80mm thick with zinc coating not less than 275gm/m² M ₹ 568.90 ₹ Providing gold 75x75 mm in cement concrete 1:2.4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design. a In 75x75mm deep chase M 104.90 ₹ 143.10 ₹ 15,011.19 Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2.4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V. Sheet 1mx/mx/400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 expension.(i) Single socketed pipes.			Matra	645.00	3	E0.0E		20 000 05
8.0 ROOFING WORK Providing corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to 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. a 1.00mm thick with zinc coating not less than 275gm/m² Sqm ₹ 1,030.50 ₹ - Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J. or L hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete. a 0.80mm thick with zinc coating not less than 275gm/m² M ₹ 568.90 ₹ - Providing gola 75x/75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : a In 75x75mm deep chase M 104.90 ₹ 143.10 ₹ 15,011.19 Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx/mx/d0micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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 : 13592 Type A including jointing with seal ring conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 153892 Iype A including jointing with seal ring conforming to IS : 153892 Iype A including jointing with seal ring conforming to IS : 153892 Iype A including jointing with seal ring conforming to IS : 15389	a	40 mm wide and 4 mm thick.	Metre	045.00	₹	50.05	₹	32,282.25
Providing corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to 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. a 1.00mm thick with zinc coating not less than 275gm/m² Sqm ₹ 1,030.50 ₹ - Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J. or L hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete. a 0.80mm thick with zinc coating not less than 275gm/m² M ₹ 568.90 ₹ - Providing gola 75x75 mm in cement concrete 1:24 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : a 1		TOTAL OF FLOORING CARRIED OVER TO SUMMARY					₹	3,79,765.16
Providing corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to 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. a 1.00mm thick with zinc coating not less than 275gm/m² Sqm ₹ 1,030.50 ₹ - Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J. or L hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete. a 0.80mm thick with zinc coating not less than 275gm/m² M ₹ 568.90 ₹ - Providing gola 75x75 mm in cement concrete 1:24 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : a 1		DOCENIO WORK						
a 1.00mm thick with zinc coating not less than 275gm/m² Sqm ₹ 1,030.50 ₹ - Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J. or L hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete. a 0.80mm thick with zinc coating not less than 275gm/m² M ₹ 568.90 ₹ - Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : a In 75x75mm deep chase M 104.90 ₹ 143.10 ₹ 15,011.19 Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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.		surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/vertical or curved surfaces) excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever						
sheet fixed with polymer coated J. or L hooks, bolts and nuts 8 mm dia. G.l. limpet and bitumen washers complete. a 0.80mm thick with zinc coating not less than 275gm/m² M ₹ 568.90 ₹ - Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : a In 75x75mm deep chase M 104.90 ₹ 143.10 ₹ 15,011.19 Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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.	а		Sqm		₹	1,030.50	₹	-
Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : a In 75x75mm deep chase M 104.90 ₹ 143.10 ₹ 15,011.19 Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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.	8.02	sheet fixed with polymer coated J. or L hooks, bolts and nuts 8 mm					₹	-
coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : a In 75x75mm deep chase	а	0.80mm thick with zinc coating not less than 275gm/m ²	М		₹	568.90	₹	-
Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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. Bach 9.00 ■ 186.65 ■ 1,679.85		coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :						-
8.04 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. 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. Each 9.00 ₹ 186.65 ₹ 1,679.85	а	In 75x75mm deep chase	М	104.90	₹	143.10	₹	15,011.19
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. ▼ -	8.04	cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the	Each	9.00	₹	186.65	₹	1,679.85
a 110 mm diameter M 60.90 ₹ 231.65 ₹ 14,107.49	8.05	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.						-
	а	110 mm diameter	М	60.90	₹	231.65	₹	14,107.49

	Providing and fixing on wall face unplasticised - PVC moulded						
8.06	fittings/ accessories for unplasticised Rigid PVC rain water pipes					₹	
0.00	conforming to IS: 13592 Type A including jointing with seal ring					Υ .	-
	conforming to IS: 5382 leaving 10 mm gap for thermal expansion.						
а	Single pushfit Coupler :					₹	-
i	110 mm	Each	16.00	₹	173.00	₹	2,768.00
b	Single tee with door					₹ -	-
İ	110x110x110 mm	Each	9.00	₹	306.60	₹	2,759.40
i	Bend 87.5° 110 mm	Each	9.00	₹	161.55	₹	- 1,453.95
d	Shoe (Plain)	Lacii	3.00		101.00	₹	1,400.00
i	110 mm Shoe	Each	9.00	₹	295.10	₹	2,655.90
	Providing and fixing unplasticised -PVC pipe clips of approved						
	design to unplasticised - PVC rain water pipes by means of						
8.07	50x50x50mm 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 wall						
	etc. complete.						
а	110 mm	Each	35.00	₹	189.05	₹	6,616.75
	Providing and filling sinders in sunken slabs including light				1,400.00		
8.08	ramming.	Cum	5.24	₹	1,400.00	₹	7,329.00
0.0	TOTAL OF ROOFING CARRIED OVER TO SUMMARY					₹	54,381.53
9.0 9.01	FINISHING 12 mm cement plaster of mix :						
a 9.01	1:6 (1 cement : 6 fine sand)	Sqm	248.45	₹	149.45	₹	37,130.31
	15 mm cement plaster on the rough side of single or half brick wall	Oqiii	210.10		110.10		07,100.01
9.02	of mix :					₹	-
а	1:6 (1 cement : 6 fine sand)	Sqm	372.67	₹	172.80	₹	64,397.31
	18 mm cement plaster in two coats under layer 12 mm thick						
9.03	cement plaster 1:5 (1 cement: 5 coarse sand) finished with a top	Sqm	654.64	₹	241.00	₹	1,57,767.76
	layer 6mm thick cement plaster 1:6 (1 cement: 6 fine sand).						
9.04	6mm cement plaster of mix:					₹	-
а	1:3 (1 cement : 3 fine sand)	Sqm	340.85	₹	134.70	₹	45,912.04
9.05	Applying priming coat :	,				₹	-
а	With ready mixed pink or Grey primer of approved brand and	Sqm	286.16	₹	32.95	₹	9,428.87
	manufacture on wood work (hard and soft wood)	94				`	0, 120.01
9.06	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					₹	-
а	Two or more coats on new work	Sqm	67.50	₹	74.40	₹	5,022.30
	Painting with synthetic enamel paint of approved brand and	Oq	01.00	`	7 11.10		0,022.00
9.07	manufacture of required colour to give an even shade:					₹	-
	Two or more coats on new work over an under coat of suitable						
а	shade with ordinary paint of approved brand and manufacture.	Sqm	286.16	₹	106.25	₹	30,404.16
	, i						
9.08	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as					₹	
3.00	per manufacturer's specification.					`	-
а	Two or more coats on new work.	Sqm	961.96	₹	50.65	₹	48,723.41
9.09	Finishing walls with water proofing cement paint of required shade					₹	•
9.09	:						
а	New work (Two or more coats applied @ 3.84 kg/10 sqm).	Sqm	654.64	₹	57.85	₹	37,870.81
	TOTAL OF FINISHING CARRIED OVER TO SHAMARY					₹	4 2C CEC 0E
	TOTAL OF FINISHING CARRIED OVER TO SUMMARY					•	4,36,656.95
10.0	MISCELLANEOUS CIVIL WORKS						
	Brick edging laid lengthwise with half brick depth including						
10.01	excavation, refilling and disposal of surplus earth lead upto 50						
	metres :						
а	With common burnt clay F.P.S. (non modular) bricks of class	Metre	75.00	₹	35.40	₹	2,655.00
	designation 7.5	-					,
				<u> </u>			
	TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER					_	0.0== 00
	TO SUMMARY					₹	2,655.00

11.0	SANITARRY FITTINFGS						
11.01	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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:						
а	White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.	Each	4.00	₹	3,392.80	₹	13,571.20
11.02	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:					₹	-
а	White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap.	Each	4.00	₹	1,807.10	₹	7,228.40
11.03	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:					₹	-
а	Kitchen sink without drain board					₹	-
i	610x510 mm bowl depth 200 mm.	Each	4.00	₹	4,343.45	₹	17,373.80
11.04	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.					₹	-
<u>a</u>	Semi rigid pipe	Гb	4.00	3	70.75	₹	- 207.00
ii	32 mm dia 40 mm dia	Each Each	4.00 4.00	₹	76.75 82.60		307.00 330.40
11.05	Providing and fixing 100 mm sand cast Iron grating for gully trap.	Each	12.00	₹	29.50		354.00
11.06	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.	Each	4.00	₹	793.95	₹	3,175.80
11.07	Providing and fixing soil, waste and vent pipes :					₹	-
а	100 mm dia.					₹	
i	Centrifugally cast (spun) iron socketed pipe as per IS: 3989.	М	37.60	₹	917.75		34,507.40
b	75 mm diameter					₹	<u> </u>
i	Centrifugally cast (spun) iron socketed pipe as per IS: 3989.	М	69.60	₹	791.30	₹	55,074.48
11.08	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc. :					₹	-
а	For 100 mm dia. pipe	Each	8.00	₹	152.90		1,223.20
11.09	For 75 mm dia. pipe Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.	Each	8.00	₹	150.60	₹	1,204.80
	100 mm dia.					₹	
a i	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	385.70	₹	1,542.80
b	75 mm diameter	_0011	1.00	<u> </u>	550.70	₹	1,042.00
i	Sand cast iron S&S as per IS - 3989	Each	12.00	₹	318.50	₹	3,822.00
11.10	Providing and fixing plain bend of required degree.					₹	-
a	100 mm dia.	Each.	4.00	3	225 75	₹	1 2 4 2 0 0
b	Sand cast iron S&S as per IS - 3989 75 mm diameter	Each	4.00	₹	335.75	₹	1,343.00
i 44.44	Sand cast iron S&S as per IS - 3989	Each	12.00	₹	248.80		2,985.60
11.11	Providing and fixing heel rest sanitary bend 100 mm dia.					₹	-
a i	Sand cast iron S&S as per IS - 3989	Each	2.00	₹	371.75		743.50
b	75 mm diameter					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	2.00	₹	312.70	₹	625.40

						ı	
11.12	Providing and fixing double equal plain junction of required degree.					₹	_
	75x75x75x75mm					₹	
a	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	558.90		2,235.60
	Sand cast non Sas as per 13 - 3909	Eacii	4.00	-	330.90		2,233.00
11.13	Providing and fixing single equal plain junction of required degree :					₹	-
а	100x100x100mm					₹	
i	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	623.80	₹	2,495.20
b	75x75x75mm	Laon	1.00	<u> </u>	020.00	₹	
i	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	472.95		1,891.80
11.14	Providing and fixing terminal guard:					₹	-
а	100 mm					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	2.00	₹	434.50	₹	869.00
b	75 mm					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	2.00	₹	370.75	₹	741.50
11.15	Providing and fixing collar:					₹	-
а	100 mm					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	318.35		1,273.40
b	75 mm					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	12.00	₹	219.75	₹	2,637.00
11.16	Providing lead caulked joints to sand cast iron/centrifugally cast			1		₹	_
	(spun) iron pipes and fittings of diameter:		10.00	+	0.45 ==		44 =======
a	100 mm	Each	48.00	₹	243.75		11,700.00
b	75 mm	Each	112.00	₹	205.30	₹	22,993.60
11.17	Providing and fixing M.S. stays and clamps for sand cast					₹	_
_	iron/centrifugally cast (spun) iron pipes of diameter :	□ l-	0.00	=	CO CO	x	427.00
a	100 mm	Each	2.00	₹	68.60		137.20 114.30
b	75 mm	Each	2.00	Υ	57.15	<	114.30
	Providing and fixing trap of self cleansing design with screwed						
11.18	down or hinged grating with or without vent arm complete,					₹	-
	including cost of cutting and making good the walls and floors :						
а	100 mm inlet and 100 mm outlet					₹	
i	Sand cast iron S&S as per IS - 3989	Each	12.00	₹	982.55		11,790.60
	Cutting chases in brick masonry walls for following diameter sand	Lacii	12.00	 	302.00	`	11,730.00
	cast iron/ centrifugally cast (spun) iron pipes and making good the						
	same with cement concrete 1:3:6 (1 cement : 3 coarse sand :6					_	
11.19	graded stone aggregate 12.5 mm nominal size) including					₹	-
	necessary plaster and pointing in cement mortar 1:4 (1 cement : 4						
	coarse sand):						
а	100 mm dia	М	0.92	₹	332.00	₹	305.44
b	75 mm dia	М	2.76	₹	237.60	₹	655.78
	Painting sand cast iron/ centrifugally cast (spun) iron soil, waste						
	vent pipes and fittings with two coats of synthetic enamel paint of						
11.20	any colour such as chocolate grey, or buff etc. over a coat of					₹	-
	primer (of approved quality) for new work :						
	· · · · · · · · · · · · · · · · · · ·					_	
a	100 mm diameter pipe	M	19.60	₹	38.65		757.54
b	75 mm diameter pipe	M	27.60	₹	29.50	₹	814.20
	TOTAL OF SANITADDY FITTINESS CARRIED OVER TO						
	TOTAL OF SANITARRY FITTINFGS CARRIED OVER TO SUMMARY					₹	2,06,824.94
	SUMMART						
12.0	WATER SUPPLY						
	Providing and fixing G.I. pipes complete with G.I. fittings and						
12.01	clamps, i/c cutting and making good the walls etc.						
а	Internal work – Exposed on wall.						
i	20 mm dia. nominal bore	М	80.00	₹	249.30	₹	19,944.00
	Providing and fixing G.I. Pipes complete with G.I. fittings and			1	3.00		.,
40.00	clamps i/c making good the walls etc. concealed pipe including					_	
12.02	painting with anti corrosive bitumastic paint, cutting chases and					₹	-
	making good the wall			1			
i	15 mm dia nominal bore	М	120.00	₹	306.05	₹	36,726.00
12.03	Providing and fixing G.I. pipes complete with G.I. fittings including					₹	
12.03	trenching and refilling etc.					`	
	External work					₹	-
а	40mm dia. nominal bore	М	50.00	₹	334.15	₹	16,707.50

1	Trans			1	1		
40.04	Making connection of G.I. distribution branch with G.I. main of					~	
12.04	following sizes by providing and fixing tee, including cutting and					₹	-
	threading the pipe etc. complete :		4.00	-	007.75		007.75
a 40.05	25 to 40 mm nominal bore	Each	1.00	₹	367.75	₹	367.75
12.05	Providing and fixing brass bib cock of approved quality:	F	00.00	-	000.00	₹	
a 40.00	15 mm nominal bore	Each	20.00	₹	260.60	₹	5,212.00
12.06	Providing and fixing brass stop cock of approved quality:	Гась	16.00	3	260.60	₹	4 160 60
а	15 mm nominal bore Providing and fixing gun metal gate valve with C.I. wheel of	Each	16.00	₹	260.60	τ	4,169.60
12.07	approved quality (screwed end):					₹	-
	25 mm nominal bore	Each	1.00	₹	428.85	₹	428.85
а	Providing and fixing ball valve (brass) of approved quality, High or	Lacii	1.00	_	420.00	`	420.00
12.08	low pressure, with plastic floats complete:					₹	-
а	15 mm nominal bore	Each	4.00	₹	288.50	₹	1,154.00
а	Painting G.I. pipes and fittings with synthetic enamel white paint	Lacii	4.00		200.50		1,134.00
12.09	with two coats over a ready mixed priming coat, both of approved					₹	_
12.09	quality for new work :					`	-
а	20 mm diameter pipe.	M	80.00	₹	11.35	₹	908.00
b	25 mm diameter pipe.	M	0.00	₹	14.95	₹	900.00
U	Providing and filling sand of grading zone V or coarser grade all-	IVI	0.00	<u> </u>	14.33		_ _
12.10	round the G.I. pipes in external work.					₹	-
а	40 mm dia. pipe.	M	50.00	₹	71.75	₹	3,587.50
a	Providing and fixing G.I. Union in G.I. pipe including cutting and	IVI	30.00	<u> </u>	71.75		3,307.30
12.11	threading the pipe and making long screws etc. complete (New					₹	_
12.11	work)					`	_
а	15 mm nominal bore.	Each	16.00	₹	165.25	₹	2,644.00
b	20 mm nominal bore.	Each	4.00	₹	188.50	₹	754.00
	Providing and placing on terrace (at all floor levels) polyethylene	Laon	1.00	<u> </u>	100.00		701.00
	water storage tank ISI: 12701 marked with cover and suitable						
12.12	locking arrangement and making necessary holes for inlet, outlet	Per Litre	2000.00	₹	5.25	₹	10,500.00
12.12	and overflow pipes but without fittings and the base support for	1 Of End o	2000.00	`	0.20	•	10,000.00
	tank						
	Will.			I .			
	TOTAL OF WATER OURREY CARRIED OVER TO SUMMARY					_	1 00 100 00
	TOTAL OF WATER SUPPLY CARRIED OVER TO SUMMARY					₹	1,03,103.20
3							
13.0	DRAINAGE						
13.0							
	Providing, laying and jointing glazed stoneware pipes class SP-1						
13.0	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1						
	Providing, laying and jointing glazed stoneware pipes class SP-1						
	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1	M	10.00	₹	206.55	₹	2,065.50
13.01	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :	M M	10.00 10.00	₹	206.55 314.35		
13.01 a	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter						
13.01 a b	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse					₹	2,065.50 3,143.50
13.01 a	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round						
13.01 a b	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse					₹	
13.01 a b	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 100 mm diameter S.W. pipe	M				₹	3,143.50
13.01 a b	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 100 mm diameter S.W. pipe 150 mm diameter S.W. pipe	M M M	10.00 10.00 10.00	₹₹	314.35 592.60 724.70	₹₹	3,143.50
13.01 a b	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 100 mm diameter S.W. pipe 150 mm diameter S.W. pipe 250 mm diameter S.W./ RCC pipe	M	10.00	₹	314.35 592.60	₹	3,143.50 - 5,926.00
13.01 a b 13.02 a b	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 100 mm diameter S.W. pipe 150 mm diameter S.W. pipe 250 mm diameter S.W./ RCC pipe Providing and fixing square-mouth S.W. gully trap class SP-1	M M M	10.00 10.00 10.00	₹₹	314.35 592.60 724.70	₹₹	3,143.50 - 5,926.00
13.01 a b 13.02 a b c	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 100 mm diameter S.W. pipe 150 mm diameter S.W. pipe 250 mm diameter S.W./ RCC pipe Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight	M M M	10.00 10.00 10.00	₹₹	314.35 592.60 724.70	₹₹₹	3,143.50 - 5,926.00
13.01 a b 13.02 a b	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 100 mm diameter S.W. pipe 150 mm diameter S.W. pipe 250 mm diameter S.W./ RCC pipe Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of	M M M	10.00 10.00 10.00	₹₹	314.35 592.60 724.70	₹₹	3,143.50 - 5,926.00
13.01 a b 13.02 a b c	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 100 mm diameter S.W. pipe 150 mm diameter S.W. pipe 250 mm diameter S.W./ RCC pipe Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than	M M M	10.00 10.00 10.00	₹₹	314.35 592.60 724.70	₹₹₹	3,143.50 - 5,926.00
13.01 a b 13.02 a b c	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 100 mm diameter S.W. pipe 150 mm diameter S.W. pipe 250 mm diameter S.W./ RCC pipe Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm 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 :	M M M	10.00 10.00 10.00	₹₹	314.35 592.60 724.70	₹ ₹ ₹	3,143.50 - 5,926.00
13.01 a b 13.02 a b c	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 100 mm diameter S.W. pipe 150 mm diameter S.W. pipe 250 mm diameter S.W./ RCC pipe Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm 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 : 100x100 mm size P type	M M M	10.00 10.00 10.00	₹₹	314.35 592.60 724.70	₹₹₹	3,143.50 - 5,926.00
13.01 a b 13.02 a b c 13.03	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 100 mm diameter S.W. pipe 150 mm diameter S.W. pipe 250 mm diameter S.W./ RCC pipe Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm 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 : 100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class	M M M	10.00 10.00 10.00 0.00	₹₹₹	592.60 724.70 977.00	₹₹₹₹	3,143.50 - 5,926.00 7,247.00 -
13.01 a b 13.02 a b c	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 100 mm diameter S.W. pipe 150 mm diameter S.W. pipe 250 mm diameter S.W. PCC pipe Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm 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 : 100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	M M M	10.00 10.00 10.00	₹₹	314.35 592.60 724.70	₹₹₹₹	3,143.50 - 5,926.00
13.01 a b 13.02 a b c 13.03	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 100 mm diameter S.W. pipe 150 mm diameter S.W. pipe 250 mm diameter S.W. pipe Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm 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 : 100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 Providing and laying non-pressure NP2 class (light duty) R.C.C.	M M M	10.00 10.00 10.00 0.00	₹₹₹	592.60 724.70 977.00	₹₹₹₹	3,143.50 - 5,926.00 7,247.00 -
13.01 a b 13.02 a b c 13.03	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 100 mm diameter S.W. pipe 150 mm diameter S.W. pipe 250 mm diameter S.W. pipe Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm 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 : 100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the	M M M	10.00 10.00 10.00 0.00	₹₹₹	592.60 724.70 977.00	₹₹₹₹₹	3,143.50 - 5,926.00 7,247.00 -
13.01 a b 13.02 a b c 13.03	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 100 mm diameter S.W. pipe 150 mm diameter S.W. pipe 250 mm diameter S.W. pipe 250 mm diameter S.W./ RCC pipe Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm 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 : 100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 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	M M M	10.00 10.00 10.00 0.00	₹₹₹	592.60 724.70 977.00	₹₹₹₹	3,143.50 - 5,926.00 7,247.00 -
13.01 a b 13.02 a b c 13.03	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter 150 mm diameter Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 100 mm diameter S.W. pipe 150 mm diameter S.W. pipe 250 mm diameter S.W. pipe Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm 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 : 100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the	M M M	10.00 10.00 10.00 0.00	₹₹₹	592.60 724.70 977.00	₹ ₹ ₹ ₹	3,143.50 - 5,926.00 7,247.00 -

13.05	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:					₹	-
а	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):					₹	-
i	With common burnt clay F.P.S. (non modular) bricks of class	Each	3.00	₹	8,507.00	₹	25,521.00
13.06	designation 7.5 Extra for depth for manholes					₹	-
	Size 90x80 cm					₹	-
i	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	М	0.30	₹	5,638.20	₹	1,691.46
13.07	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS: 10910 on 12mm dia steel bar conforming to IS: 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) complete as per design.	Each	6.60	₹	311.60	₹	2,056.56
				•			
	TOTAL OF DRAINAGE CARRIED OVER TO SUMMARY					₹	54,276.52
14.0	WATER PROOFING WORK						
14.01	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs						

iii iv	Illrd course of applying blown or residual bitumen applied hot at 1.7 Kg. per sqm of area. IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/sqm.)	Sqm	40.62	₹	522.90	₹	21,240.20
ii	Ilnd course of 20mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.						
i	Ist course of applying cement slurry @ 4.4 Kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.						
14.02	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of :						
a	c) After two days of proper curing applying a second coat of cement slurry using 2.75kg/ sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge. d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement: 4 coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3mm deep. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge: With average thickness of 120mm and minimum thickness at khurra as 65 mm.	Sqm	154.66	₹	1,019.05	₹	1,57,611.16

Staff Quarter Type V NARAYANPUR

SUMMARY OF COST

SI. No.	Sub head		Total Amount
1	EARTH WORK	₹	91,368.91
2	CONCRETE WORK	₹	1,57,419.38
3	REINFORCED CEMENT CONCRETE	₹	11,07,653.63
4	BRICK WORK	₹	3,95,993.16
5	WOOD WORK	₹	2,30,980.65
6	STEEL WORK	₹	3,59,530.30
7	FLOORING	₹	2,33,922.86
8	ROOFING WORK	₹	24,609.83
9	FINISHING	₹	4,53,134.00
10	MISCELLANEOUS CIVIL WORKS	₹	2,655.00
11	SANITARY FIXING	₹	1,97,819.34
12	WATER SUPPLY	₹	1,03,103.20
13	DRAINAGE	₹	93,713.52
11	WATER PROOFING WORK	₹	2,15,065.41
	GRAND TOTAL	₹	36,66,969.17
	Electrical	₹	3,94,960.00
	Total	₹	40,61,929.17

Proposed Kendriya Vidyala Narayanpur

Estimate Staff Quarter Type V

ITEM NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE ((RS)	AMOU	INT (RS)
1.0	EARTH WORK						
1.01	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.						
а	All kinds of soil.	Cum		₹	157.50	₹	-
1.02	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m.					₹	-
	Ordinary rock	Cum	162.66	₹	263.50	₹	42,859.80
	Hard rock (requiring blasting)	Cum		₹	454.35		-
	Hard rock (blasting prohibited)	Cum		₹	620.55	₹	-
1.02	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:					₹	-
а	All kinds of soil					₹	-
i	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	M		₹	165.60	₹	-
	Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth up to 1.5 m, including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layers by ramming, watering etc., stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50m:					₹	-
	Ordinary rock :					₹	-
	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia.	Cum	30.00	₹	450.30	₹	13,509.00
	Hard rock (blasting prohibited)					₹	-
	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia.	Cum		₹	676.25		-
						₹	-
	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia.	Cum		₹	870.70	₹	-
1.04	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	123.32	₹	112.40	₹	13,860.88

	Extra for every additional lift of 1.5 m or part thereof in	1					
1.03	Extra for every additional lift of 1.5 m or part thereof in excavation /banking excavated or stacked materials.					₹	-
а	All kinds of soil.	Cum		₹	46.00	₹	
	Ordinary or hard rock.	Cum		₹	83.00	₹	-
1.05	Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	-	₹	910.25	₹	-
1.06	Supplying chemical emulsion in sealed containers including delivery as specified.					₹	-
а	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	Ltr	27.45	₹	185.95	₹	5,104.33
1.07	Diluting and injecting chemical emulsion for POST- CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion):					₹	-
а	Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.					₹	-
i	With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration.	Sqm	56.25	₹	22.70	₹	1,276.88
b	Treatment at points of contact of wood work by chemical emulsion Chlorpyriphos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	Mtr	27.45	₹	200.70	₹	5,509.22
1.07	Diluting and injecting chemical emulsion (to be supplied free of cost at site of work) for pre-constructional anti-termite treatment and creating a continuous chemical barrier under and around the columns pits, wall trenches, top surface of plinth filling					₹	-
а	Chlorophyriphos (20% E.C.)	Sqm	123.32	₹	75.00	₹	9,248.81
0.0	TOTAL EARTH WORK CARRIED OVER TO SUMMARY					₹	91,368.91
2.0	CONCRETE WORK Providing and laying in position cement concrete of specified						
2.01	grade excluding the cost of centering and shuttering - All work up to plinth level :						
а	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	Cum	13.06	₹	4,301.15	₹	56,157.41
b	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	Cum	17.23	₹	4,004.00	₹	69,002.11
2.02	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor,etc., up to floor five level, excluding the cost of centering, shuttering and finishing:					₹	-
а	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum		₹	6,450.00	₹	-
2.03	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).	Sqm	22.32	₹	257.80	₹	5,755.08
2.04	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil	Sam	22.32	₹	132.00	₹	2,946.74
						₹	-
2.04	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	Per bag of 50 Kg of cement used in the mix	5.71	₹	48.00	₹	274.31

2.05	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement :3 coarse sand : 6 graded 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	Sqm	55.53	₹	419.30	₹	23,283.73
	TOTAL OF CONCRETE WORK CARRIED OVER TO SUMMARY					₹	1,57,419.38
3.0	REINFORCED CEMENT CONCRETE						
3.0	REINI ORGED GEMENT GONGRETE						
3.01	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 and 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.						
	(Note :- Cement content considered in this item is @ 330						
	kg/cum. Excess/less cement used as per design mix is						
a	payable/recoverable separately). All work upto plinth level.	Cum	18.69	₹	6,296.15	₹	1,17,698.78
b	All work from plinth level upto floor V level.	Cum	41.88		7,014.55	₹	2,93,734.46
3.02	Centering and shuttering including strutting, propping etc. and removal of form for :				·	₹	-
а	Foundations, footings, bases of columns, etc. for mass concrete.	Sqm	11.40	₹	196.45	₹	2,239.53
b	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	Sqm		₹	360.80	₹	-
С	Suspended floors, roofs, landings, balconies and access platform.	Sqm	204.90	₹	401.65	₹	82,298.79
d	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	Sqm	310.12		332.15		1,03,006.14
е	Columns, Pillars, Piers, Abutments, Posts and Struts.	Sqm	121.22		453.35		54,955.09
f	Stairs, (excluding landings) except spiral-staircases. Steel reinforcement for R.C.C. work including straightening,	Sqm	-	₹	395.65	₹	-
3.03	cutting, bending, placing in position and binding all complete upto plinth level.					₹	-
а	Thermo-Mechanically Treated bars.	Kg.	2,056.31	₹	68.10	₹	1,40,035.03
3.04	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.					₹	-
а	Thermo-Mechanically Treated bars.	Kg.	4,606.25	₹	68.10	₹	3,13,685.81
	TOTAL OF R.C.C. WORK CARRIED OVER TO SUMMARY					₹	11,07,653.63
				1			
4.0	BRICK WORK						
4.01	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:						
а	Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	7.59	₹	4,677.25	₹	35,492.08
4.02	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :					₹	-
а	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	43.53	₹	5,426.15	₹	2,36,212.95
4.03	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.					₹	-

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а	Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	169.03	₹	665.80	₹	1,12,540.51
4.04	Extra for providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third course of half brick masonry.	Sqm	169.03	₹	69.50	₹	11,747.62
	TOTAL OF BRICK WORK CARRIED OVER TO SUMMARY					₹	3,95,993.16
5.0	WOOD WORK						
5.01	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:						
а	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	Sqm	65.88	₹	1,909.55	₹	1,25,801.15
5.02	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door shutter to be measured)	Sqm	65.88	₹	365.85	₹	24,102.20
5.03	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.					₹	<u> </u>
а	Fixed to steel windows by welding.	Kg	673.20	₹	109.00	₹	73,378.80
5.04	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete :					₹	-
а	300x16 mm	Each	19.00	₹	173.00	₹	3,287.00
5.05	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :					₹	-
а	250 x 10mm	Each	19.00		67.00	₹	1,273.00
b	150 x 10mm	Each	19.00	₹	46.00	₹	874.00
5.06	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete :					₹	-
а	125 mm	Each	38.00	₹	29.00	₹	1,102.00
5.07	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.					₹	-
а	Single rubber stopper.	Each	31.00	₹	37.50	₹	1,162.50
	TOTAL OF WOOD WORK CARRIED OVER TO SUMMARY					₹	2,30,980.65
0.0	OTES! WORK						
6.0 6.01	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators side /top /centre hung with beading and all members such as F7D, F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design (sectional weight of only steel members shall be measured for payment).						
а	Fixing with 15x3 mm lugs 10 cm. long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	Kg	1,346.40	₹	191.90	₹	2,58,374.16

	<u>, </u>						
6.02	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.					₹	-
а	Fixing with 15x3 mm lugs 10 cm. long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	Kg	480.48	₹	83.70	₹	40,215.76
6.03	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.					₹	-
а	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	352.67	₹	90.10	₹	31,775.39
6.04	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.					₹	-
а	M.S. tube.	Kg	183.34	₹	104.70	₹	19,195.97
6.05	Extra for providing and fixing steel beading of size 10 x 10 x 1.6 mm (box type) approved shape and section with screws instead of glazing clips and metal sash putty in steel doors, windows, ventilators and composite units.	Metre	258.60	₹	38.55	₹	9,969.03
	TOTAL OF STEEL WORK CARRIED OVER TO SUMMARY					₹	3,59,530.30
7.0	FLOORING						
7.01	40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 12mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7mm to 10mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume including cement slurry etc. complete :						
а	Ordinary cement without any pigment	Sqm	177.51	₹	590.10	₹	1,04,747.44
7.02	Marble chips skirting (up to 30 cm height) rubbed and polished to granolithic finish, top layer 6 mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4 mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume :	,				₹	-
а	18 mm thick with under layer 12 mm thick in cement plaster 1:3 (1 cement : 3 coarse sand) :					₹	-
i	Ordinary cement without any pigment	Sqm	11.63	₹	787.75	₹	9,165.08
7.03	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) :	ОЧШ	11.00		101.13	₹	-
а	25 mm thick	Sqm	5.13	₹	1,141.40	₹	5,855.38

7.04	Providing and fixing lst 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 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm	97.11	₹	836.65	₹	81,247.08
7.05	Providing and fixing glass strips in joints of terrazo/ cement					₹	_
	concrete floors. 40 mm wide and 4 mm thick.	Metre	657.50	₹	50.05	₹	32,907.88
а	40 mm wide and 4 mm tillok.	Metre	037.30	(50.05	_	32,907.00
	TOTAL OF FLOORING CARRIED OVER TO SUMMARY					₹	2,33,922.86
8.0	ROOFING WORK						
8.01	Providing corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to 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.						
а	1.00mm thick with zinc coating not less than 275gm/m²	Sqm		₹	1,030.50	₹	-
8.02	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J. or L hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete.					₹	-
а	0.80mm thick with zinc coating not less than 275gm/m ²	М		₹	568.90	₹	-
8.03	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :					₹	-
а	In 75x75mm deep chase	М	72.25	₹	143.10	₹	10,338.98
8.04	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	Each	6.00	₹	186.65	₹	1,119.90
8.05	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.					₹	-
а	110 mm diameter	М	18.00	₹	231.65	₹	4,169.70
8.06	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.					₹	
а	Single pushfit Coupler :					₹	-
i	110 mm	Each	8.00	₹	173.00	₹	1,384.00
b i	Single tee with door 110x110x110 mm	Each	5.00	₹	306.60	₹	1,533.00
C	Bend 87.5°	Luon	3.00	`	000.00	₹	
i	110 mm	Each	5.00	₹	161.55	₹	807.75
d	Shoe (Plain)					₹	-

i	110 mm Shoe	Each	5.00	₹	295.10	₹	1,475.50
8.07	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm 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 wall etc. complete.					₹	-
а	110 mm	Each	20.00	₹	189.05	₹	3,781.00
8.08	Providing and filling sinders in sunken slabs including light ramming.	Cum	-	₹	1,400.00	₹	-
	TOTAL OF ROOFING CARRIED OVER TO SUMMARY					₹	24,609.83
	FINIOUNIO					₹	-
9.0 9.01	FINISHING 12 mm cement plaster of mix :						
a a	1:6 (1 cement : 6 fine sand)	Sqm	301.12	₹	149.45	₹	45,002.50
9.02	15 mm cement plaster on the rough side of single or half brick wall of mix :					₹	-
а	1:6 (1 cement : 6 fine sand)	Sqm	451.68	₹	172.80	₹	78,050.51
9.03	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) finished with a top layer 6mm thick cement plaster 1:6 (1 cement: 6 fine sand).	Sqm	658.17	₹	241.00	₹	1,58,618.97
9.04	6mm cement plaster of mix:		222.22	_	101-0	₹	-
9.05	1:3 (1 cement : 3 fine sand) Applying priming coat :	Sqm	303.69	₹	134.70	₹	40,907.64
a a	With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	Sqm	274.46	₹	32.95	₹	9,043.59
9.06	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					₹	-
а	Two or more coats on new work	Sqm	67.50	₹	74.40	₹	5,022.30
9.07	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:					₹	-
а	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	Sqm	274.46	₹	106.25	₹	29,161.80
9.08	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification.					₹	-
а	Two or more coats on new work.	Sqm	972.39	₹	50.65	₹	49,251.55
9.09	Finishing walls with water proofing cement paint of required shade :					₹	-
а	New work (Two or more coats applied @ 3.84 kg/10 sqm).	Sqm	658.17	₹	57.85	₹	38,075.13
	TOTAL OF FINISHING CARRIED OVER TO SUMMARY					₹	4,53,134.00
10.0	MISCELLANEOUS CIVIL WORKS						
10.01	Brick edging laid lengthwise with half brick depth including excavation, refilling and disposal of surplus earth lead upto 50 metres:						
а	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Metre	75.00	₹	35.40	₹	2,655.00
	TOTAL OF MISCELLANEOUS CIVIL WORK CARRIED OVER TO SUMMARY					₹	2,655.00
	SANITARRY FITTINFGS						

10.02	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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:						
а	White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.	Each	4.00	₹	3,392.80	₹	13,571.20
10.03	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:					₹	-
а	White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap.	Each	4.00	₹	1,807.10	₹	7,228.40
10.04	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:					₹	-
а	Kitchen sink without drain board					₹	-
i	610x510 mm bowl depth 200 mm.	Each	2.00	₹	4,343.45	₹	8,686.90
10.05	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.					₹	-
a ·	Semi rigid pipe		0.00	~	70.75	₹	450.50
ii	32 mm dia 40 mm dia	Each Each	2.00 2.00		76.75 82.60	₹	153.50 165.20
	Providing and fixing 100 mm sand cast Iron grating for gully	Eacii			02.00		100.20
10.06	trap.	Each	12.00	₹	29.50	₹	354.00
10.07	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.	Each	4.00	₹	793.95	₹	3,175.80
10.08	Providing and fixing soil, waste and vent pipes:					₹	-
а	100 mm dia.					₹	-
i	Centrifugally cast (spun) iron socketed pipe as per IS: 3989.	М	37.60	₹	917.75	₹	34,507.40
b	75 mm diameter					₹	-
i	Centrifugally cast (spun) iron socketed pipe as per IS: 3989.	М	69.60	₹	791.30	₹	55,074.48
10.09	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc. :					₹	-
a	For 100 mm dia. pipe	Each	8.00		152.90	₹	1,223.20
b	For 75 mm dia. pipe	Each	8.00	₹	150.60	₹	1,204.80
10.10	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.					₹	-
а	100 mm dia.					₹	
i	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	385.70	₹	1,542.80
b ·	75 mm diameter			-	A 12 = -	₹	
i 40.44	Sand cast iron S&S as per IS - 3989	Each	12.00	₹	318.50	₹	3,822.00
10.11	Providing and fixing plain bend of required degree. 100 mm dia.					₹	-
a i	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	335.75	₹	1,343.00
b	75 mm diameter	LUUII	4.00	`	000.10	₹	1,040.00
i	Sand cast iron S&S as per IS - 3989	Each	12.00	₹	248.80	₹	2,985.60
10.12	Providing and fixing heel rest sanitary bend					₹	
а	100 mm dia.					₹	-

i	Sand cast iron S&S as per IS - 3989	Each	2.00	₹	371.75	₹	743.50
b	75 mm diameter					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	2.00	₹	312.70	₹	625.40
10.13	Providing and fixing double equal plain junction of required					₹	-
a	degree. 75x75x75mm					₹	
i	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	558.90	₹	2,235.60
10.11	Providing and fixing single equal plain junction of required	Lucii	1.00		000.00		2,200.00
10.14	degree :					₹	-
а	100x100x100mm					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	623.80	₹	2,495.20
b	75x75x75mm					₹	
10.45	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	472.95	₹	1,891.80
10.15	Providing and fixing terminal guard: 100 mm					₹	-
<u>a</u> i	Sand cast iron S&S as per IS - 3989	Each	2.00	₹	434.50	₹	869.00
b	75 mm	Lacii	2.00		434.30	₹	
i	Sand cast iron S&S as per IS - 3989	Each	2.00	₹	370.75	₹	741.50
10.16	Providing and fixing collar:					₹	-
а	100 mm					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	4.00	₹	318.35	₹	1,273.40
b	75 mm					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	12.00	₹	219.75	₹	2,637.00
10.17	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter:					₹	-
а	100 mm	Each	48.00	₹	243.75	₹	11,700.00
b	75 mm	Each	112.00		205.30	₹	22,993.60
10.18	Providing and fixing M.S. stays and clamps for sand cast iron/centrifugally cast (spun) iron pipes of diameter :					₹	-
а	100 mm	Each	2.00	₹	68.60	₹	137.20
b	75 mm	Each	2.00		57.15	₹	114.30
10.19	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors:					₹	-
а	100 mm inlet and 100 mm outlet					₹	-
i	Sand cast iron S&S as per IS - 3989	Each	12.00	₹	982.55	₹	11,790.60
10.20	Cutting chases in brick masonry walls for following diameter sand cast iron/ centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 12.5 mm nominal size) including necessary plaster and pointing in cement mortar 1:4 (1 cement: 4 coarse sand):					₹	-
а	100 mm dia	М	0.92	₹	332.00	₹	305.44
b	75 mm dia	М	2.76	₹	237.60	₹	655.78
10.21	Painting sand cast iron/ centrifugally cast (spun) iron soil, waste vent pipes and fittings with two coats of synthetic enamel paint of any colour such as chocolate grey, or buff etc. over a coat of primer (of approved quality) for new work:					₹	-
а	100 mm diameter pipe	М	19.60	₹	38.65	₹	757.54
b	75 mm diameter pipe	М	27.60	₹	29.50	₹	814.20
	TOTAL OF SANITARRY FITTINFGS CARRIED OVER TO SUMMARY					₹	1,97,819.34
12.0	WATER SUPPLY						
12.01	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.						
а	IIIItemai work − Exposeu on wali.						

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i	20 mm dia. nominal bore	M	80.00	₹	249.30	₹	19,944.00
	Providing and fixing G.I. Pipes complete with G.I. fittings and						
12.02	clamps i/c making good the walls etc. concealed pipe including					₹	
12.02	painting with anti corrosive bitumastic paint, cutting chases					`	-
	and making good the wall						
i	15 mm dia nominal bore	М	120.00	₹	306.05	₹	36,726.00
40.00	Providing and fixing G.I. pipes complete with G.I. fittings						
12.03	including trenching and refilling etc.					₹	-
	External work					₹	-
а	40mm dia. nominal bore	М	50.00	₹	334.15	₹	16,707.50
	Making connection of G.I. distribution branch with G.I. main of						
12.04	following sizes by providing and fixing tee, including cutting					₹	-
	and threading the pipe etc. complete		4.00	~	007.75	7	007.75
а	25 to 40 mm nominal bore	Each	1.00	₹	367.75	₹	367.75
12.05	Providing and fixing brass bib cock of approved quality:					₹	-
а	15 mm nominal bore	Each	20.00	₹	260.60	₹	5,212.00
		Lacii	20.00	`	200.00		5,212.00
12.06	Providing and fixing brass stop cock of approved quality:					₹	-
а	15 mm nominal bore	Each	16.00	₹	260.60	₹	4,169.60
12.07	Providing and fixing gun metal gate valve with C.I. wheel of					₹	
12.07	approved quality (screwed end) :						
а	25 mm nominal bore	Each	1.00	₹	428.85	₹	428.85
40.00	Providing and fixing ball valve (brass) of approved quality,					_	
12.08	High or low pressure, with plastic floats complete :					₹	-
	15 mm nominal bore	Each	4.00	3	200 50	₹	1 154 00
а	Painting G.I. pipes and fittings with synthetic enamel white	Each	4.00	Υ	288.50	ζ.	1,154.00
12.09	paint with two coats over a ready mixed priming coat, both of					₹	_
12.00	approved quality for new work :					`	
а	20 mm diameter pipe.	М	80.00	₹	11.35	₹	908.00
b	25 mm diameter pipe.	М	0.00		14.95	₹	-
12.10	Providing and filling sand of grading zone V or coarser grade					₹	
12.10	all-round the G.I. pipes in external work.					'	
а	40 mm dia. pipe.	M	50.00	₹	71.75	₹	3,587.50
40.44	Providing and fixing G.I. Union in G.I. pipe including cutting					~	
12.11	and threading the pipe and making long screws etc. complete					₹	-
	(New work) 15 mm nominal bore.	Ch	10.00	-	405.05	x	0.044.00
a	20 mm nominal bore.	Each	16.00 4.00		165.25 188.50	₹	2,644.00 754.00
b	Providing and placing on terrace (at all floor levels)	Each	4.00	τ	100.30	<	754.00
	polyethylene water storage tank ISI: 12701 marked with cover						
12.12	and suitable locking arrangement and making necessary holes	Per Litre	2000.00	₹	5.25	₹	10,500.00
12.12	for inlet, outlet and overflow pipes but without fittings and the	1 OI LIUO	2000.00	`	0.20	`	10,000.00
	base support for tank						
	TOTAL OF WATER SUPPLY CARRIED OVER TO					₹	1,03,103.20
	SUMMARY					`	1,00,100.20
40.0	DDAINAGE						
13.0	DRAINAGE						
	Providing, laying and jointing glazed stoneware pipes class SP						
13.01	1 with stiff mixture of cement mortar in the proportion of 1:1 (1						
	cement : 1 fine sand) including testing of joints etc. complete :						
а	100 mm diameter	М	10.00		206.55	₹	2,065.50
b	150 mm diameter	М	10.00	₹	314.35	₹	3,143.50
	Providing and laying cement concrete 1:5:10 (1 cement : 5						
13.02	coarse sand : 10 graded stone aggregate 40 mm nominal size)					₹	-
	all-round S.W. pipes including bed concrete as per standard						
а	design: 100 mm diameter S.W. pipe	M	10.00	₹	592.60	₹	5,926.00
b	150 mm diameter S.W. pipe	M	50.00		724.70	₹	36,235.00
C	250 mm diameter S.W./ RCC pipe	M	0.00		977.00	₹	-

Designation 1.5 Signature			1					
With common burnt day F.P.S. (non modular) bricks of class designation 7.5 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 few sand)	13.03	complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not					₹	-
With common burnt day F.P.S. (non modular) bricks of class Each 2.00 ₹ 1,571.25 ₹ 3,142	а	100x100 mm size P type					₹	_
R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 12 (1 cement; 2 cin sand) mixtured in the proportion of 12 (1 cement; 2 cin sand) mixtured prick masonry manhole in cement mortar 1:4 (.1 cement; 4 coarse sand) with R.C.C. top slab with 1:24 mix (1 cement; 4 coarse sand) with R.C.C. top slab with 1:24 mix (1 cement; 2 coarse sand; 4 graded stone aggregate 20 mm nominal size), fundation concrete 1:42 mix (1 cement; 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:24 (1 cement; 3 coarse sand) finished with floating coat of neat cement cand making channels in cement concrete 1:24 (1 cement; 2 coarse sand; 4 graded stone aggregate 20 mm nominal size) funished with a floating coat of neat cement complete as per standard design; Inside size 90x80 cm and 45 cm deep including C.1. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less han 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 13.06 Extra for depth for manholes Size 90x80 cm With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS: 10910 on 12mm clas steel bar conforming to IS: 17x6 having minimum cross section as 23 mmx/25mm and over all minimum length 283 mm and width as 165mm with minimum 112 mm space between protrude legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring robbing or minimum 12 mm space between protrude legs having 2 mm tread on 138 mm as per standard drawing and sutable to with stand the bend lest and chemical resistance lest as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20 th some ment concrete block 1:3.6 (1 cement : 3 coarse sand : 6 graded stone		With common burnt clay F.P.S. (non modular) bricks of class	Each	2.00	₹	1,571.25	₹	3,142.50
Constructing brick masonry manhole in cement mortar 1:4 (1 coment: 4 coarse sand) with R.C.2. top slab with 1:24 mix (1 coment: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4.8 mix (1 cement: 3 coarse sand: 6 graded stone aggregate 40mm nominal size), foundation concrete 1:4.8 mix (1 cement: 3 coarse sand: 6 graded stone aggregate 40mm nominal size), foundation concrete 1:24.1 cement: 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:24.1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design: Inside size 90x80 cm and 45 cm deep including C.L 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 22 kg and weight of frame 15 kg). With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 13.06 Extra for depth for manholes Size 90x80 cm With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS: 10910 on 12mm dia steel bar conforming to IS: 1786 having minimum cross section as 23 mmx25mm and over all minimum length 283 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and stuble to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing im manholes with 30x20x16 cm cement concrete block 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) complete as per design.	13.04	R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand)					₹	-
cement : 4 coarse sand) with R.C.C. top slab with 1:24 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), inundation concrete 1:4.8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size), incoment : 3 coarse sand) finished with floating coat of neat cement : 3 coarse sand) finished with floating coat of neat cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement comcrete 1:24 (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 : 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): i With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 13.06 Extra for depth for manholes Size 90x80 cm	а		М	40.00	₹	348.30	₹	13,932.00
a 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): i With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 13.06 Extra for depth for manholes Size 90x80 cm i With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS: 10910 on 12mm dia steel bar conforming to IS: 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) complete as per design.	13.05	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					₹	-
13.06 Extra for depth for manholes Each 3.00 ₹ 5,507.00 ₹ 25,521	а	frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of					₹	-
Size 90x80 cm With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910 on 12mm dia steel bar conforming to IS : 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design. ■ TOTAL OF DRAINAGE CARRIED OVER TO SUMMARY ▼ 93,713	i	, , ,	Each	3.00	₹	8,507.00	₹	25,521.00
i With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910 on 12mm dia steel bar conforming to IS : 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design. ■ TOTAL OF DRAINAGE CARRIED OVER TO SUMMARY ■ 1,691 ■ 1,691 ■ 1,691 ■ 6.60 ■ 311.60 ■ 2,056 ■ 311.60 ■ 2,056 ■ 311.60 ■ 2,056 ■ 311.60 ■ 2,056	13.06							-
Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910 on 12mm dia steel bar conforming to IS : 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design. TOTAL OF DRAINAGE CARRIED OVER TO SUMMARY ▼ 93,713							₹	-
thick plastic encapsulated as per IS : 10910 on 12mm dia steel bar conforming to IS : 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design. TOTAL OF DRAINAGE CARRIED OVER TO SUMMARY ▼ 93,713	i	· · · · · · · · · · · · · · · · · · ·	М	0.30	₹	5,638.20	₹	1,691.46
	13.07	thick plastic encapsulated as per IS: 10910 on 12mm dia steel bar conforming to IS: 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement: 3 coarse sand: 6 graded	Each	6.60	₹	311.60	₹	2,056.56
14.0 WATER PROOFING WORK		TOTAL OF DRAINAGE CARRIED OVER TO SUMMARY					₹	93,713.52
14.0 WATER PROOFING WORK								
	14.0	WATER PROOFING WORK						

Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of : Ist course of applying cement slurry @ 4.4 Kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. Illnd course of 20mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. Illrd course of applying blown or residual bitumen applied hot at 1.7 Kg. per sqm of area. IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/sqm.)								
cement slurry using 2.75kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1-4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3mm deep. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge : a With average thickness of 120mm and minimum thickness at knurra as 65 mm. Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of : Ist course of applying cement slurry @ 4.4 Kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. Illnd course of 20mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. Ill course of 20mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. Ill course of 20mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. Ill course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/sqm.)	14.01	treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of						
a khurra as 65 mm. Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of: Ist course of applying cement slurry @ 4.4 Kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. Ilnd course of 20mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. Illrd course of applying blown or residual bitumen applied hot at 1.7 Kg. per sqm of area. IVth course of 400 micron thick PVC sheet. (Overlaps at joints iv of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/sqm.) Sqm - ₹ 522.90 ₹		cement slurry using 2.75kg/ sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge. d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement: 4 coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3mm deep. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as						
horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of: Ist course of applying cement slurry @ 4.4 Kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. Illnd course of 20mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. Illrd course of applying blown or residual bitumen applied hot at 1.7 Kg. per sqm of area. IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/sqm.) ₹ 522.90 ₹	а	· ·	Sqm	211.05	₹	1,019.05	₹	2,15,065.41
Ist course of applying cement slurry @ 4.4 Kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. Illnd course of 20mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. Illrd course of applying blown or residual bitumen applied hot at 1.7 Kg. per sqm of area. IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/sqm.) \$\frac{1}{2}\$ \$\fra	14.02	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and						
sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. Illrd course of applying blown or residual bitumen applied hot at 1.7 Kg. per sqm of area. IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/sqm.) ▼ 522.90 ▼	i	Ist course of applying cement slurry @ 4.4 Kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.						
iii IIIrd course of applying blown or residual bitumen applied hot at 1.7 Kg. per sqm of area. IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/sqm.) ▼ 522.90	ii	sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and						
IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/sqm.) ■ Sqm - ₹ 522.90 ₹	iii	Illrd course of applying blown or residual bitumen applied hot						
	iv	IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each	Sqm	-	₹	522.90	₹	-
TOTAL OF WATER PROOFING WORK CARRIED OVER TO SUMMARY 2,15,		TOTAL OF WATER PROOFING WORK CARRIED OVER TO SUMMARY					₹	2,15,065.41

ABSTRACT

NAME OF THE WORK: CAMPUS DEVELOPMENT WORKS FOR K.V. NARAYANPUR

ITEM	NAME OF SUB HEAD		AMOUNT
1	Site Clearance		
а	Cleaning of Jungle (Leveling & Dressing of campus)	₹	1,60,500.00
b	Cutting & Filling	₹	12,61,038.00
	Total	₹	14,21,538.00
2	Internal Boods & Dathways		
	Internal Roads & Pathways Internal Roads	₹	17 25 270 00
<u>a</u> b		₹	17,35,379.00 5,37,803.00
	1.80 M wide pathways Total		22,73,182.00
	Total	•	22,73,102.00
3	Water Supply		
а	Filter Water Distribution Lines 100 mm dia & Below.	₹	7,66,463.48
b	Tube well Boring	₹	10,69,530.00
С	Chlorinator	₹	50,000.00
	Total	₹	18,85,993.48
4	Provision of External Electrical Works	₹	49,53,315.00
	Total	₹	49,53,315.00
5	Sewer Line with Septic Tank		
a	Sewer Line	₹	11,38,850.00
b	Septic Tank	₹	6,89,875.23
	Total		18,28,725.23
6	Storm Water Drains	₹	28,81,594.00
	Total	₹	28,81,594.00
7	Douglan well 9 Cates		
	Boundary wall & Gates Boundary wall	₹	99,54,033.00
a b	Gate (3 Nos.)	₹	2,05,422.00
- b	Total		1,01,59,455.00
	1933		.,,,
8	Cycle Stand	₹	4,35,451.00
	Total	₹	4,35,451.00
			4.00.700.00
9	Levelling & Dressing of Campus	₹	1,60,500.00
	Total	₹	1,60,500.00
10	Sports Facility	₹	10,49,023.55
10	Step Sitting	₹	10,22,458.86
	Total		20,71,482.41
11	Canteen & Security Hut		
а	Security Hut (2 Nos.)	₹	3,99,643.00

b	Canteen (1 Nos.)	₹	3,46,786.70
	Total	₹	7,46,429.70
12	Other Items		
а	Morning Assembly & Stage	₹	9,51,535.00
b	Rain Water Harvesting	₹	2,37,107.25
С	Under Ground Sump (2 Nos of 50 KL each)	₹	14,49,396.00
d	Submersible pump, control panel, cable for tubewell.	₹	1,27,600.00
е	Borewell	₹	1,56,500.00
f	Water trough	₹	1,72,759.00
g	Pomp House & Booster pumps	₹	3,69,503.75
	Total	₹	34,64,401.00
	Covering of Open Court Yard	₹	1,07,46,959.91
13	Total	₹	4,30,29,026.74
	SAY TOTAL	₹	4,30,29,027.00

Campus Development KV School Narayanpur

ABSTRACT OF COST

INTERNAL ROAD

Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm. 1 depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth lead upto 50 metres. 2 Supplying and stacking at site. a 63 mm to 45 mm size stone aggregate. 5 3 mm to 22.4 mm size stone aggregate. 5 53 mm to 22.4 mm size stone aggregate. 5 53 mm to 22.4 mm size stone aggregate. 6 Stone screening 11.2 mm nominal size (Type B). 7 Stone screening 11.2 mm nominal size (Type B). 9 Stone screening 11.2 mm nominal size (Type B). 9 Stone screening 11.2 mm nominal size (Type B). 1 Laying spreading and compacting stone aggregate of specified sizes to WBM specifications including spreading in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate watering and compacting to the required density. 2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm. and 52 kg, and 56 kg, of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm. and 52 kg, and 56 kg, of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm. and 52 kg, and 56 kg, of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm. and 52 kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm. and 52 kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm. and 52 kg and 56 kg of hot bitumen including onsolidation with road roller of 6 to 9 tonne capacity etc. complete, (tack coat to be paid for separately): Providing and laying at or near g	S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT		RATE		AMOUNT
a 63 mm to 45 mm size stone aggregate. b 53 mm to 22.4 mm size stone aggregate. c Stone screening 11.2 mm nominal size (Type B). d Red bajri Laying spreading and compacting stone aggregate of specified sizes to WBM specifications including spreading in uniform thickness, hand picking , rolling with 3 wheeled road / vibratory roller 8-10 tonne in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate watering and compacting to the required density . 2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm. and 52 kg. and 56 kg. of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen including consolidation with road roller of 6 to 9 tonne capacity etc. complete. (tack coat to be paid for separately): a With paving Asphalt 80/100 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt. Providing and laying at or near ground level factory made kerb stone of M-25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per		to 12 tonne capacity after excavating earth to an average of 22.5 cm. depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub	1652.33	Sqm	₹	81.30	₹	1,34,334.43
a 63 mm to 45 mm size stone aggregate. b 53 mm to 22.4 mm size stone aggregate. c Stone screening 11.2 mm nominal size (Type B). d Red bajri Laying spreading and compacting stone aggregate of specified sizes to WBM specifications including spreading in uniform thickness, hand picking , rolling with 3 wheeled road / vibratory roller 8-10 tonne in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate watering and compacting to the required density . 2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm. and 52 kg. and 56 kg. of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen including consolidation with road roller of 6 to 9 tonne capacity etc. complete. (tack coat to be paid for separately): a With paving Asphalt 80/100 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt. Providing and laying at or near ground level factory made kerb stone of M-25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of 5 joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per	2	Supplying and stacking at site.						
b 53 mm to 22.4 mm size stone aggregate. c Stone screening 11.2 mm nominal size (Type B). d Red bajri Laying spreading and compacting stone aggregate of specified sizes to WBM specifications including spreading in uniform thickness, hand picking , rolling with 3 wheeled road / vibratory roller 8-10 tonne in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate watering and compacting to the required density . 2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm. and 52 kg. and 56 kg. of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen including consolidation with road roller of 6 to 9 tonne capacity etc. complete. (tack coat to be paid for separately): With paving Asphalt 80/100 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt. Providing and laying at or near ground level factory made kerb stone of M-25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per			300.72	Cum	₹	1,348.20	₹	4,05,436.18
c Stone screening 11.2 mm nominal size (Type B). d Red bajri Laying spreading and compacting stone aggregate of specified sizes to WBM specifications including spreading in uniform thickness, hand picking , rolling with 3 wheeled road / vibratory roller 8-10 tonne in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate watering and compacting to the required density . 2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm. and 52 kg. and 56 kg. of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen including consolidation with road roller of 6 to 9 tonne capacity etc. complete. (tack coat to be paid for separately): With paving Asphalt 80/100 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt. Providing and laying at or near ground level factory made kerb stone of M-25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per								
d Red bajri	b	53 mm to 22.4 mm size stone aggregate.	150.36	Cum	₹	1,354.00	₹	2,03,590.19
Laying spreading and compacting stone aggregate of specified sizes to WBM specifications including spreading in uniform thickness, hand picking rolling with 3 wheeled road / vibratory roller 8-10 tonne in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate watering and compacting to the required density . 2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2mm and 11.2mm size respectively per 100 sqm. and 52 kg. and 56 kg. of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen including consolidation with road roller of 6 to 9 tonne capacity etc. complete. (tack coat to be paid for separately): With paving Asphalt 80/100 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt. Providing and laying at or near ground level factory made kerb stone of M-25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per	С	Stone screening 11.2 mm nominal size (Type B).	95.84	Cum	₹	1,471.00	₹	1,40,973.49
to WBM specifications including spreading in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate watering and compacting to the required density. 2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2mm and 11.2mm size respectively per 100 sqm. and 52 kg. and 56 kg. of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen including consolidation with road roller of 6 to 9 tonne capacity etc. complete. (tack coat to be paid for separately): a With paving Asphalt 80/100 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt. Providing and laying at or near ground level factory made kerb stone of M-25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per	d	Red bajri	51.22	Cum	₹	1,459.40	₹	74,753.72
stone chippings of 13.2mm and 11.2mm size respectively per 100 sqm. and 52 kg. and 56 kg. of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen including consolidation with road roller of 6 to 9 tonne capacity etc. complete. (tack coat to be paid for separately): a With paving Asphalt 80/100 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt. Providing and laying at or near ground level factory made kerb stone of M-25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per	3	to WBM specifications including spreading in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of	371.77	Cum	₹	425.05	₹	1,58,022.64
a rate of 70 grams per kg of asphalt. Providing and laying at or near ground level factory made kerb stone of M-25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per	4	stone chippings of 13.2mm and 11.2mm size respectively per 100 sqm. and 52 kg. and 56 kg. of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen including consolidation with road roller of 6 to						
M-25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per	а	. •	1652.33	Sqm	₹	211.60	₹	3,49,633.03
direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	5	M-25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by	50.73	Cum	₹	5,295.90	₹	2,68,635.59
TOTAL 5						TOTAL	=	17 25 270 00
IOIAL			1			IUIAL	₹	17,35,379.00
1.80 M WIDE PATHWAYS		1.80 M WIDE PATHW	AYS		1			
ADOTE LOT OF COOP			O.T.					
ABSTRACT OF COST		ABSTRACT OF CO	SI					

S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT		RATE		AMOUNT
1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm. depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth lead upto 50 metres.	493.00	Sqm	₹	81.30	₹	40,080.90
	Supplying and stacking at site.	45.00		_	4.054.00	~	00 000 00
	53 mm to 22.4 mm size stone aggregate.	45.00	Cum	₹	1,354.00		60,930.00
b	Stone screenings 11.2 mm. nominal size (Type B)	9.00	Cum	₹	1,471.00	₹	13,239.00
С	Moorum	4.44	Cum	₹	646.35	₹	2,867.85
3	Laying spreading and compacting stone aggregate of specified sizes to WBM specifications including spreading in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate watering and compacting to the required density.	36.98	Cum	₹	425.05	₹	15,716.22
4	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction and of approved size and design/ shape laid in required colour and pattern over and including 50mm thick compacted bed of course sand, filling the joints with coarse sand etc. all complete as per the direction of Engineer-incharge.	383.44	Sqm	₹	602.20	₹	2,30,910.24
5	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	32.87	Cum	₹	5,295.90	₹	1,74,058.58
				<u> </u>	TOTAL	₹	5,37,803.00
	GATE'S						
	ABSTRACT OF CO	ęт					
	ADSTRACT OF CO	01					
S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT		RATE		AMOUNT
1	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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.						

2	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level.						
а	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size).	9.00	Cum	₹	5,335.25	₹	48,017.25
3	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.						
а	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1700.00	Kg	₹	90.10	₹	1,53,170.00
4	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :						
а	Two or more coats on new work	35.00	Sqm	₹	80.50	₹	2,817.50
			Total (Cost o	f 2 no. Gate	₹	2,05,422.00
			To	otal Co	ost of Gates	₹	2,05,422.00
	Drain of size 0.30 M wide, 0	0.45 M high					
	ABSTRACT OF CO	NST.					
	ABSTRACTOR						
S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT		RATE		AMOUNT
							_
1	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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.						
а	All kinds of soil.	851.28	Cum	₹	157.50	₹	1,34,076.60
							, , , , , , , , , , , , , , , , , , , ,
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	170.26	Cum	₹	112.40	₹	19,136.77
3	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level.						
а	1:5:10 (1 Cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	113.50	Cum	₹	4,004.00	₹	4,54,470.02
4	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in :						
а	Cement Mortar 1:6 (1cement : 6 coarse sand)	339.38	Cum	₹	4,677.25	₹	15,87,350.89
5	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.						
а	40mm thick with 20mm nominal size stone aggregate.	340.51	Sqm	₹	353.35	₹	1,20,319.92
6	20mm cement plaster finished with a floating coat of neat cement of mix:						
а	1:4 (1 cement : 4 fine sand)	1997.67	Sqm	₹	283.45	₹	5,66,239.67
		· · · · · · · · · · · · · · · · · · ·			Total		28,81,594.00
	WATER SUPPLY SYS	STEM		·			

S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT		RATE		AMOUNT
1	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. : External work						
i	External work 32mm dia. nominal bore	250.00	M	₹	281.05	₹	70,262.50
ii	40 mm dia. nominal bore	400.00	М	₹	334.15	₹	1,33,660.00
iii	50mm dia. nominal bore	100.00	М	₹	399.50	₹	39,950.00
2	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete:						
а	50 to 80 mm nominal bore	1.00	Each	₹	761.10	₹	761.10
3	Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality:						
i	32mm dia. nominal bore	250.00	М	₹	10.40	₹	2,600.00
ii	40 mm diameter pipe	400.00	M	₹	11.85	₹	4,740.00
iii	50mm dia. nominal bore	100.00	М	₹	14.15	₹	1,415.00
4	Providing and filling sand of grading zone V or coarser grade all- round the G.l. pipes in external work.						
i	32mm dia. nominal bore	250.00	M	₹	70.85	₹	17,712.50
ii	40 mm diameter pipe	400.00	М	₹	71.75	₹	28,700.00
iii	50mm dia. nominal bore	100.00	М	₹	74.45	₹	7,445.00
				<u> </u>	Total	₹	3,07,246.10
	Add 3% for fittings					₹	9,217.38 3,16,463.48
_		50000.00	1.9	-	0.00		
5	Cost of C/o 50000 Ltr U.G.Tank	50000.00	Litre	₹	9.00		4,50,000.00
	WATER TROUGH	1	Total G	rand		₹	7,66,463.48
S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT		RATE		AMOUNT
1	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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.						
а	All kinds of soil.	6.00	Cum	₹	157.50	₹	945.00
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	5.00	Cum	₹	112.40	₹	562.00
3	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level.						

а	1:5:10 (1 Cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	2.00	Cum	₹	4,004.00	₹	8,008.00
4	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :						
а	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	1.00	Cum	₹	6,230.20	₹	6,230.20
5	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with:						
а	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	0.50	cum	₹	7,282.50	₹	3,641.25
6	Centring and shuttering including strutting, propping etc. and removal of form for :						
а	Foundations, footings, bases of columns etc. for mass concrete.	2.00	Sqm	₹	196.45	₹	392.90
b	Suspended floors, roofs, landings, balconies and access platform.	4.00	Sqm	₹	401.65	₹	1,606.60
7	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level.						
а	Thermo-Mechanically Treated bars.	145.00	Kg	₹	68.10	₹	9,874.50
8	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in :						
а	Cement mortar 1:6 (1 cement: 6 coarse sand)	1.00	Cum	₹	4,677.25	₹	4,677.25
9	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in :						
а	Cement mortar 1:6 (1 cement : 6 coarse sand)	1.50	Cum	₹	5,426.15	₹	8,139.23
10	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).	1.00	Sqm	₹	257.80	₹	257.80
11	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil	7.00	Sqm	₹	132.00	₹	924.00
12	12 mm cement plaster of mix :	5.40	Sqm	₹	149.45	₹	807.03
а	1:6 (1 cement : 6 fine sand) Stone tile work for wall lining upto 10 m height with special adhesive						
13	over 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement with an admixture of pigment to match the stone shade.						
a i	8mm thick (mirror polished and machine cut edge) Raj Nagar plain white marble/ Udaipur green marble/ Zebra black marble.	5.40	Sqm	₹	1,486.90	₹	8,029.26
14	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.						
а	40mm thick with 20mm nominal size stone aggregate.	6.00	Sqm	₹	353.35	₹	2,120.10
1				<u> </u>			

15	Brick on edge flooring with bricks of class designation 75 including cement slurry etc. complete in cement mortar with F.P.S. bricks:						
а	1:6 (1cement : 6 coarse sand)	6.00	Sqm	₹	630.10	₹	3,780.60
16	Providing and fixing glass strips in joints of terrazo/ cement concrete floors.						
а	40 mm wide and 4 mm thick.	15.00	М	₹	50.05	₹	750.75
17	Steel work in built up tubular trusses including cutting, hoisting fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete.						
а	Electric resistance or induction butt welded tubes.	670.00	Kg	₹	123.65	₹	82,845.50
18	Providing non-asbestos high impact Polypropylene reinforced cement 6mm thick corrugated sheets (as per IS: 14871) roofing up to any pitch and fixing with polymer coated J, or L hooks, bolts and nuts 8mm dia. G.I. plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete excluding the cost of purlins, rafters and trusses: corrugated sheets and including cutting to size and shape wherever required.	25.00	Sqm	₹	396.10	₹	9,902.50
19	Finishing walls with water proofing cement paint of required shade :						
а	New work (Two or more coats applied @ 3.84 kg/10 sqm).	7.00	Sqm	₹	57.85	₹	404.95
20	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :						
а	Two or more coats on new work	25.00	Sqm	₹	74.40	₹	1,860.00
21	Cost for water supply				LS	₹	10,000.00
22	Cost for sanitation				LS	₹	2,000.00
23	Cost for soak pit				LS	₹	5,000.00
	TOTAL					₹	1,72,759.00
	SEWER LINE						
S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT		RATE		AMOUNT
1	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 20cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soils as directed, within a lead of 50 m.						
а	All kinds of soil.						
i	Pipes, cables etc. exceeding 80mm dia. but not exceeding 300 mm dia	301.14	М	₹	208.30	₹	62,727.46
2	Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete.		Cum	₹	910.25	₹	

S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT	RATE	Ē		AMOUNT
	SECURITY HUT						
				TOTA	L	₹	11,38,850.00
8	C/ O of Septic Tank	1.00	Each	LS		₹	5,00,000.00
7	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS: 10910 on 12mm dia steel bar conforming to IS: 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) complete as per design.	92.40	Each	₹	311.60	₹	28,791.84
а	With F.P.S. bricks class designation 75	6.60	M	₹ 4,8	342.40	₹	31,959.84
6	Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91m to 1.67m						
i	With F.P.S. bricks class designation 75	22.00	Each	₹ 8,7	738.55	₹	1,92,248.10
а	0.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately) :						
5	Constructing brick masonry circular type manhole 0.91m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement :4 coarse sand), in side cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size), and making necessary channel 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 all complete as per standard design :						
а	150 mm dia. R.C.C. pipe	301.14	Metre	₹ ;	348.30	₹	1,04,887.06
4	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 :						
а	150 mm diameter S.W. pipe	301.14	М	₹ :	724.70	₹	2,18,236.16
3	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design:						

1	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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.						
а	All kinds of soil.	21.00	Cum	₹	157.50	₹	3,307.50
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	15.00	Cum	₹	112.40	₹	1,686.00
3	Filling of carted earth as per site condition for Black cotton soil filling of Hard yellow soil mixed with kankar say or Murum including filling watering ramming etc. complete.	2.00	CUM	₹	225.00	₹	450.00
4	Supplying chemical emulsion in sealed containers including delivery as						
	specified. Chlorpyriphos/Lindane emulsiflable concentrate of 20%	34.00	1 400	3	185.95	3	6 222 20
а	Chlorpyriphos/Lindane emulsinable concentrate of 20%	34.00	Ltr	₹	100.90	ζ	6,322.30
5	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion):						
а	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1:2 (1 cement: 2 Coarse sand) to match the existing floor:						
i	With Chlorpyriphos/Lindane E.C. 20% with 1% concentration.	18.00	Sqm	₹	118.90	₹	2,140.20
6	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level.						
а	1:5:10 (1 Cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	1.00	Cum	₹	4,004.00	₹	4,004.00
7	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).	5.00	Sqm	₹	257.80	₹	1,289.00
8	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	1.00	per 50 kg cement	₹	48.15	₹	48.15
9	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :						
а	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	5.00	Cum	₹	6,230.20	₹	31,151.00
10	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with:						
а	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	3.00	Cum	₹	7,282.50	₹	21,847.50
11	Centring and shuttering including strutting, propping etc. and removal of form for :						
а	Suspended floors, roofs, landings, balconies and access platform.	51.00	Sqm	₹	401.65	₹	20,484.15
L			<u> </u>				

b	Lintels, beams, plinth beams, grinders, bressumers and cantilevers.	6.00	Sqm	₹	332.15	₹	1,992.90
12	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level.						
а	Thermo-Mechanically Treated bars.	653.00	Kg	₹	68.10	₹	44,469.30
13	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in :						
а	Cement mortar 1:6 (1 cement: 6 coarse sand)	21.00	Cum	₹	4,677.25	₹	98,222.25
14	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in :						
а	Cement mortar 1:6 (1 cement : 6 coarse sand)	15.00	Cum	₹	5,426.15	₹	81,392.25
15	Providing and fixing ISI marked flush door shutters confirming to IS: 2202 (Part-I) non-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.						
а	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	4.00	Sqm	₹	1,909.55	₹	7,638.20
16	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :						
а	300x16 mm	2.00	Each	₹	229.65	₹	459.30
17	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:						
а	250 x 10mm	2.00	Each	₹	95.25	₹	190.50
b	150 x 10mm	2.00	Each	₹	65.35	₹	130.70
18	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators side/ top/ centre hung with beading and all members such as K11B and K12B etc. complete of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of hinges, pivots, float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer; excluding the cost of metal beading and other fitting except necessary hinges or pivots as required as per approved design.	50.00	Kg	₹	230.45	₹	11,522.50
19	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	16.00	Kg	₹	83.70	₹	1,339.20

Providing and laying vitrified floor tilbs in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.06% and onforming to 15 15 16522 of approved make in all colous and shades, laid on 20mm thick carnert mortar 1.4 (1 carnert 1.4 and shades), laid on 20mm thick carnert mortar 1.4 (1 carnert 1.4 and shades), laid on 20mm thick carnert mortar 1.4 (1 carnert 1.4 and shades), laid on 20mm thick carnert mortar 1.4 (1 carnert 1.4 and shades), laid on 20mm thick carnert mortar 1.4 (1 carnert 1.3 and shades), laid on 1.4 and shades), laid on 20mm thick carnert mortar 1.3 and 40 mm wide sind 4 mm thick. 21 Providing and fixing glass strips in joints of terrazor cement 1.3 and 40 mm wide sind 4 mm thick. 22 Cement plaster skirling (up to 30 on height) with cement mortar 1.3 (1 carnert 1.3 and 1.5 an								
a do morete fibors. a 40 mm wide and 4 mm thick. Cement plaster skirting (up to 30 cm height) with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement. a 18 mm thick 1.00 Sgm ₹ 337.25 ₹ 337.25 23 Cement pmelster a 12 mm cement plaster of mix : 15 mm cement plaster of mix : 15 mm cement plaster to be clining of mix: 1.10 Sgm ₹ 149.45 ₹ 8.219.75 15 mm cement plaster to be clining of mix: 1.10 Sgm ₹ 172.80 ₹ 172.80.00 24 mix : 15 mm cement plaster to be clining of mix: 1.10 Sgm ₹ 172.80 ₹ 172.80.00 25 Gmm cement plaster to be clining of mix: 1.10 Sgm ₹ 172.80 ₹ 172.80.00 26 Finishing walls with water proofing cement paint of required shade : 28 New work (Two or more coats applied @ 3.84 kg/10 sgm). 29 Sgm ₹ 57.85 ₹ 3,181.75 20 Sgm ₹ 57.85 ₹ 3,181.75 21 Sistempering with dry distemper of approved brand and manufacture (two or more coats) of required shade on new work, over and including water thinnable priming coat to give an even shade. 29 Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: 20 Sgm ₹ 74.40 ₹ 148.80 21 Total ₹ 3,99,643.00 22 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 sgm on plan) including desising of sides and framming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. 20 All kinds of soil. 21 All kinds of soil. 22 Sigm ₹ 172.50 ₹ 1,732.50 23 Signlyling chemical emulsion in sealed containers including delivery as specified.	20	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	15.00	sqm	₹	1,405.95	₹	21,089.25
concrete floors. a 40 mm wide and 4 mm thick. A 50.05 ₹ - Cement plaster skirting (up to 30 cm height) with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating cost of neat cement. a 18 mm thick 1.00 Sgm ₹ 337.25 ₹ 337.25 23 Cement pmalster a 12 mm cement plaster of mix: 55.00 Sgm ₹ 149.45 ₹ 8.219.75 15 mm cement plaster on the rough side of single or half brick wall of mix: a 16 fm cement plaster on the rough side of single or half brick wall of mix: a 1.6 (1 cement: 6 fine sand) 100.00 Sqm ₹ 172.80 00 25 6mm cement plaster to ceiling of mix: a 1.3 (1 cement: 3 fine sand) 100.00 Sqm ₹ 134.70 ₹ 1.616.40 26 Finishing walls with water proofing cement paint of required shade: a New work (Two or more costs applied @ 3.84 kg/10 sqm). 55.00 Sqm ₹ 57.85 ₹ 3.181.75 Distempering with dry distemper of approved brand and manufacture (two or more costs) of required shade on new work, over and including water thinnable priming coat to give an even shade. Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Total 7 word more coats on new work 2.00 Sqm ₹ 74.40 ₹ 144.80 CANTEEN CANTEEN CANTEEN Total 8 3.99,643.00 Cum 8 112.40 ₹ 899.20 5 0 m and lift upto 1.5 m, including design of sides and ramming of bottoms, lift up to 1.5 m, including design of sides and ramming of bottoms, lift up to 1.5 m, including getting unit the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. including getting unit the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	21	, ,						
Cement plaster skirting (up to 30 cm height) with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement. a 18 mm thick 1.00 Sqm ₹ 337.25 ₹ 337.25 23 Cement pmalster a 12 mm cement plaster of mix: 55.00 Sqm ₹ 149.45 ₹ 8,219.75 24 finiting cement: 6 fine sand) 15 mm cement plaster to ceiling of mix: a 13 (1 cement: 6 fine sand) 100.00 Sqm ₹ 172.80 ₹ 17,280.00 25 Smm cement plaster to ceiling of mix: a 13 (1 cement: 3 fine sand) 112.00 Sqm ₹ 134.70 ₹ 1,616.40 26 Finishing walls with water proofing cement paint of required shade: a New work (Two or more coats applied @ 3.84 kg/10 sqm). 55.00 Sqm ₹ 57.85 ₹ 3,181.75 Distempering with dry distemper of approved brand and manufacture (two or more coats) of required shade on new work, over and including water thinnable priming coat to give an even shade. 28 Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: a Two or more coats) on new work 20 Sqm ₹ 74.40 ₹ 148.80 CANTEEN CANTEEN CANTEEN CANTEEN Total 7 Total 7 Total 7 Total 8 Total 7 Total 8 Total 8 Total 8 Total 1 Total 8 Total 1 Total 1 Total 8 Total 1 Total 2 Total 2 Total 3 Sy9,643.00 Cum ₹ 117.40 ₹ 148.80				M	₹	50.05	₹	
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27 (two or more coats) of required shade on new work, over and including water thinnable priming coat to give an even shade.	а	New work (Two or more coats applied @ 3.84 kg/10 sqm).	55.00	Sqm	₹	57.85	₹	3,181.75
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a Two or more coats on new work 2.00 Sqm ₹ 74.40 ₹ 148.80 Total ₹ 3,99,643.00 CANTEEN CANTEEN S.NO. DESCRIPTION OF ITEM QTY. UNIT RATE AMOUNT 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 up to 1.5 m, including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a All kinds of soil. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m Supplying chemical emulsion in sealed containers including delivery as specified.	28	, , , , , , , , , , , , , , , , , , , ,						
S.NO. DESCRIPTION OF ITEM QTY. UNIT RATE AMOUNT 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 up to 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. 11.00 Cum ₹ 157.50 ₹ 1,732.50 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m Supplying chemical emulsion in sealed containers including delivery as specified.	а		2.00	Sqm	₹	74.40	₹	148.80
S.NO. DESCRIPTION OF ITEM QTY. UNIT RATE AMOUNT 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 up to 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. 11.00 Cum ₹ 157.50 ₹ 1,732.50 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m Supplying chemical emulsion in sealed containers including delivery as specified.								
S.NO. DESCRIPTION OF ITEM QTY. UNIT RATE AMOUNT 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 up to 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. 11.00 Cum ₹ 157.50 ₹ 1,732.50 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m Supplying chemical emulsion in sealed containers including delivery as specified.		CANTEEN		I ota	<u> </u>		₹	3,99,643.00
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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a All kinds of soil. 11.00 Cum ₹ 157.50 ₹ 1,732.50 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m Supplying chemical emulsion in sealed containers including delivery as specified.		CANTLEN						
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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a All kinds of soil. 11.00 Cum ₹ 157.50 ₹ 1,732.50 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m Supplying chemical emulsion in sealed containers including delivery as specified.	S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT		RATE		AMOUNT
Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m Supplying chemical emulsion in sealed containers including delivery as specified. 8.00 Cum 112.40 ₹ 899.20	1	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 up to 1.5 m, including getting out the excavated soil and						
2 sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m Supplying chemical emulsion in sealed containers including delivery as specified. 8.00 Cum ₹ 112.40 ₹ 899.20	а	All kinds of soil.	11.00	Cum	₹	157.50	₹	1,732.50
as specified.	2	sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up	8.00	Cum	₹	112.40	₹	899.20
	3	'''						
	а		37.00	Ltr	₹	185.95	₹	6,880.15

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Treatment of soil under existing floors using chemical emulsion @ one life per hole, 300 mm spart including drilling 12 mm diameter holes and plugging with cement mortar 1.2 (1 cement : 2 Coarse sand) to market the existing floor: i With Chlorypriphost-Lindane E.C. 20% with 1% concentration. 5 Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering – All work upto plinith level. a 1:5:10 (1 Cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) Providing and laying damp-proof course 40mm thick with cement concrete 12.4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 4 mm nominal size) Providing and laying damp-proof course 40mm thick with cement concrete 12.4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 4 5.50 Sqm ₹ 257.80 ₹ 1,160.10 Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. Providing and laying in position specified grade of reinforced cement concrete work in doses by weight of cement as per manufacturer's specification: 1:15.53 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm ominal size) Providing and inifrorement. All work up to plinith level : 1:15.53 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm ominal size) Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°; landings, balconies, shelves, chajias, linets, bands, plan window sils, staticases and spiral stati cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with: a 1:15.31 (1 cement : 15 coarse sand : 3 graded stone aggregate 20 mm ominal size) 10 Centring and shuttering including strutting, propping etc. and removal or form for : a Suspended floors, roofs, landings, balconies and access platform. 4 to 40.00 Kg ₹ 66.10 ₹ 16.467.65 Thermo-Mechanically Treated bars. 11:50 Cum ₹ 4,677.25 ₹ 30.402.13 Brick work with F.P.S. bricks of class desi	4	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion):						
i With Chlorypyrphos/Lindane E.C. 20% with 1% concentration. 20.00 Sqm ₹ 46.70 ₹ 974.00 Froviding and laying in position cement concrete of specified grade excluding the cost of centring and shutdering - All work upto plinth level. a 15:10 (1 Cement: 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) Providing and laying damp-proof course 40mm thick with cement concrete 1:24 (1 Cement: 2 coarse sand : 4 graded stone aggregate 12.5mm mominal size) Providing and laying damp-proof course 40mm thick with cement concrete 1:24 (1 Cement: 12 coarse sand : 4 graded stone aggregate 12.5mm mominal size) Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : a 11.53 (1 cement: 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajias, lintels, bands, plain window sills, staiccases and spiral staic cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with: 1.1.53 (1 cement: 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) 4.50 Cum ₹ 7,282.50 ₹ 32,771.25 Centring and shuttering including strutting, propping etc. and removal of form for : a Suspended floors, roofs, landings, balconies and access platform. 4.00 Cum ₹ 7,282.50 ₹ 3,819.73 Reinforcement for R.C.C. work including stratting, propping etc. and removal of form for : a Suspended floors, roofs, landings, balconies and access platform. 4.00 Cum ₹ 4,677.25 ₹ 3,819.73 Reinforcement for R.C.C. work including stratting, cutting bending, placing in position and binding all complete. Above plinth level. a Thermo-Mechanically Treated bars. 4.00.00 Kg ₹ 68.10 ₹ 4,677.25 ₹ 30,402.13 Bric	а	litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1:2 (1 cement: 2 Coarse sand) to						
20 excluding the cost of centring and shuttering - All work upto plinth level. 3 15:10 (1 Cement : 5 coarse sand : 10 graded stone aggregate 40 mm 5.00 Cum ₹ 4,004.00 ₹ 20.020.00 4 15:10 (1 Cement : 5 coarse sand : 10 graded stone aggregate 40 mm 5.00 Cum ₹ 4,004.00 ₹ 20.020.00 5 12 5 mm nominal size). 5 12 5 mm nominal size). 6 12 5 mm nominal size). 7 12 5 mm nominal size). 7 12 5 mm nominal size). 8 13 5 mm nominal size). 8 14 6 mm nominal size). 9 15 6 mm nominal size). 9 15 7 mm nominal size). 16 17 7 mm nominal size). 17 18 7 mm nominal size). 18 19 7 mm nominal size). 19 11 5 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size). 10 11 5 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size). 10 11 5 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size). 10 10 10 5 mm nominal size). 11 15 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size). 10 10 10 5 mm nominal size). 11 15 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size). 10 10 10 5 mm nominal size). 10 10 10 5 mm nominal size). 10 10 10 5 mm nominal size). 11 15 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size). 10 10 5 mm nominal size). 11 15 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size). 10 10 5 mm nominal size). 10	i	With Chlorpyriphos/Lindane E.C. 20% with 1% concentration.	20.00	Sqm	₹	48.70	₹	974.00
a nominal size) Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 Cement: 2 coarse sand: 4 graded stone aggregate 12.5mm nominal size) Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement—All work up to plinth level: a 1:15:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size) Reinforced cement concrete work in beams, suspended floors, roofs having stope upto 15°, landings, balconies, shelves, chajias, lintels, bands, plain window sills, staircases and syiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with: a 1:15:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size) Centring and shuttering including strutting, propping etc. and removal of form for: a Suspended floors, roofs, landings, balconies and access platform. 4.50 Cum ₹ 7.282.50 ₹ 32,771.25 Centring and shuttering including strutting, propping etc. and removal of form for: a Suspended floors, roofs, landings, balconies and access platform. 4.100 Sqm ₹ 401.65 ₹ 16.467.65 b Lintels, beams, plinth beams, grinders, bressumers and cantilevers. 11.50 Sqm ₹ 332.15 ₹ 3,819.73 Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level. a Thermo-Mechanically Treated bars. 400.00 Kg ₹ 68.10 ₹ 27,240.00 Reinforcement for R.C.C. work including straightening cutting, bending, placing in position and binding all complete. Above plinth level. Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in : a Cement mortar 1.6 (1 cement: 6 coarse sand) 7.50 Cum ₹ 4.677.25 ₹ 30.402.13	5							
6 concrete 1:24 (1 Cement : 2 coarse sand : 4 graded stone aggregate 4.50 Sqm ₹ 257.80 ₹ 1,160.10 Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1.5.3 (1 cement 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajias, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with: 11.5.3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) Centring and shuttering including strutting, propping etc. and removal of form for: a Suspended floors, roofs, landings, balconies and access platform. 4.50 Cum ₹ 7.282.50 ₹ 32,771.25 Centring and shuttering including strutting, propping etc. and removal of form for: a Suspended floors, roofs, landings, balconies and access platform. 4.100 Sqm ₹ 401.65 ₹ 16,467.65 b Lintels, beams, plinth beams, grinders, bressumers and cantilevers. 11.50 Sqm ₹ 332.15 ₹ 3,819.73 Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level. a Thermo-Mechanically Treated bars. 400.00 Kg ₹ 68.10 ₹ 27.240.00 12 Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in: a Cement mortar 1.6 (1 cement: 6 coarse sand) 7.50 Cum ₹ 5,426.15 ₹ 40,696.13 Half brick masonry with bricks of class designation 75 in superstructure above pinth level upto floor V level in all shapes and sizes in: a Cement mortar 1.6 (1 cement: 6 coarse sand) 7.50 Cum ₹ 5,426.15 ₹ 40,696.13	а	,	5.00	Cum	₹	4,004.00	₹	20,020.00
7 concrete work in doses by weight of cement as per manufacturer's specification. 8 providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement -All work up to plinth level: 11:5.3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size) Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajias, lintels, beands, plain window sllls, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with: 11:5.3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size) Centring and shuttering including strutting, propping etc. and removal of form for: a Suspended floors, roofs, landings, balconies and access platform. 41:00 Sqm ₹ 401.65 ₹ 16.467.65 b Lintels, beams, plinth beams, grinders, bressumers and cantilevers. 11:50 Sqm ₹ 332.15 ₹ 3,819.73 Reinforcement for R.C.C. work including straightening, cutting, beading, placing in position and binding all complete. Above plinth level. a Thermo-Mechanically Treated bars. 400.00 Kg ₹ 68.10 ₹ 27,240.00 Rick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in: a Cement mortar 1:6 (1 cement: 6 coarse sand) 7:50 Cum ₹ 4,677.25 ₹ 40,696.13 Half brick masonry with bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in: a Cement mortar 1:6 (1 cement: 6 coarse sand)	6	concrete 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate	4.50	Sqm	₹	257.80	₹	1,160.10
8 cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : a 1.1.5.3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with: a 1:1.5.3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) 10 Centring and shuttering including strutting, propping etc. and removal of form for : a Suspended floors, roofs, landings, balconies and access platform. 41.00 Sqm ₹ 401.65 ₹ 16,467.65 b Lintels, beams, plinth beams, grinders, bressumers and cantilevers. 11.50 Sqm ₹ 332.15 ₹ 3,819.73 Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level. a Thermo-Mechanically Treated bars. 400.00 Kg ₹ 68.10 ₹ 27,240.00 Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in : a Cement mortar 1:6 (1 cement: 6 coarse sand) 7.50 Cum ₹ 5,426.15 ₹ 40,696.13 Half brick masonry with bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in :	7	concrete work in doses by weight of cement as per manufacturer's	2.00	per 50 kg cement	₹	48.15	₹	96.30
a nominal size) Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajias, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with: a 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size) Centring and shuttering including strutting, propping etc. and removal of form for: a Suspended floors, roofs, landings, balconies and access platform. 41.00 Sqm ₹ 401.65 ₹ 16,467.65 b Lintels, beams, plinth beams, grinders, bressumers and cantilevers. 11.50 Sqm ₹ 332.15 ₹ 3,819.73 Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level. a Thermo-Mechanically Treated bars. 400.00 Kg ₹ 68.10 ₹ 27,240.00 Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in: a Cement mortar 1:6 (1 cement: 6 coarse sand) 5.50 Cum ₹ 4,677.25 ₹ 30,402.13 Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in: a Cement mortar 1:6 (1 cement: 6 coarse sand) 7.50 Cum ₹ 5,426.15 ₹ 40,696.13	8	cement concrete excluding the cost of centering, shuttering,						
having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with: a 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) 10 Centring and shuttering including strutting, propping etc. and removal of form for : a Suspended floors, roofs, landings, balconies and access platform. 41.00 Sqm ₹ 401.65 ₹ 16,467.65 b Lintels, beams, plinth beams, grinders, bressumers and cantilevers. 11.50 Sqm ₹ 332.15 ₹ 3,819.73 Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level. a Thermo-Mechanically Treated bars. 400.00 Kg ₹ 68.10 ₹ 27,240.00 Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in : a Cement mortar 1:6 (1 cement: 6 coarse sand) 6.50 Cum ₹ 4,677.25 ₹ 30,402.13 Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in : a Cement mortar 1:6 (1 cement: 6 coarse sand) 7.50 Cum ₹ 5,426.15 ₹ 40,696.13 Half brick masonry with bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in :	а	,	0.60	Cum	₹	6,230.20	₹	3,738.12
a 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) 10 Centring and shuttering including strutting, propping etc. and removal of form for : a Suspended floors, roofs, landings, balconies and access platform. 41.00 Sqm ₹ 401.65 ₹ 16,467.65 b Lintels, beams, plinth beams, grinders, bressumers and cantilevers. 11.50 Sqm ₹ 332.15 ₹ 3,819.73 Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level. a Thermo-Mechanically Treated bars. 400.00 Kg ₹ 68.10 ₹ 27,240.00 Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in : a Cement mortar 1:6 (1 cement: 6 coarse sand) 6.50 Cum ₹ 4,677.25 ₹ 30,402.13 Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in : a Cement mortar 1:6 (1 cement: 6 coarse sand) 7.50 Cum ₹ 5,426.15 ₹ 40,696.13	9	having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and						
of form for : a Suspended floors, roofs, landings, balconies and access platform. b Lintels, beams, plinth beams, grinders, bressumers and cantilevers. lintels, beams, placing in the sum, place lintels, beams, pla	а	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm	4.50	Cum	₹	7,282.50	₹	32,771.25
b Lintels, beams, plinth beams, grinders, bressumers and cantilevers. 11.50 Sqm ₹ 332.15 ₹ 3,819.73 Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level. a Thermo-Mechanically Treated bars. 400.00 Kg ₹ 68.10 ₹ 27,240.00 Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in: a Cement mortar 1:6 (1 cement: 6 coarse sand) Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in: a Cement mortar 1:6 (1 cement: 6 coarse sand) 7.50 Cum ₹ 5,426.15 ₹ 40,696.13 Half brick masonry with bricks of class designation 75 in superstructure above plinth level upto floor V level	10							
Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level. a Thermo-Mechanically Treated bars. 400.00 Kg ₹ 68.10 ₹ 27,240.00 Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in: a Cement mortar 1:6 (1 cement: 6 coarse sand) 6.50 Cum ₹ 4,677.25 ₹ 30,402.13 Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in: a Cement mortar 1:6 (1 cement: 6 coarse sand) 7.50 Cum ₹ 5,426.15 ₹ 40,696.13 Half brick masonry with bricks of class designation 75 in superstructure above plinth level upto floor V level	а	Suspended floors, roofs, landings, balconies and access platform.	41.00	Sqm	₹	401.65	₹	16,467.65
11 bending, placing in position and binding all complete. Above plinth level. a Thermo-Mechanically Treated bars. 400.00 Kg ₹ 68.10 ₹ 27,240.00 12 Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in: a Cement mortar 1:6 (1 cement: 6 coarse sand) 6.50 Cum ₹ 4,677.25 ₹ 30,402.13 13 Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in: a Cement mortar 1:6 (1 cement: 6 coarse sand) 7.50 Cum ₹ 5,426.15 ₹ 40,696.13 14 Half brick masonry with bricks of class designation 75 in superstructure above plinth level upto floor V level	b	Lintels, beams, plinth beams, grinders, bressumers and cantilevers.	11.50	Sqm	₹	332.15	₹	3,819.73
a Thermo-Mechanically Treated bars. 400.00 Kg ₹ 68.10 ₹ 27,240.00 12 Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in: a Cement mortar 1:6 (1 cement: 6 coarse sand) 6.50 Cum ₹ 4,677.25 ₹ 30,402.13 13 Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in: a Cement mortar 1:6 (1 cement: 6 coarse sand) 7.50 Cum ₹ 5,426.15 ₹ 40,696.13 14 Half brick masonry with bricks of class designation 75 in superstructure above plinth level upto floor V level	11	bending, placing in position and binding all complete. Above plinth						
12 plinth in : a Cement mortar 1:6 (1 cement: 6 coarse sand) 6.50 Cum ₹ 4,677.25 ₹ 30,402.13 13 Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in : a Cement mortar 1:6 (1 cement : 6 coarse sand) 7.50 Cum ₹ 5,426.15 ₹ 40,696.13 14 Half brick masonry with bricks of class designation 75 in superstructure above plinth level upto floor V level	а		400.00	Kg	₹	68.10	₹	27,240.00
a Cement mortar 1:6 (1 cement: 6 coarse sand) 13 Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in : a Cement mortar 1:6 (1 cement : 6 coarse sand) 7.50 Cum ₹ 5,426.15 ₹ 40,696.13 Half brick masonry with bricks of class designation 75 in superstructure above plinth level upto floor V level	12	_						
above plinth level upto floor V level in all shapes and sizes in : a Cement mortar 1:6 (1 cement : 6 coarse sand) 7.50 Cum ₹ 5,426.15 ₹ 40,696.13 Half brick masonry with bricks of class designation 75 in superstructure above plinth level upto floor V level	а		6.50	Cum	₹	4,677.25	₹	30,402.13
Half brick masonry with bricks of class designation 75 in superstructure above plinth level upto floor V level	13	· · · · · · · · · · · · · · · · · · ·						
above plinth level upto floor V level	а	Cement mortar 1:6 (1 cement : 6 coarse sand)	7.50	Cum	₹	5,426.15	₹	40,696.13
	14							
	a		11.00	Sqm	₹	665.80	₹	7,323.80

	T	-					
45	Providing and fixing ISI marked flush door shutters confirming to IS: 2202 (Part-I) non-decorative type, core of block board construction with						
15	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.						
а	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	2.00	Sqm	₹	1,909.55	₹	3,819.10
16	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :						
а	300x16 mm	1.00	Each	₹	229.65	₹	229.65
	Providing and fixing aluminium tower bolts ISI marked anodised (
17	anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:						
а	250 x 10mm	1.00	Each	₹	95.25	₹	95.25
b	150 x 10mm	1.00	Each	₹	65.35	₹	65.35
U	130 X TOTHITI	1.00	Lacii		00.00		00.00
18	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators side/ top/ centre hung with beading and all members such as K11B and K12B etc. complete of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of hinges, pivots, float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer; excluding the cost of metal beading and other fitting except necessary hinges or pivots as required as per approved design.	81.00	Kg	₹	230.45	₹	18,666.45
19	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	16.00	Kg	₹	83.70	₹	1,339.20
20	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters.	E 50	Cam	3	1 209 45	3	6 646 49
а	80x1.25mm M.S. laths with 1.25 mm thick top cover.	5.50	Sqm	₹	1,208.45	₹	6,646.48
21	Providing and fixing ball bearing for rolling shutters.	6.00	Each	₹	356.50	₹	2,139.00

22	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.						
а	40mm thick with 20mm nominal size stone aggregate.	0.00	Sqm	₹	-	₹	-
	Providing and fixing glass strips in joints of terrazo / cement concrete						
23	floors.						
а	40 mm wide and 4 mm thick.	0.00	М	₹	50.05	₹	-
24	Providing and fixing lst quality ceramic glazed tiles conforming to IS: 15622 (thickness to be specified by the manufacture) 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 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	8.50	Sqm	₹	836.65	₹	7,111.53
25	12 mm cement plaster of mix :						
а	1:6 (1 cement : 6 fine sand)	39.00	Sqm	₹	149.45	₹	5,828.55
26	15 mm cement plaster on the rough side of single or half brick wall of mix :						
а	1:6 (1 cement : 6 fine sand)	48.00	Sqm	₹	172.80	₹	8,294.40
27	6mm cement plaster to ceiling of mix:						
a	1:3 (1 cement : 3 fine sand)	41.00	Sqm	₹	134.70	₹	5,522.70
28	Finishing walls with water proofing cement paint of required shade :						
а	New work (Two or more coats applied @ 3.84 kg/10 sqm).	41.00	Sqm	₹	57.85	₹	2,371.85
29	Distempering with dry distemper of approved brand and manufacture (two or more coats) of required shade on new work, over and including water thinnable priming coat to give an even shade.	76.00	Sqm	₹	68.60	₹	5,213.60
30	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :						
а	Two or more coats on new work	21.00	Sqm	₹	74.40	₹	1,562.40
	Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete.	13.00				₹	-
	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.	66.00	Sqm	₹	1,141.40	₹	75,332.40
	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.		Sqm	₹	1,191.25		6,432.75
	Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.	25.00	Mtr	₹	75.80	₹	1,895.00
			Tota	l N		₹	3,46,786.70
			1016				J,+U,10U.1U
	CYCLE STAND	·					
	Details of Measurement and Analys	sis of Rate f	or 1 no.	<u> </u>			

S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT		RATE		AMOUNT
1	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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.						
а	All kinds of soil.	9.00	Cum	₹	157.50	₹	1,417.50
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m	25.00	Cum	₹	112.40	₹	2,810.00
3	Filling of carted earth per side condition for Black cotton soil filling of Hard yellow coil mixed with kankar say on Murum including filling watering ranntrig etc. complete.	16.00	Cum	₹	225.00	₹	3,600.00
4	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level.						
а	1:5:10 (1 Cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	14.00	Cum	₹	4,004.00	₹	56,056.00
5	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :						
а	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	3.00	Cum	₹	6,230.20	₹	18,690.60
6	Centring and shuttering including strutting, propping etc. and removal of form for :						
а	Foundations, footings, bases of columns etc. for mass concrete.	9.00	Sqm	₹	196.45	₹	1,768.05
b	Columns, Pillars, Piers, Abutments, Posts and Struts	12.00	Sqm	₹	453.35	₹	5,440.20
7	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level.						
а	Thermo-Mechanically Treated bars.	185.00	Kg	₹	68.10	₹	12,598.50
8	Steel work in built up tubular trusses including cutting, hoisting fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete.						
а	Electric resistance or induction butt welded tubes.	2100.00	Kg	₹	123.65	₹	2,59,665.00
9	Providing non-asbestos high impact Polypropylene reinforced cement 6mm thick corrugated sheets (as per IS: 14871) roofing up to any pitch and fixing with polymer coated J, or L hooks, bolts and nuts 8mm dia. G.I. plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete excluding the cost of purlins, rafters and trusses: corrugated sheets and including cutting to size and shape wherever required.	133.00	Sqm	₹	396.10	₹	52,681.30

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10	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.						
а	40mm thick with 20mm nominal size stone aggregate.	130.00	Sqm	₹	-	₹	-
11	Extra for making chequers of approved pattern on cement concrete floors, steps, landing, pavements etc.	130.00	Sqm	₹	33.25	₹	4,322.50
12	Providing and fixing glass strips in joints of terrazo / cement concrete floors.						
а	40 mm wide and 4 mm thick.	130.00	M	₹	50.05	₹	6,506.50
13	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :						
а	Two or more coats on new work	133.00	Sqm	₹	74.40	₹	9,895.20
			Total For	1 No)	₹	4,35,451.00
	OPEN AIR THEATRE	STAGE					
S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT		RATE		AMOUNT
1	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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.						
а	All kinds of soil.	43.00	Cum	₹	157.50	₹	6,772.50
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m	150.00	Cum	₹	112.40	₹	16,860.00
3	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level.						
а	1:5:10 (1 Cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	19.00	Cum	₹	4,004.00	₹	76,076.00
4	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in :						
а	Cement mortar 1:6 (1 cement: 6 coarse sand)	56.00	Cum	₹	4,677.25	₹	2,61,926.00
5	12 mm cement plaster of mix :						
а	1:6 (1 cement : 6 fine sand)	174.00	Sqm	₹	149.45	₹	26,004.30
6	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction and of approved size and design/shape laid in required colour and pattern over and including 50mm thick compacted bed of course sand, filling the joints with coarse sand etc. all complete as per the direction of Engineer-incharge.	0.00	Sqm	₹	602.20	₹	-
7	Steel work in built up tubular trusses including cutting, hoisting fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete.						
а	Electric resistance or induction butt welded tubes.	3505.00	Kg	₹	123.65	₹	4,33,393.25

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8	Providing non-asbestos high impact Polypropylene reinforced cement 6mm thick corrugated sheets (as per IS: 14871) roofing up to any pitch and fixing with polymer coated J, or L hooks, bolts and nuts 8mm dia. G.I. plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete excluding the cost of purlins, rafters and trusses: corrugated sheets and including cutting to size and shape wherever required.	247.00	Sqm	₹	396.10	₹	97,836.70
9	Painting with synthetic enamel paint of approved brand and						
а	manufacture to give an even shade : Two or more coats on new work	247.00	Sqm	₹	74.40	₹	18,376.80
10	Finishing walls with water proofing cement paint of required shade :						
а	New work (Two or more coats applied @ 3.84 kg/10 sqm).	247.00	Sqm	₹	57.85	₹	14,288.95
			Tota			₹	9,51,535.00
	BOUNDARY WAL	L	100				3,01,000.00
S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT		RATE		AMOUNT
1	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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.						
а	All kinds of soil.	862.00	cum	₹	157.50	₹	1,35,765.00
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m	431.00	cum	₹	112.40	₹	48,444.40
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:						
а	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	115.00	cum	₹	4,301.15	₹	4,94,632.25
4	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :						
а	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	200.00	Cum	₹	6,230.20	₹	12,46,040.00
5	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement:						
а	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	49.00	Cum	₹	7,074.30	₹	3,46,640.70
6	Centering and shuttering including strutting, propping etc. and removal of form for :						
а	Foundations, footings, bases of columns etc. for mass concrete.	181.00	Sqm	₹	196.45	₹	35,557.45
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b	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	486.00	Sqm	₹	332.15	₹	1,61,424.90
С	Columns, Pillars, Piers, Abutments, Posts and Struts.	974.00	Sqm	₹	453.35	₹	4,41,562.90
7	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.						
а	Thermo-Mechanically Treated bars.	23963.00	Kg	₹	68.10	₹	16,31,880.30
8	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level.						
а	Thermo-Mechanically Treated bars.	7346.00	Kg	₹	68.10	₹	5,00,262.60
9	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in :						
а	Cement mortar 1:6 (1 cement: 6 coarse sand)	461.00	Cum	₹	4,677.25	₹	21,56,212.25
10	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in :						
а	Cement mortar 1:6 (1 cement : 6 coarse sand)	271.00	Cum	₹	5,426.15	₹	14,70,486.65
11	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.						
а	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	3505.00	Kg	₹	90.10	₹	3,15,800.50
12	12 mm cement plaster of mix :						
а	1:6 (1 cement: 6 fine sand)	1575.00	Sqm	₹	149.45	₹	2,35,383.75
13	15 mm cement plaster on rough side of single or half brick wall of mix :						
а	1:6 (1 cement: 6 fine sand)	1183.00	Sqm	₹	172.80	₹	2,04,422.40
14	Finishing walls with textured exterior paint of required shade :						
а	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm.	2758.00	Sqm	₹	146.45	₹	4,03,909.10
15	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :						
а	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand or manufacture	117.00	Sqm	₹	90.00	₹	10,530.00
16	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately):- Payment to be made per metre cost of total length of barbed wire used.						
	With G.I. barbed wire	5355.00	Metre	₹	12.95		69,347.25

17	Supplying at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.	645.00	Kg	₹	70.90	₹	45,730.50
			Tota	l		₹	99,54,033.00
	Sports Faci	lity					
1	Preparation and consolidation of subgrade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and disposal of surplus earth lead upto 50 metres.						
		1067.00	sqm	₹	81.30	₹	86,747.10
2	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level.						
а	1:5:10 (1 Cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	54.00	cum	₹	4,004.00	₹	2,16,216.00
3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.						
а	40mm thick with 20mm nominal size stone aggregate	1067.00	sqm	₹	112.40	₹	1,19,930.80
4	Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar including filling joints with Jamuna sand with common burnt clay non modular bricks.	1067.00	sqm	₹	498.95	₹	5,32,379.65
5	P/L 25mm wide white marble stone strips	375.00		₹	250.00	₹	93,750.00
			Total			₹	10,49,023.55
	Step sitting						
	,						
1	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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					`	
	All kind of soils	41.69	cum	₹	157.50	₹	6,565.86
	Filling systillable everywhead posttly (evelyding yearly) in translable which						
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m Providing and laying in position cement concrete of specified grade	20.84	cum	₹	112.40	₹	2,342.87
	excluding the cost of centering and shuttering - All work up to plinth level:						
	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	2.36	cum	₹	4,004.00	₹	9,441.43
3	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :						
	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)						
	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement:						
	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm					₹	2,77,340.86

Celestering and shutstriding including strutting, propping etc. and removal of form for: Foundations, footings, bases of columns, etc. for mass concrete. Suspended floors, roofs, landings, balconies and access platform. Lintels, beams, plinth beams, girders, bressumers and cartilevers. Columns, Pillars, Piers, Abutments, Posts and Struts. Seel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Thermo-Machanically Treated bars. Seel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Thermo-Machanically Treated bars. Seel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Thermo-Machanically Treated bars. Kotal stone slabb flooring over 20 mm (average) thick base laid over and pinted with grey cament surry mixed with pigment to match the shade of the slab including, public and polishing complete with base of cament matar 1: 4 (1 cament : 4 caanse sand): 25 mm thick. Kotal stone slabb 20 mm thick in risers of sleps, skirling, dado and pillas laid on 12 mm (average) thick coment matar 1: 4 (1 cament : 4 caanse sand): 25 mm thick. Septic Tank Excevation work by mechanical means (Phydraulic excevator)/ manual means in foundation trenches of drains (not exceeding 1.5m in width or 1 10 sym on plan), including dressing of sistes and ramming of bottoms, lift up to 1.5 m. including getting out the exceedated sile and disposal of surplus excevated siles and framming of bottoms, lift up to 1.5 m. including getting out the exceedated sile and disposal of surplus excevated siles and framming of bottoms, lift up to 1.5 m. including getting out the exceedated sile and disposal of surplus excevated siles and framming of bottoms, lift up to 1.5 m. including getting out the exceedated sile and disposal of surplus exceeding 1.5 m. in width or 1 10 sym on plan								
Suspended floors, roofs, landings, balcones and access platform. 192.00 sgm ₹ 401.65 ₹ 77,116.80								
Lintels, beams, plinth beams, girders, bressumers and cantilevers, 27.12 sqm ₹ 332.15 ₹ 9.007.91 Columns, Pillars, Piers, Abutments, Posts and Struts. 6.62 sqm ₹ 453.35 ₹ 3.002.99 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Thermo-Mechanically Treated bars. 486.00 kg ₹ 68.10 ₹ 33.095.80 Seel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars. 486.00 kg ₹ 68.10 ₹ 33.095.80 Kots stone slab londing outbridge and polishing complete with base and over and included with grey cement stury mixed with pignent to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1: 4 (I cement 3-corarse sand) and jointed with grey cement stury mixed vith pignent to match the shade of th		Foundations, footings, bases of columns, etc. for mass concrete.	10.80	sqm	₹	196.45	₹	2,121.66
Columns, Pillars, Piers, Abuthents, Posts and Struts. Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Thermo-Mechanically Treated bars. 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. Kots stone slab flooring over 20 mm (average) thick base laid over and pinted with grey cement surry maked with pignent to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1: 4 (1 cement: 4 coarse sand); Z5mm thick. Kots stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pignent to match the shade of the slabs, including rubbing and polishing complete. Total ₹ 1,141.40 ₹ 2,19,148.80 Saptic Tank Excavation work by mechanical means (Hydraulic axcavator)/ manual means infoundation trenches or drains (not exceeding 1.5m in width or 1 10 sqm on plan), including desising of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. B Ordinary rock B Ordinary rock B Ordinary rock Saptic Tank Excavation work by mechanical means (Hydraulic axcavator)/ manual means infoundation trenches or drains (not exceeding 1.5m in width or 1 10 sqm on plan), including desising of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. B Ordinary rock rdinary rock with plant in the excavated soil and disp		Suspended floors, roofs, landings, balconies and access platform.	192.00	sqm	₹	401.65	₹	77,116.80
Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Thermo-Mechanically Treated bars. 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. Kota stone slab flooring over 20 mm (average) thick base laid over and printed with grey coment slurry mixed with pages coment slurry mixed with pages of cement mortar 1: 4 (1 cement: 4 coarse sand): 25 mm thick. Kota stone slabs 20 mm thick in risers of steps, skirling, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with ipprent to match the shade of the slabs, including rubbing and polishing complete. Total Septic Tank Excevation work by mechanical means (Hydraulic excevator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 1 0 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m. including detersing of sides and ramming of bottoms, lift upto 1.5 m. including detersing of sides and ramming of bottoms, lift upto 1.5 m. including detersing of sides and ramming of bottoms, lift upto 1.5 m. including detersing of sides and ramming of bottoms, lift upto 1.5 m. including detersing of sides and ramming of bottoms, lift upto 1.5 m. including detersing of sides and ramming of bottoms, lift upto 1.5 m. including detersing of sides and ramming of bottoms, lift upto 1.5 m. including detersing of sides and ramming of bottoms, lift upto 1.5 m. including detersing of sides and ramming of bottoms, lift upto 1.5 m. including detersing of sides and ramming of bottoms, lift upto 1.5 m. including detersing of sides and ramming of bottoms, lift upto 1.5 m. including detersing of sides and ramming of bottoms, lift upto 1.5 m. including detersing of sides and ramming of bottoms, lift upto 1.5 m. including and sides and ramming of bo		Lintels, beams, plinth beams, girders, bressumers and cantilevers.	27.12	sqm	₹	332.15	₹	9,007.91
bending, placing in position and binding all complete up to plinth level. Thermo-Mechanically Treated bars. 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. Kota stone slab Booring over 20 mm (average) thick base laid over and jointed with grey cement sturry 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. Kota stone slab 20 mm thick in risers of sleps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 13 (1 cement scoarse sand) and jointed with grey cement sturry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete. Total Excavation work by mechanical means (Hydraulic excavatory) manual means in foundation frenches or drains (not exceeding 1.5m in width or 11 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 sides a directed, within a lead of 50 m. a Ordinary rock Extra for every additional lift of 1.5 m or part thereof in excavation / bentifying excavated of slacked materials. a All kinds of soil. i from 1.5 m to 3.0 m Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: a 1.3.6 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) Providing and fixing up to floor five level precast cement concrete solid block, including hosting and setting in position with cement mortar 1.3 (1 cement : 3 coarse sand). cost of required centering, shuttering complete: a 1.3.6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) Providing and laying in position specified grade of reinforced cement of sourcete, excluding the cost of centering, shuttering, finishing and setting		Columns, Pillars, Piers, Abutments, Posts and Struts.	6.62	sqm	₹	453.35	₹	3,002.99
Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and brinding all complete above plinth level. Thermo-Mechanically Treated bars. Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement sturry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1: 4 (1 cement 1:4 coarse sand): 25 mm thick. Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete. Total Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 1 on plan), including dressing of sides and ramming of bottons, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. a Ordinary rock 2 Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. a All kinds of soil. 4 Providing and laying in position cement concrete of specified grade excluding the cost of cementing and shuttering - All work up to plinth level! a 1.48 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm norminal size) Providing and laying in position specified grade excluding the cost of cementing and shuttering - All work up to plinth level! a 1.36 (1 cement : 3 coarse sand). Cost of required centering, shuttering complete: a 1.36 (1 cement : 3 coarse sand). Cost of required centering, shuttering complete: a 1.36 (1 cement : 3 coarse sand) cost of centering, shuttering complete: a 1.36 (1 cement : 3 coarse sand) cost of centering, shuttering complete: a 1.36 (1 cement is coarse sand) cost of centering, shuttering complete: a 1.36 (1 cement is coarse sand) cost of centering, shuttering,								
bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars. Kota stone slab flooring over 20 mm (average) thick base taid over and jointed with grey cement sturry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cament mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick. Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 13 (1 cement 3 coarse sand) and jointed with grey cement sturry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete. Septic Tank Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 1 10 sam 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 soils as directed, within a lead of 50 m. a Ordinary rock 2 Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. a All kinds of soil. a [Rik inds of soil.] brind 15 m to 3.0 m 167.7 Cum ₹ 46.25 ₹ 7.754.68 if from 3.0 m to 4.5 m 70.21 Cum ₹ 46.25 ₹ 3.247.31 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to pinth level: 1 1.36 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) Providing and laying in position seems concrete cement concrete solid block, including hoisting and setting in position with cement mortar 1.3 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) Providing and laying in position specified grade of reinforced cement on nominal size) Providing and laying in position specified grade of reinforced cement 5 concrete, excluding the cost of centering, shuttering, finishing and		Thermo-Mechanically Treated bars.	486.00	Kg	₹	68.10	₹	33,096.60
Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement sturry 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. Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement sturry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete. Total Total Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. a Ordinary rock Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. a All kinds of soil. if from 1.5 m to 3.0 m from 3.0 m to 4.5 m Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1 1.36 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) Providing and laying in position setting in position with cement mortar 1:3 (1 cement 2 centering, shuttering complete: 1 1.36 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering complete: 1 1.36 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) Providing and laying in position specified grade of reinforced cement 5 concrete, excluding the cost of centering in finishing 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. Kota stone slabs 20 mm thick in risers of steps, skirling, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete. Total Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 1 10 sqm on plan), including dressing of sides and ramming of bottoms, iff upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. Cordinary rock 2 Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. a All kinds of soil. i from 1.5 m to 3.0 m Froviding and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to pinth level: Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to pinth level: 1.4.8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand); 6 graded stone aggregate 20 mm nominal size) Providing and laying in position specified grade of reinforced cement source, excluding the cost of centering, shuttering complete: a 1.3.6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) Providing and laying in position specified grade of reinforced cement occurred, excluding the cost of centering, shuttering complete: a 1.3.6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)		Thermo-Mechanically Treated bars.	4704.48	Kg	₹	68.10	₹	3,20,375.09
Kota stone slabs 20 mm thick in risers of steps, skirling, dado and pillars laid on 12 mm (average) thick cement mortar 1.3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete. Total		jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of						
pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete. Total			192.00	sqm	₹	1,141.40	₹	2,19,148.80
Septic Tank Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m 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 soils as directed, within a lead of 50 m. a Ordinary rock Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. a All kinds of soil. i from 1.5 m to 3.0 m 167.67 Cum ₹ 46.25 ₹ 7,754.68 ii from 3.0 m to 4.5 m 70.21 Cum ₹ 46.25 ₹ 3,247.31 Providing and laying in position cement concrete of specified grade 3 excluding the cost of centering and shuttering - All work up to plinth level: 11.48 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1.3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete : 13.66 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and		pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing	52.80	sqm	₹	1,191.25	₹	62,898.00
Septic Tank Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m 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 soils as directed, within a lead of 50 m. a Ordinary rock Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. a All kinds of soil. i from 1.5 m to 3.0 m 167.67 Cum ₹ 46.25 ₹ 7,754.68 ii from 3.0 m to 4.5 m 70.21 Cum ₹ 46.25 ₹ 3,247.31 Providing and laying in position cement concrete of specified grade 3 excluding the cost of centering and shuttering - All work up to plinth level: 11.48 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1.3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete : 13.66 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and			Total				₹	10 22 458 86
Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m 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 soils as directed, within a lead of 50 m. a Ordinary rock 265.13 Cum ₹ 157.50 ₹ 41,757.25 Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. a All kinds of soil. i from 1.5 m to 3.0 m 167.67 Cum ₹ 46.25 ₹ 7,754.68 ii from 3.0 m to 4.5 m 70.21 Cum ₹ 46.25 ₹ 3,247.31 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: a 1.4.8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete : a 1.3.6 (1 cement : 3 coarse sand), cost of required centering, shuttering complete : a 1.3.6 (1 cement : 3 coarse sand) centering, shuttering complete : a 1.3.6 (1 cement : 3 coarse sand), cost of required centering, shuttering complete : a 1.3.6 (1 cement : 3 coarse sand), cost of required centering, shuttering complete : a 1.3.6 (1 cement : 3 coarse sand), cost of required centering, shuttering complete; excluding the cost of centering, shuttering, finishing and								10,22, 100.00
means in foundation trenches or drains (not exceeding 1.5m 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 soils as directed, within a lead of 50 m. a Ordinary rock 265.13 Cum ₹ 157.50 ₹ 41,757.25 Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. a All kinds of soil. i from 1.5 m to 3.0 m 167.67 Cum ₹ 46.25 ₹ 7,754.68 ii from 3.0 m to 4.5 m 70.21 Cum ₹ 46.25 ₹ 3,247.31 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: a 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete: a 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and		Septic Tar	ık	•				
Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. a All kinds of soil. i from 1.5 m to 3.0 m	1	means in foundation trenches or drains (not exceeding 1.5m 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						
2 banking excavated or stacked materials. a All kinds of soil. i from 1.5 m to 3.0 m 167.67 Cum ₹ 46.25 ₹ 7,754.68 ii from 3.0 m to 4.5 m 70.21 Cum ₹ 46.25 ₹ 3,247.31	а	Ordinary rock	265.13	Cum	₹	157.50	₹	41,757.25
i from 1.5 m to 3.0 m ii from 3.0 m to 4.5 m Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : a 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete : a 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) 3 a 33.35 Cum ▼ 8,702.80 ▼ 2,90,198.35 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and	2	banking excavated or stacked materials.						
ii from 3.0 m to 4.5 m Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: a 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete : a 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) 3 graded stone aggregate 20 mm nominal size) 3 graded stone aggregate 20 mm nominal size) 3 graded stone aggregate 20 mm nominal size)	<u>a</u>		167.67	Cum	3	46.05	3	7.754.60
Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: a 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete : a 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) 3 33.35 Cum ₹ 8,702.80 ₹ 2,90,198.35 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and	<u> </u>				_			
a living the cost of centering and shuttering - All work up to plinth level: a living (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete : a living (1 cement : 3 coarse sand), cost of required centering, shuttering complete : a living (1 cement : 3 coarse sand) for graded stone aggregate 20 mm nominal size) Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and	"		10.21	34111	+`	10.20	•	0,£ 11.01
a nominal size) Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete : a 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and	3	excluding the cost of centering and shuttering - All work up to plinth level :						
block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete : a 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and	а		9.07	Cum	₹	4,301.15	₹	39,032.42
Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and	4	block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete:						
5 concrete, excluding the cost of centering, shuttering, finishing and	а		33.35	Cum	₹	8,702.80	₹	2,90,198.35
	5	concrete, excluding the cost of centering, shuttering, finishing and						

	1					
1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	10.10	Cum	₹	6,230.20	₹	62,895.85
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.	1584.96	Kg	₹	68.10	₹	1,07,936.11
Centering and shuttering including strutting, propping etc. and removal of form for :						
Suspended floors, roofs, landings, balconies and access platform.	53.21	Sqm	₹	401.65	₹	21,373.00
Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.						
20 mm cement plaster	101.43	Sqm	₹	303.60	₹	30,795.06
Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.		Kg	₹	48.15	₹	997.80
15 mm cement plaster on the rough side of single or half brick wall of mix :						
1:6 (1 cement : 6 fine sand)	76.57	Sqm	₹	172.80	₹	13,230.97
Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.						
40 mm thick with 20 mm nominal size stone aggregate	26.25	Sqm	₹	353.35	₹	9,275.44
Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design :						
With 20x20 mm square bar	9.00	Nos.	₹	275.50	₹	2,479.50
Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality						
L D - 2.5	2.00	Nos.	₹	750.00	₹	1,500.00
Rectangular shape 600x450 mm internal dimensions			+			
Providing and filling brick bats in soak pit complete.	88.31	Cum	₹	650.00	₹	57,401.50
Soak pit	Total				₹	6,89,875.23
Rain Water Harvest	l tina					
	9					
Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m 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 soils as directed, within a lead of 50 m.						
All kind of soil	34.13	cum	₹	157.50	₹	5,374.69
Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :						
1:5:10 (1 Cement : 5 coarse sand : 10 graded stone aggregate 40 mm			1			
	Nominal size) 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. Centering and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform. Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement. 20 mm cement plaster Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. 15 mm cement plaster on the rough side of single or half brick wall of mix: 16 (1 cement: 6 fine sand) Cement concrete flooring 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) as per standard design: With 20x20 mm square bar Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality LD - 2:5 Rectangular shape 600x450 mm internal dimensions Providing and filling brick bats in soak pit complete. Soak pit Rain Water Harvest Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m 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 soils as directed, within a lead of 50 m. All kind of soil	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. 1584.96 Centering and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform. 53.21 Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement. 20 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement. 20 mm cement plaster 1:0 mm cement plaster 1:0 mm cement plaster 1:0 mm cement plaster 1:0 mm cement as per manufacturer's specification. 15 mm cement plaster on the rough side of single or half brick wall of mix: 1:6 (1 cement: 6 fine sand) 76.57 Cement concrete flooring 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate 20 mm nominal size sone aggregate 20 mm nominal size) as per standard design: 9.00 Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) as per standard design: 9.00 Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality L D - 2.5 Rectangular shape 600x450 mm internal dimensions Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m 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 soils as directed, within a lead of 50 m. All kind of soil 34.13	Nominal size) 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. Centering and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform. Suspended floors, roofs, landings, balconies and access platform. Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement. 20 mm cement plaster Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. 15 mm cement plaster on the rough side of single or half brick wall of mix: 1:6 (1 cement: 6 fine sand) 76.57 Sqm Cement concrete flooring 1:2-4 (1 cement: 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including ement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3.6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) as per standard design: With 20x20 mm square bar Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality LD -2.5 Rectangular shape 600x450 mm internal dimensions Providing and filling brick bats in soak pit complete. 88.31 Cum Rain Water Harvesting Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. All kind of soil 34.13 cum	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. 1584.96 Kg Centering and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform. 53.21 Sqm Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement. 20 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement. 20 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement concrete work in doses by weight of cement as per manufacturer's specification. 15 mm cement plaster on the rough side of single or half brick wall of mix: 15 mm cement plaster on the rough side of single or half brick wall of mix: 15 mm cement plaster on the rough side of single or half brick wall of mix: 15 mm cement plaster on the rough side of single or half brick wall of mix: 16 (1 cement: 6 fine sand) 76.57 Sqm Texastrum of the same sagregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate 26.25 Sqm Texastrum of the same sagregate 27.00 No. Texastrum of the same sagregate 28.25 Sqm Texastrum of the same sagregate 29.00 No. Texastrum of the same sagregate 20 mm nominal size) as per standard design: With 20x20 mm square bar 9.00 No. Texastrum of the same of required shape and approved quality LD - 2.5 Rectangular shape 600x450 mm internal dimensions Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including dressing of sides and ramming of bottoms, lift upto 1.5 m, including dressing of sides and ramming of bottoms, lift upto 1.5 m, including dressing of sides and ramming	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. Centering and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform. 53.21 Sqm ₹ 401.65 Cement plaster 1.3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement. 20 mm cement plaster 101.43 Sqm ₹ 303.60 Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. 15 mm cement plaster on the rough side of single or half brick wall of mix: 1.6 (1 cement: 6 fine sand) 76.57 Sqm ₹ 172.80 Cement concrete flooring 1:2-4 (1 cement: 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement surry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate 26.25 Sqm ₹ 353.35 Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3.6 (1 cement: 3 coarse sand : 6 graded stone aggregate 22 mm nominal size) as per standard design: With 20x20 mm square bar 9.00 Nos. ₹ 750.00 Rectangular shape 600x450 mm internal dimensions Providing and filting brick bats in soak pit complete. 88.31 Cum ₹ 650.00 Soak pit Total Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sgm 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 soils as directed, within a lead of 50 m. All kind of soil Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:	Siteel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars. 1584.96 Kg ₹ 68.10 ₹ Centering and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform. Suspended floors, roofs, landings, balconies and access platform. Suspended floors, roofs, landings, balconies and access platform. Suspended floors of the structure of the str

2	Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete:						
а	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	14.80	cum	₹	8,702.80	₹	1,28,841.82
4	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement:						
	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	2.30	cum	₹	7,074.30	₹	16,301.73
5	Reinforcement for R.C.C. work including, straightening, cutting bending binding and placing in position complete.						
	Thermo-Mechanically Treated bars	542.68	kg	₹	68.10	₹	36,956.29
6	Centering and shuttering including strutting, propping etc. and removal of form for :						
	Suspended floors, roofs, landings, balconies and access platform.	15.36	sqm	₹	401.65		
7	15 mm cement plaster on rough side of single or half brick wall of mix :						
	1:4 (1 cement: 4 coarse sand)	51.30	sqm	₹	200.05	₹	10,262.57
8	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality 19.19.1 L D- 2.5						
	M D - 10			1_			
	Circular shape 500 mm internal diameter	3.00	nos	₹	909.25	₹	2,727.75
9	Supply and stacking of graded stone aggregate of 40-60mm size in rain Water harvesting Chamber	3.38	cum	₹	1,350.00	₹	4,556.25
10	Supply and stacking of stone chippings of 11.20mm size in Rain water harvesting chamber	4.50	cum	₹	1,350.00	₹	6,075.00
11	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineerin- charge.	2.25	cum	₹	987.85	₹	2,222.66
12	Supply and laying Nylon Mesh in Rain water harvesting Chamber as approved by Engineer In Charge	11.25	cum	₹	900.00	₹	10,125.00
	TOTAL					7	0.07.467.67
	TOTAL Boring For Borew	 ell				₹	2,37,107.25
	Borning For Borew	-					
1	Drilling of 300mm dia bore hole manually.	50.00	Rmt	₹	400.00	₹	20,000.00
2	Supply of 150mm dia slotted rigid PVC pipe (4 Kg./sqcm pressure rating) and accessories.	20.00	Rmt	₹	1,300.00	₹	26,000.00
3	Supply and fixing of nylon jali around the slotted pipes complete as required.	30.00	job	₹	3,000.00	₹	90,000.00
4	Providing and packing of pea gravel around the pipe.	4.00	cum	₹	2,000.00	₹	8,000.00
5	Transport of boring tools other required equipments and installation at site.	1.00	job	₹	5,000.00	₹	5,000.00
<u></u>							

6	Lowering of 150mm dia rigid PVC pipe in bore hole including cutting jointing etc. complete.	50.00	Rmt	₹	150.00	₹	7,500.00
			TOTAL			₹	1,56,500.00
	UNDER GROUND SUMP (50	KL) Two No) .				
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m 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 soils as directed, within a lead of 50 m.						
а	All kind of soils	206.25	Cum	₹	157.50	₹	32,484.38
2 a	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. All kind of soils	131.25	Cum	₹	46.25	₹	6,070.31
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :						
а	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	6.25	Cum	₹	4,301.15	₹	26,882.19
4	Centering and shuttering including strutting, propping etc. and removal of form for :						
а	Foundations, footings, bases of columns, etc. for mass concrete.	7.92	Sqm	₹	196.45	₹	1,555.88
b	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	153.76	Sqm	₹	360.80	₹	55,476.61
С	Suspended floors, roofs, landings, balconies and access platform.	22.89	Sqm	₹	401.65	₹	9,193.77
5	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 and 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.						
	(Note :- Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/recoverable separately).						
а	All works upto plinth level.	28.24	Cum	₹	6,296.15	₹	1,77,825.31
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.						
а	Thermo-Mechanically Treated bars.	4434.23	Kg	₹	68.10	₹	3,01,971.03
7	Providing and fixing Ist 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 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	93.67	Sqm	₹	836.65	₹	78,369.01

8	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.						
	External work						
а	80 mm dia nominal bore	9.50	М	₹	637.05	₹	6,051.98
9	Providing and fixing gun metal gate valve with C.I. wheel of approved						
<u> </u>	quality (screwed end) : 80 mm dia nominal bore	2.00	Each	₹	1 000 00	₹	2 044 20
а	oo min da nominal bore	2.00	Each	ζ.	1,920.60	<	3,841.20
10	Providing and fixing gun metal non- return valve of approved quality (screwed end):						
а	80 mm dia nominal bore						
i	Horizontal	2.00	Each	₹	2,504.30	₹	5,008.60
11	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required:						
а	80 mm nominal bore	4.00	Each	₹	995.45	₹	3,981.80
12	Providing and laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K - 9 conforming to IS: 8329:						
a	100 mm dia Ductile Iron Double Flanged	3.25	M	₹	2,564.75	₹	8,335.44
	Too him did baddio non baddio i langed	0.20	141	Ì	2,001.70		0,000.11
13	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS: 10910, on 12 mm dia steel bar conforming to IS: 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	10.00	Each	₹	311.60	₹	3,116.00
14	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality 19.19.1 L D- 2.5						
а	H D - 20						
i	Circular shape 560 mm internal diameter	3.00	Each	₹	1,511.55	₹	4,534.65
<u> </u>	for One No.		TOTAL			₹	7,24,698.00
	For Two Nos.		IOIAL			₹	14,49,396.00
							, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
<u> </u>	SUBMERSIBLE PUMP, Control Panel	l, Cables for	tubewell	ı		ı	
<u> </u>							
1	Supply and fixing / lowering of KSB make submersible pump set with 7.5 HP motar 7/10 stage pump suitable for delivery of water 5/8/12/16/20m3hrs at 50/45/37/28/16 metres head respectively	1.00	each	₹	1,00,000.00	₹	1,00,000.00
2	Supply and fixing 40 mm dia pump fittings such as clamps, elbows, sockets, unions, etc. [Market Rate]	1.00	set	₹	3,000.00	₹	3,000.00
3	Providing and fixing Submersible cable 4 sq. mm of Finolex / Aerolex make. [Market Rate]	120.00	metre	₹	130.00	₹	15,600.00

4	Supply and installation of Panel board for submersible pump fittet with DOL starter ammeter, voltmeter, single phase preventer, MCB on/off switch pump button duly wired. [Market Rate]	1.00	each	₹	9,000.00	₹	9,000.00
			TOTAL			₹	1,27,600.00
	DOOGTED DUME						
	BOOSTER PUMP						
1	Domestic Water pump 2 nos Pump model CGVM 16/4/3, 4 kw, three phase with stage chamber SS 304, Housing cover SS 304, Impeller SS 304, shaft SS 304, seals EP 851, M/Seal Wolform Carbide/Graphit, 2950 RPM, suction 50mm Discharge 50 max power cosumption 6.3 amp, IP 55 & the Flow rate of 16000 LPH at 34 mtr Head. Including Controll panel with all necessary protection,ammeter, voltmeter, phase indicating lamp, pump on indicating Lamp, dry run protection,over load protection,MCB, single phase protection etc and including sets of accessories valves, NRV's, pressure gauge.commom suction discharge header of GI for two pumps with complete system mounted on common base frame and 1 lot cabling using suitable rated cable from controll panel to motor etc. complete as per make approved and direction of Engineer In charge. [Market Rate]	1.00	No.	₹	80,000.00	₹	80,000.00
			TOTAL			7	00 000 00
			TOTAL			₹	80,000.00
	CHLORINATOR			I		l	
11	Providing and fixing Chlorinator set with all fittings i/c cables, fittings and panels and installation complete. [Market Rate]	1.00	No.	₹	50,000.00	₹	50,000.00
			TOTAL			₹	50,000.00
			IOIAL			•	30,000.00
	Pump Room						
S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT		RATE		AMOUNT
1	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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.						
а	All kinds of soil.	11.00	Cum	₹	157.50	₹	1,732.50
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m	8.00	Cum	₹	112.40	₹	899.20
3	Supplying chemical emulsion in sealed containers including delivery as specified.						
а	Chlorpyriphos/Lindane emulsifiable concentrate of 20%	28.00	Ltr	₹	185.95	₹	5,206.60
4	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion):						

			ı				
	Treatment of soil under existing floors using chemical emulsion @ one						
а	litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to						
	match the existing floor:						
i	With Chlorpyriphos/Lindane E.C. 20% with 1% concentration.	24.00	Sqm	₹	48.70	₹	1,168.80
5	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level.						
а	1:5:10 (1 Cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	3.50	Cum	₹	4,004.00	₹	14,014.00
6	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).	3.50	Sqm	₹	257.80	₹	902.30
7	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	1.00	per 50 kg cement	₹	48.15	₹	48.15
8	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :						
а	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	3.10	Cum	₹	6,230.20	₹	19,313.62
9	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with:						
а	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	6.10	Cum	₹	7,282.50	₹	44,423.25
10	Centring and shuttering including strutting, propping etc. and removal of form for :						
а	Suspended floors, roofs, landings, balconies and access platform.	27.00	Sqm	₹	401.65	₹	10,844.55
b	Lintels, beams, plinth beams, grinders, bressumers and cantilevers.	28.00	Sqm	₹	332.15	₹	9,300.20
11	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level.						
а	Thermo-Mechanically Treated bars.	660.00	Kg	₹	68.10	₹	44,946.00
12	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in :						
а	Cement mortar 1:6 (1 cement: 6 coarse sand)	4.40	Cum	₹	4,677.25	₹	20,579.90
13	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in :						
а	Cement mortar 1:6 (1 cement : 6 coarse sand)	9.00	Cum	₹	5,426.15	₹	48,835.35
14	Half brick masonry with bricks of class designation 75 in superstructure above plinth level upto floor V level						
а	Cement mortar 1:4 (1 cement: 4 coarse sand)	0.00	Sqm	₹	665.80	₹	-
	,						

Providing and fixing ISI marked flush door shutters confirming to IS: 2202 (Part-I) non-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. a 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws 2.60 Sqm ₹ 1 Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete:	,909.55		
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. a 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws 2.60 Sqm ₹ 1 Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws	,909.55		
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 2.60 Sqm ₹ 1 Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws	,909.55		
shutters. a 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws	.909.55		
a 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws 2.60 Sqm ₹ 1 Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws	.909.55		
Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws	,909.55		
Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws	,909.00	₹	4,964.83
Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws	•	۲	4,904.03
(anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws			
transparent or dyed to required colour or shade with nuts and screws			
transparent or dyed to required colour or shade with nuts and screws			
oto. compicto .			
a 300x16 mm 1.00 Each ₹	229.65	₹	229.65
4 300x10 mm	223.00		223.00
Providing and fixing aluminium tower bolts ISI marked anodised (
, , , , , , , , , , , , , , , , , , , ,			
anodic coating not less than grade AC 10 as per IS : 1868) transparent			
or dyed to required colour or shade with necessary screws etc.			
complete:			
a 250 x 10mm 1.00 Each ₹	95.25	₹	95.25
b 150 x 10mm 1.00 Each ₹	65.35	₹	65.35
Providing and fixing factory made ISI marked steel glazed doors,			
windows and ventilators side/ top/ centre hung with beading and all			
members such as K11B and K12B etc. complete of standard rolled			
steel sections, joints mitred and welded with 15x3mm lugs, 10cm long,			
embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement :			
3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with			
18 3 coalse saild : 8 graded storie aggregate 20 min norminal size) of with 107.00 Kg ₹	230.45	₹	24,658.15
or with bolts and nuts as required, including providing and fixing of			
' i i i i i i i i i i i i i i i i i i i			
hinges, pivots, float glass panes with glazing clips and special metal			
sash putty of approved make and a priming coat of approved steel			
primer; excluding the cost of metal beading and other fitting except			
necessary hinges or pivots as required as per approved design.			
Draviding and fiving Tiran frames for deers windows and ventilators of			
Providing and fixing T-iron frames for doors, windows and ventilators of			
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs			
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6		<u> </u>	1,339.20
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal	83 70	~	1,000.20
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6	83.70	<	
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal	83.70	<	
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with 16.00 Kg ▼	83.70	*	
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required 16.00 Kg	83.70	<	
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying 16.00 Kg 16.00 Kg	83.70	<	
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying 16.00 Kg 16.00 Kg	83.70	X	
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. 16.00 Kg 16.00 Kg	83.70	\	
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Supplying and fixing rolling shutters of approved make, made of	83.70	\	
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length	83.70		
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on	83.70		
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and	83.70		
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull	83.70		
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing	83.70		
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull	83.70		
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing	83.70		
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters.			
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters.	,208.45		
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters. a 80x1.25mm M.S. laths with 1.25 mm thick top cover. 0.00 Sqm ₹ 1	,208.45	₹	
mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters.			-

22	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.						
а	40mm thick with 20mm nominal size stone aggregate.	13.00	Sqm	₹	353.35	₹	4,593.55
23	Providing and fixing glass strips in joints of terrazo / cement concrete floors.						
а	40 mm wide and 4 mm thick.	15.00	M	₹	50.05	₹	750.75
24	Providing and fixing Ist quality ceramic glazed tiles conforming to IS: 15622 (thickness to be specified by the manufacture) 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 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	0.00	Sqm	₹	836.65	₹	-
25	12 mm cement plaster of mix :						
a	1:6 (1 cement : 6 fine sand)	66.00	Sqm	₹	149.45	₹	9,863.70
			- 4···				2,0000
26	15 mm cement plaster on the rough side of single or half brick wall of						
	mix:	40.00	0	-	470.00	x	0.040.00
а	1:6 (1 cement : 6 fine sand)	40.00	Sqm	₹	172.80	₹	6,912.00
27	6mm cement plaster to ceiling of mix:						
а	1:3 (1 cement : 3 fine sand)	28.00	Sqm	₹	134.70	₹	3,771.60
28	Finishing walls with water proofing cement paint of required shade :						
а	New work (Two or more coats applied @ 3.84 kg/10 sqm).	66.00	Sqm	₹	57.85	₹	3,818.10
29	Distempering with dry distemper of approved brand and manufacture (two or more coats) of required shade on new work, over and including water thinnable priming coat to give an even shade.	68.00	Sqm	₹	68.60	₹	4,664.80
20	Painting with synthetic enamel paint of approved brand and						
30	manufacture to give an even shade :						
а	Two or more coats on new work	21.00	Sqm	₹	74.40	₹	1,562.40
		TOTAL				₹	2,89,503.75
1	Cutting 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.	25000.00	100 Sqm	₹	642.00	₹	1,60,500.00
<u> </u>				l	TOTAL	₹	1,60,500.00
	CUTTING & FILLIN	NG	<u> </u>	<u> </u>			
1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift up to 1.5 m, disposed soil to be						
a	levelled and neatly dressed : All kinds of soil	25000.00	100 Square Metre	₹	5,044.15	₹	12,61,037.50

	TOTAL	-	40 64 000 00
	IOIAL	₽	12.61.038.00
		•	,0.,000.00

SUMMARY OF COST

Description			Aı	mount
1	TRANSFORMER & L.T.PANEL		Rs.	9,14,000.00
II	L.T. CABLES		Rs.	13,64,275.00
III	MISCELLANEOUS ITEMS		Rs.	15,450.00
IV	EXTERNAL LIGHTING		Rs.	26,59,590.00
		TOTAL	Rs.	49,53,315.00
		Grand Total	Rs.	49,53,315.00

SCHEDULE OF QUANTITIES OF EXTERNAL ELECTRICAL WORKS FOR K.V. Narayanpur

S.NO. DESCRIPTION OF ITEM	UNIT QTY RATE A	MOUNT
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IEAD I L.T.PANEL

Supplying, erection and commissioning of LT panel cubical type sheet steel clad floor mounted totally enclosed extensible switch board suitable for use on 415 V 3 phase 4 wire 50 c/s complete housed with incoming and outgoing bus bare including interconnection etc. with indicating lamps etc accessories complete as required and with following incoming and outgoing switchgear as per specification and schematic digram (Main L.T. PANEL)

INCOMING

- a) 400 A 4P MCCB (35 KA) 1 No.
- b) Neptune ducati make mach 30 with RB4 for metering and CTs as required purpose -1 Set

c) Indication lamps R,Y,B, -1Set.

BUS BAR

Main bus bar rated for 400A suitable fo 415 voltt three phase and neutral 50 Hz aluminium bus bar having a current density of 1.0 Amp per sq.mm and neutral bus bar of 50% capacity interconnection between bus bars and breakers shall be through solid Al. strip.

OUTGOING

a) b) C)	200A 4P MCCB (16 KA) -2 Nos. 100A 4P MCCB (35 KA) - 3 Nos. 63A 4P MCCB (35 KA) -1 Nos.	Set	1	680000	6,80,000.00
2	Earthing with tinned copper earth plate 600mm x 600mm x 6mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe complete with charcoal and salt etc as required as per technical specification.	Set	2	15000	30,000.00
3	Providing and laying tinned copper strip 38 mm x 6mm in recess for connection etc. as required.	Meter	100	1500	1,50,000.00
4	Providing and fixing tinned copper 38mm x 6mm in 50mm dia GI pipe from earth electrode as	Meter	25	2160	54,000.00

SUB HEAD I TOTAL :- 9,14,000.00

II - L.T. CABLE XLPE

Supplying and of following sizes of PVC insulated PVC sheathed armoured aluminum conductor power cable of 1.1 KV grade as required.

required, including cost of 50 GI pipe B-class.

a)	3-5x300 sq.mm.	Meter	60	2125	1,27,500.00
b)	3-5x240sq.mm.	Meter	275	1690	4,64,750.00
c)	3-5x70 sq.mm.	Meter	90	1200	1,08,000.00
d)	3-5x50 sq.mm	Meter	600	815	4,89,000.00

2	Laying and of following sizes of PVC insulated PVC sheathed armoured aluminium conductor power cable of 1.1 KV grade on the wall surface / cable / tray / trench / pipes including the cable etc as required				
a)	3-5x300 sq.mm.	Meter	65	213	13,845.00
b)	3-5x240 sq.mm.	Meter	260	213	55,380.00
c)	3-5x70 sq.mm.	Meter	90	140	12,600.00
d)	3-5x50 sq.mm	Meter	575	140	80,500.00
3	Supplying and making end termination with brass compression gland including providing and crimping with aluminum solder less lugs/ ferrules for PVC insulated PVC sheathed armoured power aluminium conductor cable of 1.1 KV grade as required.				
a)	3-5x300 sq.mm.	Set	2	1200	2,400.00
b)	3-5x240sq.mm.	Set	4	1100	4,400.00
c)	3-5x70 sq.mm.	Set	4	1000	4,000.00
d)	3-5x50 sq.mm	Set	2	950	1,900.00
		SUB HE	AD II T	OTAL:-	13,64,275.00
		000			10,01,210100
MISCELLA	ANEOUS ITEMS			· · · · ·	10,0 1,21 0100
MISCELLA 1	ANEOUS ITEMS Supplying of non-skid rubber mat 20mm thick and 900mm width as required including cutting to required lengths of approved make with test certificates for 440V L.T. switchgears.	Meter	2	6200	12,400.00
	Supplying of non-skid rubber mat 20mm thick and 900mm width as required including cutting to required lengths of approved make with test				
1	Supplying of non-skid rubber mat 20mm thick and 900mm width as required including cutting to required lengths of approved make with test certificates for 440V L.T. switchgears. Supplying and fixing of shock restoration chart written in English and Hindi duly framed in glass	Meter	2	6200	12,400.00

		SUB HE	AD III TO	OTAL:-	15,450.00
	SUB HEAD IV:EXTERNAL LIGHTING				
1	Supplying and fixing in position GI pipe 4.0M long 50mm in dia class -B with cement concrete foundation of 1:2:4: with foundation plate 300x300x6mm MS plate and provision of collar the pipe to be painted with one coat of red oxide and two coat of aluminium paint of approved shade and OKT marking including excavation in all type of soil etc. as per specification as required.	Each	10	8500	85,000.00
а	for 9 m long as per approved design	Each	42	19500	8,19,000.00
2	Supplying and fixing in position 0.5M long 50mm class -B GI pipe for mounting Gate light luminaries.	Each	6	1250	7,500.00
3	Supplying and fixing commissioning & testing fitting with 70WMH complete including supply, wiring and connection with 3x2.5sq.mm. PVC insulated standed copper conductor cable including brackets complete as required per Philips HDS 3601x MHN-TD-70	Each	55	7500	4,12,500.00
4	Supplying and fixing of 175 x 150 x 100mm MS junction box of 16SWG with hinged cover having locking arrangements complete with 15 A 2way elemex connector for looping the cables and street light fixture and one no.6 DP MCB including painting etc. as required.	Each	60	1550	93,000.00
5	Supplying & fixing 40mm dia GI pipe class-B on the pole for cable entry to junction box and sealing the ends as required.	Meter	1250	260	3,25,000.00
6	Supplying and laying of 4 core 10sq.mm PVC insulated PVC sheathed armoured underground cable on ground including excavation, sand	Meter	800	275	2,20,000.00

cushioning, b rick protection covering and refilling

the trench etc. as required.

		SUB HEAD	OT VI C	TAL:-	26,59,590.00
	a)40 A4P MCB -1No b)Time switch with contactor -1 No c)10 A SP MCB -9 Nos	Set	1	16000	16,000.00
13	Supplying, erection and commissioning of TPN DB complete with sheet steel enclosure with neutral and earth bar interconnection with following mounting as required.				
12	Extra for using charcoal & salt for GI pipe earth electrocode as required.	Set	1	2000	2,000.00
11	Earthing with GI. Pipe earth pipe 4.5m long x 40 mm including accessories and providing masorny enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or core and salt) complete as required.	Set	1	7500	7,500.00
10	Supplying & laying of 8SWG GI wire in 15mm GI pipe class - B from earth electro code to hole including excavation as required.	Set	12	120	1,440.00
9	Supplying & laying of 8SWG GI wire in ground along with PVC armoured cable as required.	Meter	1250	120	1,50,000.00
8	Supplying & making end termination with brass compression gland including providing and crumplying copper solder less lugs / ferrules for 4 core x 10sq.mm PVC insulated PVc sheathed copper conductor cable 1.1 KV grade.	Each	48	300	14,400.00
7	Supplying and laying 4 core 10 sq.mm PVC insulated sheated armoured underground cable in the exiting Hume pipe/ GI pipe/duct as required.	Meter	1350	375	5,06,250.00

SUMMARY FOR INTERNAL ELECTRICAL WORKS FOR SCHOOL BLOCK KV AT NARAYANPUR, CHATTISGARH

S.NO	DESCRIPTION	AMOUNT
1	SUB-HEAD I: INTERNAL WIRING	19,82,756.00
2	SUB-HEAD II:- DISTRIBUTION BOARDS	2,57,944.00
3	SUB-HEAD III :- WIRING FOR TELEPHONE & TV	16,820.00
4	SUB-HEAD IV:- EARTHING	1,06,280.00
5	SUB-HEAD V:- LIGHT FIXTURES & FANS	24,50,245.00
6	SUB-HEAD VI:- LIGHTNING CONDUCTOR	95,120.00
	TOTAL	49,09,165.00

SCHEDULE OF QUANTITIES FOR INTERNAL INSTALLATION ELECTRICAL WORK FOR KV AT NARAYANPUR, CHATTISGARH S.NO QTY UNIT **RATE AMOUNT DESCRIPTION** SUB-HEAD I: INTERNAL WIRING All wiring Item FRLS including provision of conduit, conduit accsories, circuit wiring, switch, box and all fitting completed as required. 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 surface / recessed medium class PVC Conduit. 1 with modular switch, modular plate, suitable GI Box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. a) Group C 950 **Point** 718.00 6,82,100.00 Wiring for twin control light point with 1.5 sg.mm FRLS PVC insulated copper condutor single core cable in surface / recessed PVC conduit 2 way modular switch, modular 2 ₹ ₹ 8 770.00 6.160.00 Point plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc as required. Wiring for light /power plug with 2x4 sq.mm FRLS PVC insulated copper conductor single core cable in surface /recessed PVC 3 ₹ 1800 162.00 ₹ 2,91,600.00 Meter conduit along with 1 No 4 sq.mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. Wiring for light /power plug with 4x4 sq.mm FRLS PVC insulated copper conductor single core cable in surface /recessed PVC 4 100 Meter 275.00 27.500.00 conduit along with 2 No 4 sq.mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. Wiring for circuit/submain wiring alongwith earth wire with the 5 following sizes of FR PVC insulated copper conductor single core cable in surface/recessed PVC Conduit as required. ₹ 106.00 | ₹ (i) 2x1.5 sq.mm + 1x1.5 sq.mm earth wire 350 Meter 37,100.00 2x2.5 sq.mm + 1 x 2.5 sq.mm earth wire 3600 Meter ₹ 131.00 | ₹ 4,71,600.00 (ii) ₹ 2 x 4 sq.mm + 1 x 4 sq.mm earth wire 100 Meter 162.00 16,200.00 (iii) 100 ₹ 22,100.00 2x6 sq.mm + 1x6 sq.mm earth wire Meter 221.00 (iv) 4x10 sq.mm + 2x10 sq.mm earth wire. ₹ 89,550.00 (v) 150 Meter 597.00 ₹ 4x16 sq.mm + 2x16 sq.mm earth wire 150 Meter 1,32,450.00 (vi) 883.00 Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing 5 90 ₹ 276.00 24,840.00 Each and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch ,connection etc as required.

6	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 15/16 and 5/6 amps modular socket outlet with shulter and 15/16 amps modular switch connection, etc as required.	50	Each	₹	303.00	₹	15,150.00
7	Supplying and fixing call bell/ buzzer suitable for single phase ,230 volts ,complete as required.	4	Each	₹	61.00	₹	244.00
8	Supplying and fixing of following sizes of medium class PVC conduit along with acessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.						
(i)	25 mm	550	Meter	₹	65.00	₹	35,750.00
(ii)	32 mm	300	Meter	₹	85.00	₹	25,500.00
(")	02 11111	000	WICKOI	+	00.00	`	20,000.00
9	Supplying and fixing 20 amps, 240 volts SPN industrial type, socket outlet with 2 pole and earth metal enclosed plug top along with 20 amps 'C' Curve, SP, MCB in sheet steel encloser on surface or in recess with chained metal cover for the socket outlet and complete with conncections, testing & commissioning etc as required.	15	Each	₹	868.00	₹	13,020.00
S.NO	DESCRIPTION	QTY	UNIT		RATE		
10	Supplying and fixing 30 amps, 415 volts TPN industrial type, socket outlet with 4 pole and earth metal enclosed plug top along with 30 amps 'C' Curve, TP, MCB in sheet steel encloser on surface or in recess with chained metal cover for the socket outlet and complete with conncections, testing & commissioning etc as required.	4	Each	₹	2,473.00	₹	9,892.00
11	Supplying & fixing 75mm x 75mm x 10 mm zinc passivated box with mould cord outlet complete with RJ 45 sockets as required for computer data point.	50	Each	₹	450.00	₹	22,500.00
12	Supplying & laying CAT 6 for LAN wiring in PVC conduit / Cable Tray complete as required.	850	Each	₹	70.00	₹	59,500.00
	SUB-HEAD I TOTAL :					₹	19,82,756.00
				1		Ì	,
S.NO	DESCRIPTION	QTY	UNIT		RATE		AMOUNT
	SUB-HEAD II:- DISTRIBUTION BOARDS, PANEL						
1	Supplying and fixing following way prewired TP & N, MCB distribution board of sheet steel for 415 volts on surface /recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FRLS PVC insulated copper condutor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isoltor).						
I	4 way (4+12) Double door	2	Each	₹	7,357.00	₹	14,714.00

	6 way (4+18) Double door	6	Each	₹	9,496.00	₹	56,976.00
	8 way (4+24) Double door	2	Each	₹	10,405.00	₹	20,810.00
	o nay (1-2-1/ Bouble door		Laci	+	10,100.00	`	20,010.00
2	Supplying and fixing following way, single pole and neutral, prewired, sheet steel, MCB distribution board, 240 volts, on surface /recess, complete with loose wire box, terminal blocks, duly prewired with suitable size FRLS PVC insulated copper condutor upto terminal blocks, tinned copper bus bar, neutral						
	link, earth bus, din bar, detachable gland plate, interconnections, powder painted including earthing etc as required. (But without MCB/RCCB/Isolator)						
	2 + 8/10 way, Double door	2	Each	₹	2,995.00	₹	5,990.00
3	Supply 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 commisioning etc.as required						
	a) Single pole	200	Each	₹	169.00	₹	33,800.00
4	Supply and fixing following rating, double pole (single phase and neutral),240 volts, RCCB having a sensitivity current upto 300 amp in the existing MCB DB complete with connection , testing and commissioning etc. as required.						
	a) 40 amps	2	Each	₹	1,714.00	₹	3,428.00
5	Supply and fixing following rating, four pole (three phase and neutral),415 volts, RCCB having a sensitivity current upto 300 amp in the existing MCB DB complete with connection , testing and commissioning etc. as required.						
	a) 63 amps	10	Each	₹	2,294.00	₹	22,940.00
6	Supplying, erection and commissioning of cubical type sheet steel clad IP52, wall / floor mounted totally enclosed LT switch board suitable or use on 415 V 3 phase 4 wire 50 cycles complete housed with incoming and outgoing bus bars including interconnection accessories with cable glands etc complete as required and with following incoming and outgoing switchgear as per specification and drawings.						
Α	INCOMING						
	125 A 4P MCCB 25KA -1 No.						
	Voltmeter 0-500V with selector switch - 1No.						
	Ameter 0-150A with selector switch \$ CTS- 1 No						
	Indicating lamp RYB - 1 Set Bus Bar						
	150A TPN Aluminium bus bar having a current density of not less than 1.0 Amp sq.mm. and the neutral bus of 50% capacity						
	interconnections between bus bars and breakers shall be through solid copper strip.						
	OUTGOING						
	63A 4P MCB 10KA - 8 Nos.						
	40A DP MCB 10KA - 2 Nos.	2	Each	₹	57 000 00	₹	1,14,000.00
	וט זיטדן - באוטו טטואו וט זיטדן.		Lauii		01,000.00	_ \	1, 17,000.00

	SUB-HEAD II TOTAL :					₹	2,57,944.00
	OOD-TIEAD II TOTAL .						2,37,344.00
S.NO	DESCRIPTION	QTY	UNIT		RATE		AMOUNT
	SUB-HEAD III :- WIRING FOR TELEPHONE POINTS						
1	Supplying and fixing of following size/modules, GI box along with modular base & cover plate for modular switches in recess						
	etc as required. a) 75 mm x 75 mm x 60 mm deep	20	Each	₹	166.00	₹	3,320.00
2	Supplying and drawing following pair, 0.5.mm dia FR PVC insulated annealed copper conductor, unarmoured telephone cable in the existing surface/ recessed steel/ PVC conduit as required.						
a)	2 Pair	450	Meter	₹	18.00	₹	8,100.00
3	Supplying and fixing following modular switch/ socket on the existing modular plate and switch box including connections but excluding plate etc .as required.						
	a) Telephone socket outlet	20	Each	₹	95.00	₹	1,900.00
4	Supplying and fixing of the following sheet steel clad wall / recess mounting telephone tag blocks of krone make constructed from 14 SWG sheet steel finished with red oxide coating of two coats of paint with hinged gasketted powder coated door and complete.						
	a) 05 pairs	2	Each	₹	1,000.00	₹	2,000.00
	b) 10 pairs	1	Each	₹	1,500.00	₹	1,500.00
	SUB-HEAD III TOTAL :					₹	16,820.00
S.NO	DESCRIPTION	QTY	UNIT		RATE		AMOUNT
	SUB-HEAD IV:- EARTHING						
1	Earthing with G.I earth plate 600 mm x 600 mm x 6 mm thick including accessories and providing masonary enclosure with cover plate having locking arrangement and watering pipe of 2.7 mtr long etc. with charoal or coke and salt as required.	2	Set	₹	4,490.00	₹	8,980.00
						₹	-
2	Providing & fixing 25mm x 5mm GI Strip in 40mm dia GI pipe from earth elecrode including connections with GI nut, bolt, spring, washer excavation and re-filling etc. as required.	150	Meter	₹	421.00	₹	63,150.00
3	Providing & fixing 25mm x 5mm GI Strip on surgace / recess for loop earthing as required.	200	Meter	₹	142.00	₹	28,400.00
4	Providing & fixing of 6 SWG dia G.I wire on surface or in recess for loop earthing along with existing surface / recessed conduit / submain wiring / cable as required.	250	Meter	₹	23.00	₹	5,750.00

	SUB-HEAD IV TOTAL:					₹	1,06,280.00
S.NO	DESCRIPTION	QTY	UNIT		RATE		AMOUNT
	SUB-HEAD V:- LIGHTING FIXTURE AND FANS						
1	Supplying of following type recessed / surface mounted fluorescent light fixture complete with electronic choke earthing point and with T5/T8/CFL/LED lamps complete as required. (HAVELLS or Equivalent)						
	a) 1x36W Mirror Optics	75	Each	₹	2,850.00	₹	2,13,750.00
	b) 2x36W Mirror Optics	265	Each	₹	3,700.00	₹	9,80,500.00
	c) 2 x 36 W FP-L Mirror Optics (2'x2')	5	Each	₹	3,600.00	₹	18,000.00
	d) 15W LED	200	Each	₹	2,500.00	₹	5,00,000.00
	e) 1x8W CFL Bulk Head	10	Each	₹	700.00	₹	7,000.00
	f) 36W LED Panel (2'x2')	5	Each	₹	7,500.00	₹	37,500.00
	g) 22W LED Tube (4')	50	Each	₹	2,500.00	₹	1,25,000.00
2	Supplying of 305 mm 1400 RPM exhaust fan complete with louver and bird guard screen with 3 core flexible wire as required.	20	Each	₹	2,950.00	₹	59,000.00
3	Supplying of ceiling fan, complete with blades with suitable length of down rods shackle insulator earthing point including connection etc . as required.						
	a) 1200 mm sweep	245	Each	₹	1,450.00	₹	3,55,250.00
4	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	610	Each	₹	91.00	₹	55,510.00
5	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.	245	Each	₹	95.00	₹	23,275.00
6	Installtion of exhasut fan up to 450 mm sweep in the existing opening, including making the hole to suit the size of the abvoe fan, making good the damage, connection testiing and commissioning etc as required	20	Each	₹	204.00	₹	4,080.00
7	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	20	Each	₹	90.00	₹	1,800.00
9	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc.as required.	245	Each	₹	284.00	₹	69,580.00
	SUB-HEAD V TOTAL:					₹	24,50,245.00

S.NO	DESCRIPTION	QTY	UNIT		RATE		AMOUNT
	SUB-HEAD VI:- LIGHTING CONDUCTOR						
1	Providing and fixing of lighting conductor finial, made of 25mm dia 300 mm long, copper tube, having single prong at top, with 85mm dia 3 mm thick copper base plate including holes etc. complete as required.	1	Each	₹	764.00	₹	764.00
2	Jointing copper / G.I tape (with another copper / G.I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	1	Each	₹	72.00	₹	72.00
3	Providing and fixing G.I tape 20 mm X 3 mm on parapet or surface of wall for lighting conductor compete as required.(for horizontal run).	650	Meter	₹	68.00	₹	44,200.00
4	Providing and fixing G.I tape 20 mm X 3 mm on parapet or surface of wall for lighting conductor compete as required.(for vertical run).	300	Meter	₹	72.00	₹	21,600.00
5	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long. With 4 nos of tinned brass bolts, nuts, check nuts and spring washers etc. complete as required.	4	Each	₹	71.00	₹	284.00
6	Providing and laying G.I. tape 32 mm X 6 mm from earth electrode directly in ground as required.	200	Meter	₹	141.00	₹	28,200.00
	SUB HEAD VI TOTAL:					₹	95,120.00

SUMMARY FOR INTERNAL ELECTRICAL WORKS FOR 04nos.TYPE-2 RESIDENCE AT KV NARAYANPUR, CHATTISGARH

S.NO	DESCRIPTION		AMT
1	SUB-HEAD I: INTERNAL WIRING	₹	3,20,081.00
2	SUB-HEAD II:- DISTRIBUTION BOARDS	₹	54,148.00
3	SUB-HEAD III:- WIRING FOR TELEPHONE & TV	₹	10,684.00
4	SUB-HEAD IV:- EARTHING	₹	67,580.00
5	SUB-HEAD V:- LIGHT FIXTURES & FANS	₹	1,48,891.00
	TOTAL	₹	6,01,384.00

SCHEDULE OF QUANTITIES FOR INTERNAL INSTALLATION ELECTRICAL WORK FOR 04nos. TYPE-2 RESIDENCES AT KV NARAYANPUR, CHATTISGARH

S.NO	DESCRIPTION	QTY	UNIT	RATE	1	AMOUNT
	SUB-HEAD I: INTERNAL WIRING					
	All wiring Item FRLS including provision of conduit,					
	conduit accsories, circuit wiring, switch, box and all					
	fitting completed as required.					
	Wiring for light point / fan point /exhaust fan point/ call bell					
	point with 1.5 sq.mm FRLS PVC insulated copper conductor					
1	single core cable in surface / recessed medium class PVC					
	Conduit, with modular switch, modular plate , suitable GI Box					
	and earthing the point with 1.5 sq.mm FRLS PVC insulated					
	copper conductor single core cable etc. as required.					
	a) Group A	95	Point	518.00	₹	49,210.0
	Wiring for twin control light point with 1.5 sq.mm FRLS PVC					
	insulated copper condutor single core cable in surface /					
0	recessed PVC conduit 2 way modular switch, modular	0	Daint	770.00	x	1 5 4 0 (
2	plate, suitable GI box and earthing the point with 1.5 sq.mm	2	Point	770.00	₹	1,540.0
	.FRLS PVC insulated copper conductor single core cable etc					
	as required.					
	Wiring for light /power plug with 2x4 sq.mm FRLS PVC					
	insulated copper conductor single core cable in surface					
3	/recessed PVC conduit along with 1 No 4 sq.mm FRLS PVC	550	Meter	162.00	₹	89,100.
	insulated copper conductor single core cable for loop					
	earthing as required.					
	Wiring for circuit/submain wiring alongwith earth wire with the					
4	following sizes of FR PVC insulated copper conductor single					
	core cable in surface/recessed PVC Conduit as required.					
(i)	2x1.5 sq.mm + 1x1.5 sq.mm earth wire	100	Meter	106.00	₹	10,600.0
(ii)	2x2.5 sq.mm + 1 x 2.5 sq.mm earth wire	650	Meter	131.00	₹	85,150.0
(iii)	2 x 4 sq.mm + 1 x 4 sq.mm earth wire	50	Meter	162.00	₹	8,100.0
(iv)	2x6 sq.mm + 1x6 sq.mm earth wire	50	Meter	221.00	₹	11,050.0
(v)	2x10 sq.mm + 1x10 sq.mm earth wire.	100	Meter	327.00	₹	32,700.0
	Supplying and fixing modular switch/ socket on the existing					
5	modular plate & switch box including connections but					
	excluding modular plate etc as required.					
	5/6 amps switch	25	Each	81.00	₹	2,025.0
	3 pin 5/6 amps socket outlet	25	Each	79.00	₹	1,975.0
	15/16 amps switch	15	Each	111.00	₹	1,665.0
	6 pin 15/16 amps socket outlet	15	Each	150.00	₹	2,250.0
	Supplying and fixing of following size/modules, GI box along					
6	with modular base & cover plate for modular switches in					
	recess etc as required.					
	3 Module (100mmx75mm)	40	Each	175.00	₹	7,000.0
	Supplying and fixing call bell/ buzzer suitable for single			<u> </u>	_	
7	phase ,230 volts ,complete as required.	4	Each	61.00	₹	244.0

8	Supplying and fixing of following sizes of medium class PVC conduit along with acessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
(i)	25 mm	150	Meter	65.00	₹ 9,750.00
(ii)	32 mm	50	Meter	85.00	₹ 4,250.00
(11)		30	Meter	00.00	7,230.00
9	Supplying and fixing 20 amps, 240 volts SPN industrial type, socket outlet with 2 pole and earth metal enclosed plug top along with 20 amps 'C' Curve, SP, MCB in sheet steel encloser on surface or in recess with chained metal cover for the socket outlet and complete with conncections, testing & commissioning etc as required.	4	Each	868.00	₹ 3,472.00
-	SUB-HEAD I TOTAL :				₹ 3,20,081.00
S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUB-HEAD II:- DISTRIBUTION BOARDS				
	OOD-FIEAD III DIG FINIDO FIGHT DOARDO				
1	Supplying and fixing following way, single pole and neutral, prewired, sheet steel, MCB distribution board, 240 volts, on surface /recess, complete with loose wire box, terminal blocks, duly prewired with suitable size FRLS PVC insulated copper condutor upto terminal blocks, tinned copper bus bar, neutral link, earth bus, din bar, detachable gland plate, interconnections, powder painted including earthing etc as required. (But without MCB/RCCB/Isolator)				
	2+8/10 Way, Double door	4	Each	2,508.00	₹ 10,032.00
2	Supply 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 commisioning etc.as required	40	Fach	400.00	3 0.700.00
	a) Single pole	40	Each	169.00	₹ 6,760.00
5	Supply and fixing following rating, double pole (single phase and neutral),240 volts,RCCB having a sensitivity current upto 300 amp in the existing MCB DB complete with connection ,testing and commissioning etc. as required.				
	a) 40 amps	4	Each	1,714.00	₹ 6,856.00
6	Supplying, erection & commissioning of single front dead back cubical panel complete with cable alleys meter compartment having 75x75x3mm thick acrylic sheet viewing windows and meter, compartment having sealing arrangement & fixing including TPN+E aluminium bus bars and all interconnection with PVC insulated copper conductor cable neon indicating lamps including providing danger plate, painting and with following switchgears etc. and with following switchgears etc. and connections crimped with DOWELS make lugs / ferrules etc. & space for DG sensing interface unit as per specification drgs as required.(Meter Boards)				

	80A 4P MCCB 16KA - 1no. As Incomer with 150A Bus Bar					
	Space for Single phase (20A - 40A 240 Volt) - 5 Nos.					
	40A DP MCB's 10KA in sheet steel enclosures -5 Nos.	1	Each	30,500.00	₹	30,500.00
	SUB-HEAD II TOTAL :				₹	54,148.00
S.NO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
	SUB-HEAD III :- WIRING FOR TELEPHONE & TV POINTS					
1	Supplying and fixing of following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required.					
	a) 75 mm x 75 mm x 60 mm deep	8	Each	166.00	₹	1,328.00
2	Supplying and drawing following pair, 0.5.mm dia FR PVC insulated annealed copper conductor, unarmoured telephone cable in the existing surface/ recessed steel/ PVC conduit as required.					
a)	2 Pair	100	Meter	18.00	₹	1,800.00
3	Supplying and fixing following modular switch/ socket on the existing modular plate and switch box including connections but excluding plate etc .as required. a) Telephone socket outlet	4	Each	95.00	₹	380.00
	a) TV outlet	4	Each	94.00	₹	376.00
			Lacii	34.00		370.00
4	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.	100	Meter	28.00	₹	2,800.00
5	Supplying and fixing of the following sheet steel clad wall / recess mounting telephone tag blocks of krone make constructed from 14 SWG sheet steel finished with red oxide coating of two coats of paint with hinged gasketted powder coated door and complete.	4	Fach	1 000 00	₹	4 000 00
	a) 05 pairs	4	Each	1,000.00	Υ.	4,000.00
	SUB-HEAD III TOTAL :				₹	10,684.00
S.NO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
	SUB-HEAD IV:- EARTHING					
1	Earthing with G.I earth plate 600 mm x 600 mm x 6 mm thick including accessories and providing masonary enclosure with cover plate having locking arrangement and watering pipe of 2.7 mtr long etc. with charoal or coke and salt as required.	2	Set	4,490.00	₹	8,980.00
					₹	

2	Providing & fixing 25mm x 5mm GI Strip in 40mm dia GI pipe from earth elecrode including connections with GI nut, bolt, spring, washer excavation and re-filling etc. as required.	100	Meter	421.00	₹	42,100.00
3	Providing & fixing 25mm x 5mm GI Strip on surgace / recess for loop earthing as required.	100	Meter	142.00	₹	14,200.00
4	Providing & fixing of 6 SWG dia G.I wire on surface or in recess for loop earthing along with existing surface / recessed conduit / submain wiring / cable as required.	100	Meter	23.00	₹	2,300.00
	SUB-HEAD IV TOTAL :				₹	67,580.00
S.NO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
	SUB-HEAD V:- LIGHTING FIXTURE AND FANS					
1	Supplying of following type recessed / surface mounted fluorescent light fixture complete with electronic choke earthing point and with TL-5 / CFL lamps complete as required. (HAVELLS / BAJAJ / WIPRO)					
	a) 1x18W CFL Dowlighter	35	Each	1,600.00	₹	56,000.00
	b) 1x28W T5 Tube	15	Each	900.00	₹	13,500.00
	c) Bracket Light	15	Each	1,000.00	₹	15,000.00
2	Supplying of 305 mm 1400 RPM exhaust fan complete with louver and bird guard screen with 3 core flexible wire as required.	12	Each	2,800.00	₹	33,600.00
3	Supplying of ceiling fan/bracket fans, complete with blades with suitable length of down rods shackle insulator earthing point including connection etc. as required.					
	a) 1200 mm ayyaan	12	Each	1,400.00	₹	16,800.00
	a) 1200 mm sweep	12	Eduli	1,400.00	`	10,000.00
4	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	65	Each	91.00	₹	5,915.00
5	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.	12	Each	95.00	₹	1,140.00
6	Installtion of exhasut fan up to 450 mm sweep in the existing opening, including making the hole to suit the size of the abvoe fan, making good the damage, connection testiing and commissioning etc as requried	12	Each	204.00	₹	2,448.00
			i	1	ı	

9	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc.as required.	Each	284.00	₹	3,408.00
	SUB-HEAD V DSR TOTAL :			₹1	,48,891.00

SUMMARY FOR INTERNAL ELECTRICAL WORKS FOR 04nos.TYPE-3 RESIDENCE AT KV NARAYANPUR, CHATTISGARH

S.NO	DESCRIPTION	AMOUNT
1	SUB-HEAD I: INTERNAL WIRING	₹ 3,35,981.00
2	SUB-HEAD II:- DISTRIBUTION BOARDS	₹ 54,148.00
3	SUB-HEAD III :- WIRING FOR TELEPHONE & TV	₹ 12,534.00
4	SUB-HEAD IV:- EARTHING	₹ 67,580.00
5	SUB-HEAD V:- LIGHT FIXTURES & FANS	₹ 1,48,891.00
	TOTAL	₹ 6,19,134.00

SCHEDULE OF QUANTITIES FOR INTERNAL INSTALLATION ELECTRICAL WORK FOR 04nos. TYPE-3 RESIDENCES AT KV NARAYANPUR, CHATTISGARH

S.NO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
	SUB-HEAD I: INTERNAL WIRING					
	All wiring Item FRLS including provision of conduit, conduit accsories, circuit wiring, switch, box and all fitting completed as required.					
1	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 surface / recessed medium class PVC Conduit, with modular switch,modular plate ,suitable GI Box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.					
	a) Group A	95	Point	518.00	₹	49,210.00
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper condutor single core cable in surface / recessed PVC conduit 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm .FRLS PVC insulated copper conductor single core cable etc as required.	2	Point	770.00	₹	1,540.00
3	Wiring for light /power plug with 2x4 sq.mm FRLS PVC insulated copper conductor single core cable in surface /recessed PVC conduit along with 1 No 4 sq.mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	575	Meter	162.00	₹	93,150.00
4	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor single core cable in surface/recessed PVC Conduit as required.					
/i)	Out Figures 1 1/4 Figures conthibities	150	Motor	106.00	=	15 000 00
(i) (ii)	2x1.5 sq.mm + 1x1.5 sq.mm earth wire 2x2.5 sq.mm + 1 x 2.5 sq.mm earth wire	150 700	Meter Meter	106.00 131.00	₹	15,900.00 91,700.00
(iii)	2 x 4 sq.mm + 1 x 4 sq.mm earth wire	50	Meter	162.00	₹	8,100.00
(iv)	2x6 sq.mm + 1x6 sq.mm earth wire	50	Meter	221.00	₹	11,050.00
(v)	2x10 sq.mm + 1x10 sq.mm earth wire.	100	Meter	327.00	₹	32,700.00
5	Supplying and fixing modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc as required.					
	5/6 amps switch	25	Each	81.00	₹	2,025.00
	3 pin 5/6 amps socket outlet	25	Each	79.00	₹	1,975.00
	15/16 amps switch	15	Each	111.00	₹	1,665.00
	6 pin 15/16 amps socket outlet	15	Each	150.00	₹	2,250.00
6	Supplying and fixing of following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required.					
	3 Module (100mmx75mm)	40	Each	175.00	₹	7,000.00
7	Supplying and fixing call bell/ buzzer suitable for single phase ,230 volts ,complete as required.	4	Each	61.00	₹	244.00

	Supplying and fixing of following sizes of medium class PVC					
8	conduit along with acessories in surface/recess including cutting					
	the wall and making good the same in case of recessed conduit as required.					
(i)	25 mm	150	Meter	65.00	₹	9,750.00
(ii)	32 mm	50	Meter	85.00	₹	4,250.00
/						,
9	Supplying and fixing 20 amps, 240 volts SPN industrial type, socket outlet with 2 pole and earth metal enclosed plug top along with 20 amps 'C' Curve, SP, MCB in sheet steel encloser on surface or in recess with chained metal cover for the socket outlet and complete with conncections, testing & commissioning etc as required.	4	Each	868.00	₹	3,472.00
	SUB-HEAD I TOTAL :				₹	3,35,981.00
S.NO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
	SUB-HEAD II:- DISTRIBUTION BOARDS					
1	Supplying and fixing following way, single pole and neutral, prewired, sheet steel, MCB distribution board, 240 volts, on surface /recess, complete with loose wire box, terminal blocks, duly prewired with suitable size FRLS PVC insulated copper condutor upto terminal blocks, tinned copper bus bar, neutral link, earth bus, din bar, detachable gland plate, interconnections, powder painted including earthing etc as required. (But without MCB/RCCB/Isolator)					
	2+8/10 Way, Double door	4	Each	2508.00	₹	10,032.00
2	Supply 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.					
	a) Single pole	40	Each	169.00	₹	6,760.00
5	Supply and fixing following rating,double pole (single phase and neutral),240 volts,RCCB having a sensitivity current upto 300 amp in the existing MCB DB complete with connection ,testing and commissioning etc. as required.					
	a) 40 amps	4	Each	1714.00	₹	6,856.00
6	Supplying, erection & commissioning of single front dead back cubical panel complete with cable alleys meter compartment having 75x75x3mm thick acrylic sheet viewing windows and meter, compartment having sealing arrangement & fixing including TPN+E aluminium bus bars and all interconnection with PVC insulated copper conductor cable neon indicating lamps including providing danger plate, painting and with following switchgears etc. and with following switchgears etc. and connections crimped with DOWELS make lugs / ferrules etc. & space for DG sensing interface unit as per specification drgs as required.(Meter Boards)					
	M.B with 5 meters					
	80A 4P MCCB 16KA - 1no. As Incomer with 150A Bus Bar					
	Space for Single phase (20A - 40A 240 Volt) - 5 Nos.					

	40A DP MCB's 10KA in sheet steel enclosures -5 Nos.	1	Each	30500.00	₹	30,500.00
	SUB-HEAD II TOTAL :				₹	54,148.00
	SOB-READ II TOTAL .				•	34,140.00
S.NO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
	SUB-HEAD III :- WIRING FOR TELEPHONE & TV POINTS					
1	Supplying and fixing of following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required.					
	a) 75 mm x 75 mm x 60 mm deep	8	Each	166.00	₹	1,328.00
2	Supplying and drawing following pair, 0.5.mm dia FR PVC insulated annealed copper conductor, unarmoured telephone cable in the existing surface/ recessed steel/ PVC conduit as required.					
a)	2 Pair	125	Meter	18.00	₹	2,250.00
3	Supplying and fixing following modular switch/ socket on the existing modular plate and switch box including connections but excluding plate etc .as required.					
	a) Telephone socket outlet	4	Each	95.00	₹	380.00
	a) TV outlet	4	Each	94.00	₹	376.00
4	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.	150	Meter	28.00	₹	4,200.00
5	Supplying and fixing of the following sheet steel clad wall / recess mounting telephone tag blocks of krone make constructed from 14 SWG sheet steel finished with red oxide coating of two coats of paint with hinged gasketted powder coated door and complete.					
	a) 05 pairs	4	Each	1000.00	₹	4,000.00
	SUB-HEAD III TOTAL :				₹	12,534.00
S.NO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
	SUB-HEAD IV:- EARTHING					
1	Earthing with G.I earth plate 600 mm x 600 mm x 6 mm thick including accessories and providing masonary enclosure with cover plate having locking arrangement and watering pipe of 2.7 mtr long etc. with charoal or coke and salt as required.	2	Set	4490.00	₹	8,980.00
2	Providing & fixing 25mm x 5mm GI Strip in 40mm dia GI pipe from earth elecrode including connections with GI nut, bolt, spring, washer excavation and re-filling etc. as required.	100	Meter	421.00	₹	42,100.00
3	Providing & fixing 25mm x 5mm GI Strip on surgace / recess for loop earthing as required.	100	Meter	142.00	₹	14,200.00

4	Providing & fixing of 6 SWG dia G.I wire on surface or in recess for loop earthing along with existing surface / recessed conduit / submain wiring / cable as required.	100	Meter	23.00	₹	2,300.00
	SUB-HEAD IV DSR :				₹	67,580.00
S.NO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
	SUB-HEAD V:- LIGHTING FIXTURE AND FANS					
1	Supplying of following type recessed / surface mounted fluorescent light fixture complete with electronic choke earthing point and with TL-5 / CFL lamps complete as required. (HAVELLS / BAJAJ / WIPRO)					
	a) 1x18W CFL Dowlighter	35	Each	1600.00	₹	56,000.00
	b) 1x28W T5 Tube	15	Each	900.00	₹	13,500.00
	c) Bracket Light	15	Each	1000.00	₹	15,000.00
2	Supplying of 305 mm 1400 RPM exhaust fan complete with louver and bird guard screen with 3 core flexible wire as required.	12	Each	2800.00	₹	33,600.00
3	Supplying of ceiling fan/bracket fans, complete with blades with suitable length of down rods shackle insulator earthing point including connection etc . as required.					
	a) 1200 mm sweep	12	Each	1400.00	₹	16,800.00
4	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	65	Each	91.00	₹	5,915.00
5	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.	12	Each	95.00	₹	1,140.00
6	Installtion of exhasut fan up to 450 mm sweep in the existing opening, including making the hole to suit the size of the abvoe fan, making good the damage, connection testiing and commissioning etc as required	12	Each	204.00	₹	2,448.00
7	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	12	Each	90.00	₹	1,080.00
9	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc.as required.	12	Each	284.00	₹	3,408.00
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