

3302

14/2/17



**കേരള സർക്കാർ
സംഗ്രഹം**

പിന്നോക്ക സമുദായ ക്ഷേമം -കേരള സംസ്ഥാന പിന്നോക്ക വിഭാഗ വികസന കോർപ്പറേഷന്റെ കൊല്ലം ജില്ലാ ഓഫീസ് കെട്ടിടം കോർപ്പറേഷന്റെ തനതു ഫണ്ടിൽ നിന്നും 198 ലക്ഷം രൂപ ചെലവഴിച്ച് നിർമ്മിക്കുന്നതിന് അനുമതി നൽകി ഉത്തരവ് പുറപ്പെടുവിക്കുന്നു.

പിന്നോക്ക സമുദായ വികസന (എ) വകുപ്പ്

സ. ഉ (സാധാ.) നം. 13/2017/പിസവിവ.

തീയതി, തിരുവനന്തപുരം, 06/02/2017

- പരാമർശം :
- 1) സ.ഉ (കൈ)നം. 360/14/റവന്യൂ തീയതി 20/08/2014.
 - 2) കേരള സംസ്ഥാന പിന്നോക്ക വിഭാഗ വികസന കോർപ്പറേഷൻ മാനേജിംഗ് ഡയറക്ടറുടെ 27/04/2016-ലെ 2758/E3/2015/KSBCDC നമ്പർ കത്ത്.

ഉത്തരവ്

കേരള സംസ്ഥാന പിന്നോക്ക വിഭാഗ വികസന കോർപ്പറേഷന്റെ കൊല്ലം ഓഫീസ് കെട്ടിടം നിർമ്മിക്കുന്നതിന് പരാമർശം 1-ലെ സർക്കാർ ഉത്തരവ് പ്രകാരം കൊല്ലം ജില്ലയിൽ കൊല്ലം താലൂക്കിൽ കൊല്ലം ഈസ്റ്റ് വില്ലേജിൽ ബ്ലോക്ക് നമ്പർ 160-ൽ റീസർവ്വെ 2-ൽപ്പെട്ട 4.05 ആർ സർക്കാർ തരിശു ഭൂമി പാട്ടത്തിന് നൽകി അനുമതി ഉത്തരവ് പുറപ്പെടുവിച്ചിട്ടുണ്ട്. Hindustan Prefab Limited എന്ന കേന്ദ്ര സർക്കാർ സ്ഥാപനം സമർപ്പിച്ച 198 ലക്ഷം രൂപയുടെ എസ്റ്റിമേറ്റ് അനുസരിച്ച് പ്രസ്തുത സ്ഥലത്ത് കെട്ടിടം പണിയുന്നതിന് കോർപ്പറേഷന്റെ 13.04.2016-ലെ 170-ാമത് ഡയറക്ടർ ബോർഡ് അംഗീകാരം നൽകിയിട്ടുള്ളതായും, ഈ സാഹചര്യത്തിൽ ടി തുക കോർപ്പറേഷന്റെ തനതു ഫണ്ടിൽ നിന്നും ചെലവിട്ട് ഓഫീസ് കെട്ടിടം പണിയുന്നതിനുള്ള ഭരണാനുമതി നൽകണമെന്ന് പരാമർശം കത്ത് മുഖേന കോർപ്പറേഷൻ മാനേജിംഗ് ഡയറക്ടർ അഭ്യർത്ഥിച്ചിരിക്കുന്നു.

സർക്കാർ ഇക്കാര്യം വിശദമായി പരിശോധിച്ചു. ഇതിന്റെ അടിസ്ഥാനത്തിൽ കേരള സംസ്ഥാന പിന്നോക്ക വിഭാഗ വികസന കോർപ്പറേഷന്റെ കൊല്ലം ജില്ലാ ഓഫീസ് കെട്ടിടം, കൊല്ലം ജില്ലയിൽ കൊല്ലം താലൂക്കിൽ കൊല്ലം ഈസ്റ്റ് വില്ലേജിൽ ബ്ലോക്ക് നം. 160-ൽ റീസർവ്വെ 2-ൽപ്പെട്ട 4.05 ആർ സർക്കാർ തരിശുഭൂമിയിൽ 'Hindustan Prefab Limited' എന്ന കേന്ദ്ര സർക്കാർ സ്ഥാപനം തയ്യാറാക്കി സമർപ്പിച്ച എസ്റ്റിമേറ്റ് (അനുബന്ധം) അനുസരിച്ച് 198 ലക്ഷം രൂപ (ഒരു കോടി തൊണ്ണൂറ്റി എട്ട് ലക്ഷം രൂപ മാത്രം) കോർപ്പറേഷന്റെ തനതു ഫണ്ടിൽ നിന്നും ചെലവിട്ട് നിർമ്മിക്കുന്നതിന് സൂചന (1)ലെ സർക്കാർ ഉത്തരവിലെ വ്യവസ്ഥകൾക്ക് വിധേയമായി അനുമതി നൽകി ഉത്തരവാകുന്നു. ഓഫീസ് കെട്ടിടം നിർമ്മാണവുമായി, ബന്ധപ്പെട്ട് പൊതുമരാമത്ത് വകുപ്പിന്റെ നിലവിലുള്ള ചട്ടങ്ങളും/മാർഗ്ഗനിർദ്ദേശങ്ങളും കൃത്യമായി പാലിക്കുന്നുണ്ടെന്ന് മാനേജിംഗ് ഡയറക്ടർ ഉറപ്പു വരുത്തേണ്ടതാണ്.

ഗവർണ്ണറുടെ ഉത്തരവിൻപ്രകാരം,
പി. സ്റ്റേഫലത,
ഗവ: ജോയിന്റ് സെക്രട്ടറി

മാനേജിംഗ് ഡയറക്ടർ, കേരള സംസ്ഥാന പിന്നോക്ക വിഭാഗ വികസന കോർപ്പറേഷൻ, തിരുവനന്തപുരം ഡയറക്ടർ, വിവര പൊതുജന സമ്പർക്ക വകുപ്പ് (വെബ്സൈറ്റിൽ പ്രസിദ്ധീകരിക്കുന്നതിനായി)

റവന്യൂ (ആ) വകുപ്പ്,
ധനകാര്യ വകുപ്പ്
സാഹസബുദ്ധ്ജനറൽ (ഓഡിറ്റ്/എ & ഇ), തിരുവനന്തപുരം. കേരളം
കമ്പ്യൂട്ടർ ഹാൽ/ഓഫീസ് കോപ്പി.

ഉത്തരവിൻ പ്രകാരം


സെക്ഷൻ ഓഫീസർ
W

HINDUSTAN PREFAB LIMITED**THYCAUD, TRIVANDRUM****Name of work : Construction of office building for Kerala State Backward
Community Development Corporation at Asramam, Kollam District.****ABSTRACT as per DSR 2014**

Sl. No	DESCRIPTION	AMOUNT
1	CIVIL WORKS	14424361.38
2	SANITARY & PLUMBING WORKS	590558.62
3	ELECTRICAL WORKS	1978021.63
	TOTAL	16992941.63
	CONTINGENCY CHARGES @2%	339858.83
	TOTAL	17332800.46
	SERVICE TAX FOR WORKS @5.80%	1005302.43
	TOTAL	18338102.88
	ADD : CONSULTANCY CHARGE @7% (Excluding the service tax for works)	1213296.03
	ADD: SERVICE TAX ON CONSULTANCY CHARGE@14.50%	175927.92
	GRAND TOTAL	19727326.84
	SAY	19800000.00

Rupees One Crore Ninety Eight Lakhs only

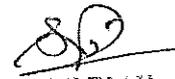
V.S. PRAMEJI
Senior Project Manager (Tech)
Hindustan Prefab Limited

HINDUSTAN PREFAB LIMITED
THYCAUD, TRIVANDRUM

Name of work : Construction of office building for Kerala State Backward Community Development Corporation at Asramam, Kollam District.

Estimate as per DSR 2014

Sl. No		Description	Units	Qty	Rate	Amount
A		CIVIL WORKS				
		EARTH WORKS				
1	2.31	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	100 m ²	600.00	642.00	3,852.00
2	2.9	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.				
a	2.93	Hard rock (blasting prohibited)	Cum	250.00	620.55	155,137.50
3	2.17	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	250.00	112.40	28,100.00
		CONCRETE WORKS				
4	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :				
a	4.1.8	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	Cum	47.00	4301.15	202,132.54
		REINFORCED CEMENT CONCRETE				
5	5.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level :				
a	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size)	Cum	50.00	6230.20	311,497.54
6	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, post and struts etc., upto floor five level excluding cost of centering, shuttering, finishing and reinforcement.				
a	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size)	Cum	150.00	7074.30	1,061,133.06


V.S. PREMJI
 Project Manager (Tech)
 Hindustan Prefab Limited

Sl. No		Description	Units	Qty	Rate	Amount
		FORM WORK				
7	5.9	Centering and shuttering including strutting propping etc. and removal of form for				
a	5.9.1	Foundations, footings, bases of columns including Grade beams etc. for mass concrete	Sqm	95.00	196.45	18,662.75
b	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	Sqm	580.00	401.65	232,955.31
c	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	Sqm	675.00	332.15	224,201.25
d	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts.	Sqm	270.00	453.35	122,404.50
e	5.7.7	Stairs, (excluding landings) except spiral-staircases.	Sqm	55.00	395.65	21,760.75
8	5.22	Steel reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete				
a	5.22.6	Thermo-Mechanically Treated bars	Kg	26595.00	68.10	1,811,119.50
9	7.1	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) at plinth level with :				
a	7.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	15.00	3918.10	58,771.50
		MARBLE & GRANITE WORK				
10	8.2	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 of approved shade, colour and texture laid over 20mm				
a		Granite of any colour and shade				
(i)	8.2.2.1	Area of slab over 0.50 sum.	Sqm	25.00	3866.00	96,650.00
11	8.3	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.				
a	8.3.2	Granite work.	RM	50.00	230.55	11,527.50
12	9.141	Providing and fixing factory made P.V.C. door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet mitred at corners and joined with 2 Nos. of 150mm long brackets of 15x15mm M.S. square tube, the vertical door	RM	85.00	611.55	51,981.75


 V.G. PUNEJI
 Senior Project Manager (Tech)
 Hindustan Prefab Limited

Sl. No		Description	Units	Qty	Rate	Amount
13	9.14	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for styles and 15x15mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make				
a	9.142.2	Decorative finish (wood grained finish)	Sqm	26.78	3222.90	86,293.15
14	9.97	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	9.97.1	300x10 mm	Each	11.00	112.10	1,233.10
15	9.1	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 :				
a	9.100.1	125 mm	Each	22.00	69.80	1,535.60
16	9.101	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.				
a	9.101.2	Twin rubber stopper	Each	11.00	83.95	923.45
17	9.84	Providing and fixing IS : 3564 marked aluminium extruded section body tubular type universal hydraulic door closer with double speed adjustment with necessary accessories and screws etc. complete.	Each	6.00	1043.60	6,261.60
		FLOORING				
18	11.2	Chequered precast cement concrete tiles 22 mm thick in footpath & courtyard jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning etc. complete on 20 mm thick bed of cement mortar 1:4 (1 cement: 4				
a	11.20.2	Medium shade using 50% white cement 50% Grey cement.	Sqm	57.00	1112.60	63,418.20
19	11.36	Providing and fixing 1st quality ceramic glazed wall 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	Sqm	185.00	836.65	154,781.92
20	11.39	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including grouting the joints with white cement and matching pigments etc., complete.	Sqm	55.00	950.05	52,252.75

Sl. No		Description	Units	Qty	Rate	Amount
21	11.41	Providing and laying polished vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete.				
a	11.41.2	Size of Tile 600x600 mm	Sqm	475.00	1405.95	667,820.91
		FINISHING				
22	13.1	12 mm cement plaster of mix :				
a	13.1.2	1:6 (1 cement : 6 fine sand)	Sqm	2550.00	149.45	381,097.50
23	13.16	6 mm cement plaster of mix :				
a	13.36.1	1:3 (1 cement : 3 fine sand)	Sqm	600.00	134.70	80,820.00
24	13.3	20 mm cement plaster of mix :				
a	13.3.2	1:6 (1 cement : 6 coarse sand)	Sqm	600.00	206.50	123,900.00
		PAINTING				
25	13.37	White washing with lime to give an even shade:				
a	13.37.1	New work (three or more coats)	Sqm	600.00	16.20	9,720.00
26	13.60	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade:				
a)	13.60.1	Two or more coats on new work	Sqm	2550.00	80.50	205,275.00
27	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade				
a)	13.47.1	New work (Two or more coats applied @ 1.43 ltr/ 10 sum. over and including base coat of water proofing cement paint applied @ 2.20 kg/ 10 sum).	Sqm	600.00	94.95	56,970.00
28	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
a)	13.61.1	Two or more coats on new work	Sqm	332.23	74.40	24,717.91
29	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	2550.00	110.95	282,922.50
		ALUMINIUM WORK				
30	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and				
a	21.1.1	For fixed portion.				
(i)	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	440.00	377.75	166,210.00
31	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately).				

Sl. No		Description	Units	Qty	Rate	Amount
a	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	150.00	435.75	196,087.50
32	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be p				
a	21.3.1	With float glass panes of 4.0 mm thickness	Sqm	75.00	828.75	62,156.25
33	21.2	Providing and fixing 12 mm thick prelaminate particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
a	21.2.2	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	Sqm	10.00	1089.75	10,897.50
		STEEL WORK				
34	10.6	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 manufactured from high tensile steel wire adequate strength conforming to IS:4454-part 1 and M.S top cover of required thickness for rolling shutters.				
a	10.6.1	80x1.25mm M.S. laths with 1.25 mm thick top cover.	Sqm	12.00	2142.10	25,705.20
35	10.7	Providing and fixing ball bearing for rolling shutter	Eachh	6.00	438.95	2,633.70
36	10.25	Steel work welded in built up sections/framed work including cutting, hoisting, fixing in position and applying a priming coat of approved brand primer using structural steel etc as required.				
a	10.25.1	In gratings, frames, guard bar, ladders, railings, brackets, gates& similar works.	Kg	1312.50	75.30	98,831.25
37	10.16	Steel work in built up tubular(round ,square or rectangular hollow tubes etc.) 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.				
a	10.16.1	Hot finished welded type tubes	Kg	5000.00	102.90	514,500.00
		Sub Total				7,688,852.45
		Add Cost Index 47.62%				3,661,431.53

Sl. No		Description	Units	Qty	Rate	Amount
		Total Schedule Items				11,350,283.98
		NON SCHEDULE ITEMS				
38	1	Supplying and filling Available excavated earth from outside , cosolidating etc complete	Cum	800.00	700.00	560,000.00
39	2	Solid block masonry in superstructure above plinth level upto floor five level using concrete block of size 40 x 20 x 15 cm / 40 x 20 x 10 cm including cost and conveyance of all materials and labour charges etc.complete.				
a	a	In Cement mortar 1:6	Cum	210.00	6300.00	1,322,987.40
40	3	Supplying and fixing Stainless steel Aldrop 300mm for internal doors	Each	11.00	750.00	8,250.00
41	4	Providing and fixing at all height false ceiling of 3mm thick P.V.C rigid foam sheet including providing and fixing of frame work made of special sections power pressed from M.S sheet and galvanised in accordance with zinc coating 350 as per IS: 277 and consisting of angle cleats of size 25mm wide x1.6mm thick with flanges of 22mm and 37mm at 1200mm center to center one flange fixed to the ceiling with dash fastener 12.5mm diax40mm long with 6mm dia bolts to the angle hanger of 25x25x0.55 mm of required length, and other end of angle hanger being fixed with nut and bolts to G.I channels 45x45x0.9mm running at the rate of 1200mm center to center to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm center to center shall be fixed in a direction perpendicular to G.I wire at every junction including fixing the P.V.C rigid form sheet with coiling section and perimeter channels 0.5mm thick 27mm nut and bolts to G.I channels 45x45x0.9mm running at the rate of				
		center to center to which the ceiling section 0.5mm thick bottom wedge of 80mm with trapered flanges of 26mm each having clips of 10.5mm at 450mm center to center shall be fixed in a direction perpendicular to G.I wire at every junction including fixing the P.V.C rigid form sheet with coiling section and perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30mm long the perimeter of ceiling fixed to wall / partition with the help of rawl plugs at 450mm center to center with 25mm long drive-all screws @230mm interval including jointing and fixing to a flush finish of the P.V.C sheet as per manufacturers specification and including the cost of making opening for light fittings, grills, diffusers, cutouts made with the frame of perimeter channels suitably fixed all complete as per drawing and specification and direction of the Engineer-in-	M2	540.00	950.00	513,000.00

Sl. No		Description	Units	Qty	Rate	Amount
42	5	Providing and fixing in position Ceramic partition in 15mm thk plain proting glass fixed with 50cmx92cm" rounded edges & other required fittings for Urinal partition for required cutting chasing etc	Nos	12.00	2070.00	24,840.00
a	a	Supplying and fixing of wood name board at in front of rooms (signages)	Each	25	1000.00	25,000.00
43	6	Designing ,fabricated ,testing, installing and fixing in position curtai wall with Aluminium composite panel cladding ,with open grooves for linear as well as curvilinear portios of the building, for all heights ad all levels etc,including,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 aluiniun composite panel clading, cleaning and protection of the curtain wall with aluminium composite panel claddig till the handig over of the building for occupation.(as per the details in the item no.26.7-DSR 2012 ,Supplement	M2	150.00	4000.00	600,000.00
44	7	Providing Roofing with Galvanium sheet 0.50mm thick, 550Mpa, AEZ150gm/Sqm including all fittings and fixtures , scaffolding etc. complete	Sqm	500.00	950.00	475000.00
45	8	Providing Ridge for the roofing using Galvanium sheet 0.50mm thick including fixtures, fittings , scaffolding etc. complete.	RM	100.00	1050.00	105000.00
		Non - Schedule Items				3,074,077.40
		TOTAL CIVIL WORKS				14,424,361.38
B		SANITARY AND PLUMBING				
		SUB HEAD VIII: SANITARY AND CP FITTINGS				
46	17.3	Providing and Fixing White Vitreous China Pedestal type Water Closet (European Type) with seat and lid 10 litre low level White vitreous China Flushing Cistern & C.P.flush bend with fittings & C.I.Brackets, 40mm flush bend, Overflow arrangement with specials of standard makes and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required with WC Pan with ISI marked Black Solid plastic seat and lid				
a	17.3.1	W.C. Pan with ISI marked Black Solid plastic seat and lid	Each	10.00	4784.60	47,846.00
47	17.1	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, wi				
a	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.	Each	2.00	3392.80	6,785.60

Sl. No		Description	Units	Qty	Rate	Amount
48	17.7	Providing and fixing Wash Basin with C.I.Brackets, 15mm C.P.Brass Pillar Taps 32mm C.P.Brass Waste of standard pattern, including painting of fittings and Brackets, cutting and making good the walls wherever required				
a	17.7.1	White Vitreous china wash basin size: 630 x 450 mm with a single 15 mm CP brass Pillar Tap	Each	8.00	2331.15	18,649.20
49	17.32	Providing and fixing Mirror of Superior Glass of approved quality and of required shape and size with plastic moulded frame of approved make and shade with 6mm thick hard board backing:				
a	17.32.4	Rectangular shape 453 x 357mm	Each	5.00	1332.45	6,662.25
50	17.69	Providing and fixing PTMT Waste Coupling for Wash Basin and Sink, of approved quality and colour				
a	17.69.2	Waste Coupling 38mm of 83mm length and 77mm breadth, weighing not less than 60gms.	Each	6.00	44.15	864.90
51	17.70	Providing and fixing PTMT Bottle Trap for Wash Basin and Sink				
a	17.70.2	Bottle Trap 38mm single piece moulded with height of 270mm, effective length of tail pipe 260mm from the centre of the Waste Coupling 77mm breadth with 25mm minimum water seal, weighing not less than 263gms.	Each	6.00	518.15	3,108.90
52	17.73	Providing and fixing PTMT Towel rail complete with brackets fix to wooden slits with cp brass screws with concealed fittings arrangement of approved quality and colour				
a	17.73.1	450mm long towel rail with total length of 495mm, 78mm wide and effective height of 88mm, weighing not less than 170gms.	Each	6.00	483.45	2,900.70
		SUB HEAD IX WATER SUPPLY				
		COLD WATER SUPPLY PIPING				
53	18.4	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4 UV stabilized				
a	18.4.2	20mm Dia PP-R, PN16 Pipe for Water supply				
		Supply, installation & commissioning	Metre	15.00	166.55	2,498.25
b	18.4.3	25mm Dia PP-R, PN16 Pipe for Water supply				
		Supply, installation & commissioning	Metre	18.00	220.75	3,973.50
		Labour / Installation / Erection:				
c	18.4.4	32mm Dia PP-R, PN16 Pipe for Water supply				
		Supply, installation & commissioning	Metre	22.00	314.80	6,925.60
		Labour / Installation / Erection:				
d	18.4.5	40mm Dia PP-R, PN16 Pipe for Water supply				
		Supply, installation & commissioning	Metre	26.00	450.15	11,703.90
		Labour / Installation / Erection:				
e	18.4.6	50mm Dia PP-R, PN16 Pipe for Water supply				
		Supply, installation & commissioning	Metre	30.00	631.35	18,940.50
		Labour / Installation / Erection:				
54	18.18	Supply, Leading to site and Installing at position Brass Ball Valves PN20 Wafer type using Male Threaded Adapters (MTA) necessary PVC flanges, gaskets, nuts and bolts complete as required				
a	18.18.3	25mm Dia				

Sl. No		Description	Units	Qty	Rate	Amount
		Supply, installation & commissioning	Each	2.00	449.95	899.90
		Labour / Installation / Erection				
55	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	Per litre	2000.00	7.25	14,500.00
56	18.49	Providing and fixing CP brass bib cock of approved quality conforming to IS standards and weighing not less than 690 gms,				
a	18.49.1	15 mm nominal bore	Each	13.00	459.50	5,973.50
57	18.51	Providing and fixing CP brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms,				
a	18.51.1	15mm nominal bore	Each	2.00	610.65	1,221.30
58	18.53	Providing and fixing CP Brass Angle valve for basin mixer and gyser points of approved quality conforming to IS:8931,				
a	18.53.1	15mm nominal bore	Each	12.00	507.70	6,092.40
59	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
a	18.52.1	15mm nominal bore	Each	24.00	619.75	14,874.00
		SOIL, WASTE AND RAIN WATER PIPING				
60	18.58	Providing and fixing PTMT grating of approved quality and colour				
a	18.58.2	Rectangular type with openable circular lid				
(i)	18.58.2.1	150mm nominal size square 100mm diameter of the inner hinged round grating	Each	6.00	150.30	901.80
61	18.65	Providing and fixing PTMT soap dish holder having length of 138 mm breadth 102 mm height of 75 mm with concealed fittings arrangements weighing not less than 106 gms	Each	6.00	164.95	989.70
		SUB HEAD X DRAINAGE				
		EXTERNAL TRENCHES, MANHOLES & TRAPS				
62	19.7	Construction of 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 20mm 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:				



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Sl. No		Description	Units	Qty	Rate	Amount
a	19.7.1	Inside size 90x80 cm and 45 cm deep including C.I cover with frame (light duty) 455x610 mm internal dimensions total weight of cover and frame to be not less than 38 Kg (weight of cover 23Kg and weight of frame 15Kg).				
(i)	19.7.1.1	With common burnt clay F.P.S.(non modular) bricks with class designation 7.5	Each	2.00	8507.00	17,014.00
63	19.7.2	Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 Kg (weight of cover 58 Kg and weight of frame 58Kg)				
a	19.7.2.1	With common burnt clay F.P.S.(non modular) bricks with class designation 7.5	Each	2.00	18304.45	36,608.90
64	19.20	Supplying and fixing C.I cover 300x300mm without frame for gully trap (standard pattern) the weight of cover to be not less than 4.5 Kg.	Each	4.00	278.40	1,113.60
65	19.32	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks of class designation 75 and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.				
(i)	19.32.1	With common burnt clay F.P.S.(non modular) bricks with class designation 7.5	Each	2.00	18309.50	36,619.00
		Sub Total				267,667.40
		Add Cost Index 47.62%				127,463.22
		Total Schedule Items				395,136.62
		NON SCHEDULE ITEM				
66	1	Providing, Fixing, Testing and commissioning at site ablation Health Spray Faucet, C.P.Flexible Hose 750mm long nozzle tube, tube holder etc.complete in all respects	Each	3.00	1100.00	3,300.00
67	2	Supply, Installation, testing & commissioning of Supreme PVC pasted pipe 6kg using Solvent Cement ISI Marked] with Heavy duty ISI Marked PVC fittings, Tees, Elbows, Bends, 'Y's etc. Adapters, Air vents, Clamping with GI UClamps as required for firmly install				
a	a	50mm OD 6KG/Sq.cm internal Waste Piping				
		Supply, installation & commissioning	Metre	20.00	315.00	6,300.00
		Labour / Installation / Erection:				
b	b	75mm OD 6KG/Sq.cm internal Waste Piping				
		Supply, installation & commissioning	Metre	25.00	540.00	13,500.00
		Labour / Installation / Erection:				
c	c	110mm OD 6KG/Sq.cm internal Soil Piping				
		Supply, installation & commissioning	Metre	28.00	650.00	18,200.00
		Labour / Installation / Erection:				
d	d	110mm OD 6KG/Sq.cm External Soil & Waste Piping				
		Supply, installation & commissioning	Metre	30.00	650.00	19,500.00
		Labour / Installation / Erection:				

Sl. No		Description	Units	Qty	Rate	Amount
e	e	160mm OD 6KG/Sq cm External Soil & Waste Piping				
		Supply, installation & commissioning Labour / Installation / Erection.	Metre	50.00	840.00	42,000.00
68	3	Multi Inlet 110MM X 63MM X 50MM Diameter 150MM Depth.				
		Supply, installation & commissioning Labour / Installation / Erection:	Each	6.00	600.00	3,600.00
69	4	Supplying and fixing Precast RCC septic tank with soak pit including the cost of earthwork excavation, filling, testing and commissioning etc.				
a	a	40 usage capacity	Each	1.00	45000.00	45,000.00
70	5	Providing and fixing white vitreous china flat back or wall corner typelipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :	Each	12.00	3669.00	44,028.00
		Total Non - Schedule Items				195,428.00
		Total for Sanitary and Plumbing work				590,558.62
C		ELECTRICAL WORKS				
		Scheduled Items				
		Wiring				
71	1.10	<i>Point wiring in P.V.C conduit, with modular type switch:</i> Wiring for light points/ fan point/ exhaust fan point/ call bell point with 1.5sq.mm FR P.V.C insulated copper conductor single core cable in surface /recessed P.V.C conduit with modular switch, modular plate, suitable G.I box and earthing the point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable etc. as required.				
(a).	1.10.3	Group C	point	130.00	718.00	93340.00
72	1.11	<i>Twin Control point wiring in P.V.C conduit, with modular type switch:</i> Twin control point wiring in PVC conduit , with modular type switch Wiring for twin control light points with 1.5 sq mm FR PVC insulated copper conductor single core cable in surface/recessed PVC conduit 2 way modular switch,modular plate. Suitable G.I box and earthing the point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable etc.	Point	4.00	770.00	3080.00
73	1.17	<i>Wiring in existing PVC conduit:</i> Supply and drawing following size of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed PVC conduit as required.				
(a).	1.17.3	2 x 1.5 sq mm + 1 x 1.5 sq mm earth wire	Metre	115.00	50.00	5750.00
(b).	1.17.12	2 x 2.5 sq mm + 1 x 2.5 sq mm earth wire	Metre	700.00	75.00	52500.00
(c).	1.17.21	2 x 4 sq mm + 1 x 4 sq mm earth wire	Metre	210.00	109.00	22890.00

Sl. No		Description	Units	Qty	Rate	Amount
74	1.18.2	Telephone wiring in existing conduit: Supply and laying 2 pair, 0.5 sq mm FRLS PVC insulated copper conductor, unarmoured telephone cable in the existing surface/ recessed steel/ PVC conduit as required.	Metre	350.00	18.00	6300.00
75	1.19	TV Cable in existing conduit: Supply 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.	Metre	60.00	28.00	1680.00
76	1.21	S/F PVC Conduit: Supplying and fixing of PVC conduit with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.				
(a).	1.21.1	20 mm	Metre	900.00	53.00	47700.00
(b).	1.21.2	25mm	Metre	350.00	65.00	22750.00
		Switches & accessories				
77	1.24	S/F modular type switch/ socket : Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc as required.				
(a).	1.24.6	Telephone socket outlet	Each	8.00	95.00	760.00
(b).	1.24.7	TV antenna Socket outlet	Each	2.00	94.00	188.00
78	1.25	S/F modular type electronic fan regulator : Supplying and fixing stepped type (5 step) electronic fan regulator on the existing modular plate and switch box excluding modular plate but including connectors etc as required.	Each	34.00	284.00	9656.00
79	1.26	S/F modular type blanking plates : Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	18.00	23.00	414.00
80	1.27	S/F modular boxes, base & cover plate : Supplying and fixing following size/ modules, GI box along with modular base cover plate for modular switches in recess etc as required.				
(a).	1.27.1	1 or 2 module (75mmx75mm)	Each	7.00	166.00	1162.00
81	1.31	S/F light plug point with modular type accessories: Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection, painting, testing etc. as required.	Each	22.00	303.00	6666.00
82	1.32	S/F Power plug point with modular type accessories: Supplying and fixing suitable size GI box modular plate and cover in front or on surface or in recess, including providing and fixing 6 pin 15/16 & 5/6 amps modular socket outlet and 15/16 amps modular switch, connection, painting etc. as required.	Each	30.00	395.00	11850.00


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Sl. No		Description	Units	Qty	Rate	Amount
83	1.34	S/F Decorative Brass holder: Supplying and fixing brass angle batten holder with decorative UPVC covering with copper links on the existing junction box/ wooden block including connection, testing etc as required.	Each	16.00	74.00	1184.00
84	1.38	S/F call bell/ buzzer: Supplying and fixing call bell/ buzzer suitable for DC/ AC single phase, 230 volts, complete as required.	Each	5.00	61.00	305.00
85	1.41	ITC fluorescent fitting directly on Ceiling : Installation testing and commissioning of pre wired, fluorescent fitting/ compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 0.5 sq.mm PVC insulated, PVC sheathed three core flexible cu cable, earthing, testing etc. as required.	Each	68.00	91.00	6188.00
86	1.44	ITC ceiling fan : Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (up to 30 cm) with 1.5 sq mm FR PVC insulated, copper conductor single core cable/ 0.5 sq.mm PVC insulated, PVC sheathed three core flexible cu cable, etc. as required.	Each	34.00	95.00	3230.00
87	1.47	S/F Extra down rod for ceiling fan: Supplying and fixing extra down rod of 10 cm length: G.I. Pipe 20 mm dia, heavy gauge including painting etc. as required. (Note :More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored).	Each	34.00	23.00	782.00
88	1.50.1	ITC exhaust fan up to 450 mm sweep : Installation of exhaust fan up to 450 mm sweep in the existing opening, including, making the hole to suit the size of the above fan, making good the damage, connection, testing ,commissioning etc. as required.	Each	9.00	204.00	1632.00
		MCB DISTRIBUTION BOARD				
89	2.2	S/F TPN MCCB : Supplying and fixing the following rating, 415 volts triple pole & neutral Moulded Case Circuit Breaker (MCCB) having breaking capacity of 16kA in the existing MCB DB complete with connections testing and commissioning etc as required.				
(a)	2.2.1	100 amps, 4 pole, 16 kA, 0 - 0.8 In	Each	1.00	3205.00	3205.00
90	2.5	S/F Vertical TPN MCB DB : Supplying and fixing following way, three pole and neutral sheet steel vertical type distribution board, 415 volts on surface /recessed complete with tinned copper busbar, neutral link, earth bar, dinbar, detachable gland plate, inter connections, phosphatized and powder painted including earthing etc as required (but with out MCB/RCCB/Isolator)				
(a)	2.5.5	8 Way Double door	Each	2.00	5641.00	11282.00


 Project Manager (C)

Sl. No		Description	Units	Qty	Rate	Amount
91	2.8	S/F Horizontal TPN Prewired MCB DB Supplying and fixing following way, three pole and neutral sheet steel prewired distribution board, 415 volts on surface /recessed complete with tinned copper busbar, neutral link, earth bar, dinbar, detachable gland plate, inter connections, phosphatized and powder painted including earthing etc as required (but with out MCB/RCCB/Isolator)				
(a)	2.8.6	6 Way (4+18) Double door, horizontal type	Each	2.00	9496.00	18992.00
92	2.9	S/F Vertical TPN prewired MCCB DB : Supplying and fixing following way, three pole and neutral sheet steel, dust protected, vertical type distribution board with 200amps busbar, 415 volts on surface /recessed complete with tinned copper busbar, neutral link, earth bar, dinbar, detachable gland plate, inter connections, phosphatized and powder painted including earthing etc as required (but with out MCB/RCCB/Isolator)				
(a)	2.9.6	6 Way Double door	Each	2.00	10204.00	20408.00
93	2.10	S/F 'C' Series, MCB : Supplying and fixing 6 amps to 32 amps rating 240/ 415 volts C series miniature circuit breaker suitable for lighting and other loads of the following poles in the existing MCB DB complete with connections testing and commissioning etc as required.				
(a)	2.10.1	Single pole	Each	68.00	169.00	11492.00
(b)	2.10.4	Triple pole	Each	4.00	696.00	2784.00
(c)	2.10.5	Triple pole and neutral	Each	4.00	887.00	3548.00
94	2.11	S/F MCB Blanking plate : Supplying and fixing single pole MCB blanking plate in the existing MCB DB etc as required.	Each	16.00	7.00	112.00
95	2.13	S/F 4P MCB Isolator : Supplying and fixing the following rating 4 pole, 415 volts Isolator in the existing MCB DB complete with connections testing and commissioning etc as required.				
(a)	2.13.1	40 amps, 4 pole	Each	4.00	659.00	2636.00
(b)	2.13.2	63 amps, 4 pole	Each	2.00	670.00	1340.00
96	2.15	S/F TPN RCCB : Supplying and fixing the following rating, 415 volts triple pole & neutral Recidual Current Circuit Breaker (RCCB) having sensivity current capacity upto100mA in the existing MCB DB complete with connections testing and commissioning etc as required.				
(a)	2.15.2	40 amps, 4 pole	Each	4.00	2123.00	8492.00
(b)	2.15.3	63 amps, 4 pole	Each	2.00	22294.00	44588.00
97	2.18	S/F 20 A SPN MCB industrial socket outlet : 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 series SP MCB in sheet steel enclosure on surface or in recess, with chained metal cover for the socket out let and complete with connection, testing and commissioning etc. as required.	Each	12.00	954.00	11448.00
		Earthing				

Sl. No		Description	Units	Qty	Rate	Amount
98	5.2	GI Pipe Earthing : Earthing with GI earth pipe 4.5 mtr long, 40mm dia, including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe, with charcoal or coke and salt etc. as required.	Set	2.00	3926.00	7852.00
99	5.6	Copper earth plate electrode : Earthing with Copper earth plate of size 600mm X 600mm X 3mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe, with charcoal or coke and salt etc. as required.	Set	2.00	9292.00	18584.00
100	9.1	S/F end termination of L.T. XLPE cables : Supply of all materials and made termination for the following PVC Insulated Armoured Aluminium L.T.Cables (AYWY / XLPE) using single compression type cadmium plated brass cable glands, Aluminium crimped type cable lugs, cable identification tags and including gland earthing using copper conductor of adequate size AL-CU strip, for termination 'of Cables etc. as required				
(a).	9.1.33	4C x 16sq.mm	Metre	4.00	245.00	980.00
(b).	9.1.34	4C x 25 sq.mm	Metre	10.00	248.00	2480.00
(c).	9.1.22	3.5C x 50 sq.mm	Metre	4.00	342.00	1368.00
101	7.1	S/L of L.T. XLPE cables in ground : Laying of one number Al XLPE insulated PVC sheathed armoured power cable direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.				
(a).	7.1.1	up to 35 sq.mm	Metre	140.00	195.00	27300.00
(b).	7.1.2	above 35Sq.mm & up to 95 sq.mm	Metre	80.00	202.00	16160.00
102	7.1	S/F L.T. cable route marker : Supply and fixing L.T. cable route marker with 10cm x 10 cm x 5mm thick G.I. plate with inscription there on, bolted / welded to 35 mm x 35 mm x 6 mm angle iron, 60cm long and fixing the same in ground etc. as required.	Each	5.00	288.00	1440.00
Combined Schedule Items						
103	1.24.4	S/F 4 nos 6A plug points with modular type accessories in combined position: Supplying and fixing suitable size G.I box modular plate and cover in front on surface or in recess, including providing and fixing 4 numbers 2/3 pin combined 5/6 amps modular socket outlet and 4 umbers 5/6 amps modular switch, connection, testing etc. as required.	Nos	15.00	974.00	14610.00
Sub Total						531108.00
Add Cost Index 47.62%						252,913.63
Total for Non schedule items						784021.63
Non Schedule Items						


 Project Manager

Sl. No		Description	Units	Qty	Rate	Amount
104	1	S/F 'C' Series, TP MCB : Supplying and fixing the following rating 415 volts C series, triple pole miniature circuit breaker suitable for lighting and other loads, in the existing MCB DB complete with connections testing and commissioning etc as required.				
(a)	a	40/63A TP	Each	8.00	1800.00	14400.00
105	2	S/F 4P MCB metal enclosure: Supply and fixing 4 way metal enclosure, on surface / recess, complete with , earth bar, din bar, detachable gland plate, inter -connections, phosphatized and powder painted including earthing etc. as required.	Each	4.00	545.00	2180.00
106	3	S/F modular type data socket (RJ45 Cat 6) : Supplying and fixing of modular type RJ-45 (Cat 6) data socket on the existing modular plate & switch box including connections but excluding modular plate etc as required.	Each	16.00	419.00	6704.00
107	4	S/F 12 mm steel 'S' type fan hook : Supply and providing 12 mm dia steel 'S' type fan hooks, on the RCC roof, making good the damages of roof etc. as required	Each	34.00	120.00	4080.00
108	5	Supply of 1x36W decorative box type FTL fittings: Supply of 1 x 36 watts box type flourescent tube lamp (FTL) with precoated CRCA sheet steel housing wired with commercial HF ballast, decorative end caps, complete with all accessories and one number 36 watts tube etc. as per the direction of engineer in charge as required.	Each	35.00	775.00	27125.00
109	6	Supply of 3x36W low glare mirror optic CFL fittings : Supply of 3 x 36 watts recessed mounting type low glare Compact Flourescent Lamp (CFL) mirror optic luminaire with powder coated CRCA sheet steel housing with square paralite P5 louver block in a perforated metallic frame complete with all accessories and 3 numbers 36 watts 'L' type CF lamps etc. as per the direction of engineer in charge as required.	Each	25.00	6075.00	151875.00
110	7	Supply of 2x11W mirror optic CFL : Supply of 2 x 11W mirror optic surface/ recess mounting type compact flourescent lamp (CFL) fittings with white powder coated CRCA sheet steel housing, aluminium mirror reflector, including all accessories and 2 Nos 11watts 'S' type CF lamps etc. as per the direction of engineer in charge as required.	Each	10.00	2340.00	23400.00
111	8	Supply & fixing of 18W CFL mirror light fittings : Supply & fixing of 18 watts compact flourescent lamp (CFL) mirror light fittings with white powder coated CRCA sheet steel housing with opal acrylic diffuser and decorative end plates, complete with all accessories and one number 18watts 'L' type CF lamp etc. as per the direction of engineer in charge as required.	Each	4.00	1660.00	6640.00

Sl. No		Description	Units	Qty	Rate	Amount
112	9	SITC of 2x36W CFL outdoor fittings : Supply, installation, testing and commissioning of 2 x 36 watts, CFL lamp fittings of epoxy black powder coated sheet steel housing, with epoxy white powder coated CRCA sheet steel gear tray, clear acrylic cover, aluminium reflector with complete accessories with two numbers 36W CFL lamp etc, including supply of suitable size class- B G. I. pipe (2 m), top of the pipe bend to required angle and provision for fixing the CFL lamp fitting, painting with 2 coats of white colour paint, over a coat of primer, fixing on the wall by using suitable G.I. clamp and giving connections using required length of 2.5 sq.mm PVC insulated and sheathed 3 core round flexible copper wire, etc. as per the direction of engineer in charge as required.	Nos	10.00	4250.00	42500.00
113	10	Supply of 1200mm Ceiling Fan : Supply of 1200 mm sweep Electric Ceiling Fan, White Colour, capacitor type with double ball bearing, shackles, down rod, canopies, blades suitable for operation on 220/ 240V, 50 Hz, single phase AC supply conforming to IS - 374 / 1979 class I (without regulator) high speed, etc. as per direction of engineer in charge as required.	Each	34.00	2124.00	72216.00
114	11	Supply of 305mm Exhaust Fan with front guard : Supply of 305 mm sweep, 1400 rpm heavy duty exhaust fan with front guard, working on 230 V AC supply, etc. as per the direction of engineer in charge as required.	Each	8.00	2950.00	23600.00
115	12	Supply of Al XLPE armoured power cable : Supply of following size heavy duty XLPE insulated and PVC sheathed armoured power cable, conductors of best conductivity aluminium, 1.1 KV grade, conforming to IS 7098 (part-I) etc, as required.				
(a).	a	4C x 16sq.mm	Metre	25.00	224.00	5600.00
(b).	b	4C x 25 sq.mm	Metre	90.00	242.00	21780.00
(c).	c	3.5C x 50 Sq.mm	Metre	60.00	357.00	21420.00
116	13	S/L of Cat 6 4 pair UTP Ethernet cable : Supply and laying CAT6 4Pair UTP Ethernet Cable using PVC Conduits maintaining proper clearances for the entire route as per specifications.	Metre	550.00	154.00	84700.00
117	14	S/F Krone box/ Telephone DB : Supply and fixing of lockable, syntax or PVC telephone terminal Box for 2 pair telephone cables, dust tight and vermin proof. The work should also include supply of all materials and termination of two pair telephone wires & incoming Telephone cable etc. as required.	Each	1.00	800.00	800.00
118	15	S/F RJ 45 (Cat 6) Data cable termination Box : Supply and fixing of 12U powder coated GI server rack with port switch, spike, system tray & necessary patch codes with lockable acrylic front door, including power plugs, termination & testing etc. as required.	Each	2.00	25540.00	51080.00

Sl. No		Description	Units	Qty	Rate	Amount
119	16	<i>S/F of stainless steel hanging chain</i> Supply & fixing of stainless steel hanging chains for hanging the light fixtures from tress work etc. as per the direction of engineer in charge as required.	mtr	15.00	4700.00	700.00
120	17	<i>S/F bare Cu wire for loop earth</i> : Supply and laying one number of the following SWG good quality bare copper wire on surface for loop earthing along with existing XLPE insulated aluminium cable as required.				
(a).	a	10 SWG Cu	Metre	175.00	80.00	14000.00
121	18	<i>S/L 25mm X 3mm Copper strip on ground</i> : Supplying and laying 25 mm X 3 mm Copper strip, as earth conductor, 0.5 mtr below the ground level, including soldering, jointing surface must be lead plated and using brass nut & bolts, etc. as required.	Metre	75.00	680.00	51000.00
122	19	<i>SITC of KSEB Meter board</i> : Fabrication, supply, Installation, testing & commissioning one number cubicle type energy meter board made out of 2mm thick MS sheet, Powder coated, including provision for fixing KSEB 3phase energymeter with CT's, providing & fixing of 3nos 100A cut out fuses, 3nos 100/5A class 1.0, 15VA CT's & control fuse, phase indication lamps and one number 100A 4P SDF with HRC and provision for locking the incoming & Metering section and terminating 3.5x 50sq. mm AL XLPE cable for incoming and outgoing side, including CT testing etc, as required.	Nos	1.00	35500.00	35500.00
123	20	<i>SITC of 2TR Split Airconditioner with stabilizer</i> : Supplying, installation, testing & commissioning of 2TR split Airconditioners suitable for single phase, 50Hz, 230 volts, A/C supply with hermetically sealed compressor with air cooled condenser, motor capacitor start run, capacitors relay and over load protector interconnections including all accessories and remote with special purpose A/C stabilizers, etc as required.	Each	10.00	50000.00	500000.00
		MISCELLANEOUS ITEMS.				
124	21	<i>S/F DCP fire extinguisher (4kg)</i> : Supply and Installation of 4kg Dry Chemical Powder type (DCP) fire extinguishers having ISI mark along with mounting supports etc. as required.	Each	2.00	3850.00	7700.00
125	22	DOCUMENTS & APPROVAL. Preparation of necessary forms, documents drawings etc. and procuring approval from Kerala state Electricity Board. all expenses except statutory charges shall be met by contractor	Lum	1.00	25000.00	25000.00
		Total for Non schedule items				1194000.00
		Total Electrical Works				1978021.63
		GRAND TOTAL				16,992,941.63

HINDUSTAN PREFAB LIMITED
THYCAUD, TRIVANDRUM

Name of work : Construction of office building for Kerala State Backward Community Development Corporation
at Asramam, Kollam District.

Sl. No	Description	No	Length	Breadth	Depth	Qty	Units
1	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	1				600.00	M ²
2	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	Hard rock (blasting prohibited)						
	For Footing	22	2.30	2.30	1.50	174.57	
	For plinth beam main building	1	132.00	0.70	0.60	55.44	
	Add extra for step					19.99	
					Total	250.00	M ³
CONCRETE WORKS							
3	P.C.C 1:4:8 mix using 40mm aggregate						
	For Footing	22	2.10	2.10	0.10	9.70	
	For plinth beam bottom	1	132.00	0.50	0.10	6.60	
	GF floor area	1	219.13		0.10	21.91	
	Plinth protection	1	62.00	1.50	0.10	9.30	
	Deduction wall area	1	132.00	0.20	0.10		2.64
	Add extra for step					2.12	
					Total	49.64	2.64
						47.00	M ³
4	RCC in 1:1.5:3 up to Plinth						
	For Footing	22	1.90	1.90	0.30	23.83	
	Second step	22	0.70	0.70	0.35	3.77	
	For plinth beam	1	132.00	0.30	0.45	17.82	
	Pedastal	22	0.30	0.45	0.70	2.08	
	Add extra for					2.50	
						50.00	
						50.00	M ³
5	RCC in 1:1.5:3 above Plinth						
	For GF column	22	0.30	0.45	3.60	10.69	
	Lintel	1	132.00	0.20	0.20	5.28	
	For beam	1	132.00	0.25	0.45	14.85	
	Slab	1	19.00	12.80	0.12	29.18	
		1	2.23	7.11	0.12	1.90	
		1	2.47	4.30	0.12	1.27	
	For FF column	22	0.30	0.45	3.60	10.69	
	Lintel	1	132.00	0.20	0.20	5.28	
	For beam	1	132.00	0.25	0.45	14.85	



Project No:

Sl. No	Description	No	Length	Breadth	Depth	Qty	Units
	Slab	1	19.00	12.80	0.12	29.18	
		1	2.23	7.11	0.12	1.90	
		1	2.47	4.30	0.12	1.27	
	For SF column	8	0.30	0.45	2.60	2.81	
	Lintel	2	14.00	0.20	0.20	1.12	
	For beam	2	14.00	0.25	0.45	3.15	
	Slab	1	4.50	3.10	0.12	1.67	
	Stair GF and FF	4	8.40	1.80	0.20	12.10	
	Step GF and FF	48	1.80	0.30	0.08	1.94	
	Add extra for rack					0.84	
					Total	150.00	
						150.00	M ³
6	Centering and shuttering including strutting, propping etc. and removal of form for :						
a	Foundations, footings, bases of columns including Grade beams etc. for mass concrete						
	For Footing	22	7.60		0.30	50.16	
	Second step	22	2.80		0.30	18.48	
	Pedastal	22	1.50		0.70	23.10	
	Add extra for step					3.26	
						95.00	
						95.00	M2
b	Suspended floors, roofs, landings, balconies and access platform.						
	GF Slab	1	19.24	13.04		250.89	
		1	2.35	7.23		16.99	
		1	2.60	4.42		11.49	
	FF Slab	1	19.24	13.04		250.89	
		1	2.35	7.23		16.99	
		1	2.60	4.42		11.49	
	Slab	1	4.74	3.34		15.83	
	Add extra					5.42	
					Total	580.00	
						580.00	M2
c	Lintels, beams, plinth beams, girders, bressumers and cantilevers.						
	Plinth beam	1	132.00		1.20	158.40	
	Lintel GF	1	132.00		0.60	79.20	
	For beam	1	132.00		1.15	151.80	
	Lintel FF	1	132.00		0.60	79.20	
	For beam	1	132.00		1.15	151.80	
	Lintel	2	14.00		0.60	16.80	
	For beam	2	14.00		1.15	32.20	
	Add extra					5.60	
					Total	675.00	
						675.00	M2

Sanjay Kumar
 Senior Engineer
 P. No. 1234

Sl. No	Description	No	Length	Breadth	Depth	Qty	Units
d	Columns, Pillars, Piers, Abutments, Posts and Struts.						
	For GF column	22	1.50		3.60	118.80	
	For FF column	22	1.50		3.60	118.80	
	For SF column	8	1.50		2.60	31.20	
	Add extra					1.20	
					Total	270.00	
						270.00	M2
e	Stairs, (excluding landings) except spiral-staircases.						
	Flight	2	3.40		1.80	12.24	
	Sides	2	3.40		0.15	1.02	
	Steps	22	1.80		0.15	5.94	
	Landing	1	3.20		1.80	5.76	
	Flight	2	3.40		1.80	12.24	
	Sides	2	3.40		0.15	1.02	
	Steps	22	1.80		0.15	5.94	
	Landing	1	3.20		1.80	5.76	
	Add extra					5.08	
					Total	55.00	
						55.00	M2
7	Reinforcement Steel						
a	For Foundation + super structure	1	197.00	135.00		26595.00	KG
8	RR Masonry in CM 1:6						
	For steps					15.00	M3
	Add extra						
9	Granite						
	For step					25.00	
						25.00	M ²
10	Bewelling edge Granite						
	For step	1	20.00			50.00	
						50.00	RM
11	PVC Frame						
	Toilet door D2	17	5.00			85.00	RM
12	PVC shutters						
	Toilet door D2	17	0.75		2.10	26.78	
						26.78	M ²
13	Aluminum Tower bolt						
a	300x10mm	11	1.00			11.00	Nos.
14	Aluminum Handle	11	2.00			22.00	Nos.
15	Alumium Door Stopper						
	Twin washer	11	1.00			11.00	Nos.
16	Providing and fixing IS : 3564 marked aluminium extruded section body tubular type universal hydraulic door closer with double speed adjustment with necessary accessories and screws etc. complete.					6.00	Nos.
17	Chequered tile						



Project Manager (T&E)
 Hyderabad Project Office

Sl. No	Description	No	Length	Breadth	Depth	Qty	Units
	Plinth protection	1	62.00	0.90		55.80	
	Add extra					1.20	
						57.00	
						57.00	M ²
18	Ceramic tile wall						
	GF Toilets	9	5.26	1.80		85.21	
	" " Passage	1	9.66	1.80		17.39	
	" " D2	9	0.80	1.80			12.96
	GF Toilets	8	5.26	1.80		75.74	
	" " Passage	1	9.66	1.80		17.39	
	" " D2	8	0.80	1.80			11.52
						2.23	
						197.96	12.96
	Total					185.00	M²
19	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including grouting the joints with white cement and matching pigments etc., complete.					55	M2
20	Providing and laying polished vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete.						
	Size of Tile 600x600 mm						
	GF entrance hall	1	8.70	12.20		106.14	
		1	2.97	4.23		12.56	
	Cabin	1	3.50	4.20		14.70	
	Manager room	1	4.91	5.58		27.40	
	Stair bottom	1	5.90	4.56		26.90	
	Passage	1	3.55	1.40		4.97	
	Steps	22	1.80	0.45		17.82	
	Landing	1	3.20	1.80		5.76	
	Steps	22	1.80	0.45		17.82	
	Landing	1	3.20	1.80		5.76	
	FF hall	1	6.76	14.28		96.53	
	launge	1	5.57	5.90		32.86	
	" "	1	5.57	3.95		22.00	
	Stair bottom	1	5.90	4.56		26.90	
	Passage	1	3.55	1.40		4.97	
	Steps	22	1.80	0.45		17.82	

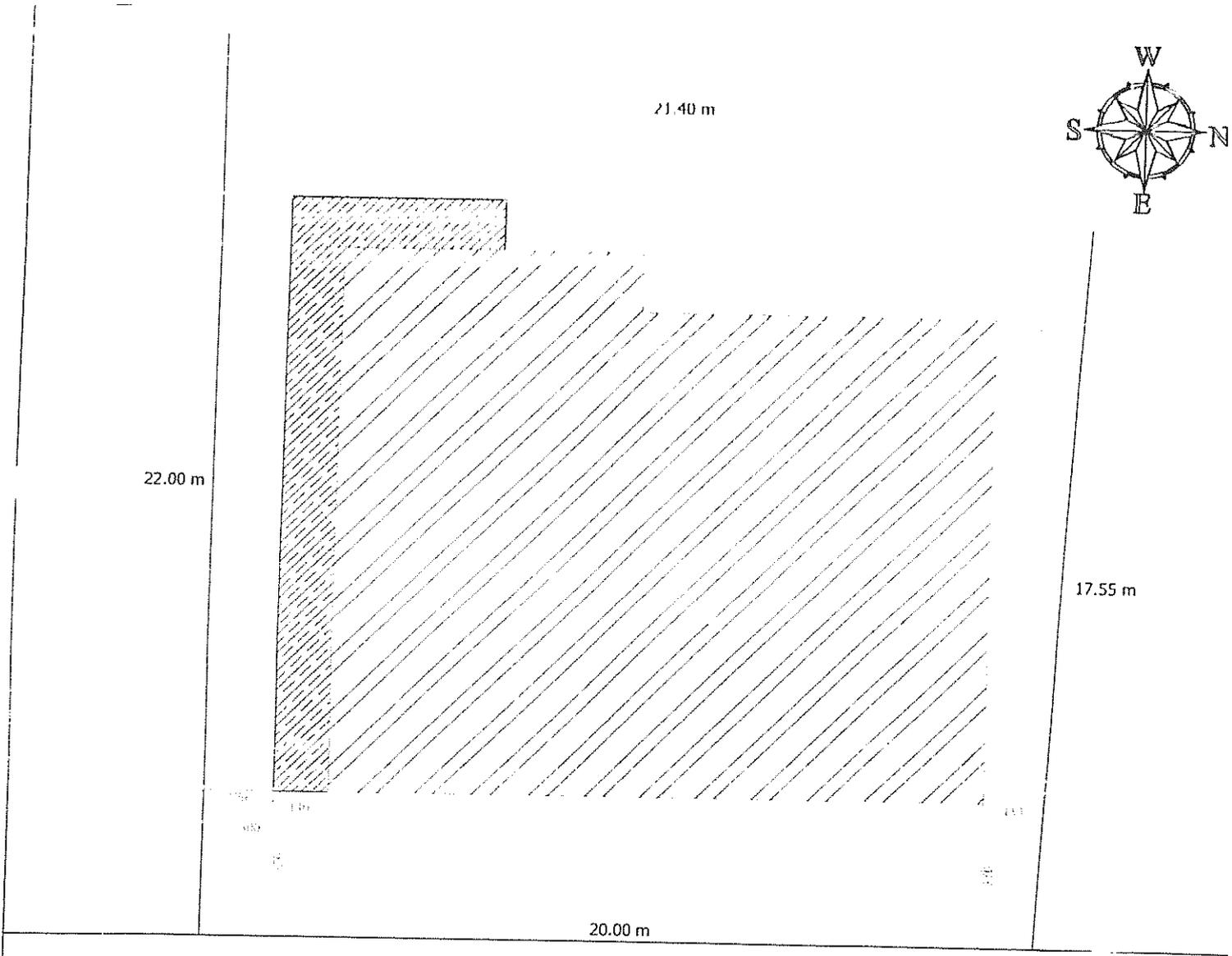
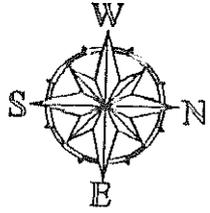
Sl. No	Description	No	Length	Breadth	Depth	Qty	Units
	Landing	1	3.20	1.80		5.76	
	Steps	22	1.80	0.45		17.82	
	Landing	1	3.20	1.80		5.76	
	Add extra					4.73	
						475.00	
						475.00	M ²
21	12 mm cement plaster of mix :						
a	1:6 (1 cement : 6 fine sand)						
	GF entrance hall	1	41.80	3.60		150.48	
		1	14.40	3.60		51.84	
	Cabin	1	15.40	3.60		55.44	
	Manager room	1	20.98	3.60		75.53	
	Stair bottom	1	20.92	3.60		75.31	
	Passage	1	9.90	3.60		35.64	
	Steps	22	4.50	3.60		356.40	
	Landing	1	10.00	3.60		36.00	
	Steps	22	4.50	3.60		356.40	
	Landing	1	10.00	3.60		36.00	
	FF hall	1	42.08	3.60		151.49	
	launge	1	22.94	3.60		82.58	
	" "	1	19.04	3.60		68.54	
	Stair bottom	1	20.92	3.60		75.31	
	Passage	1	9.90	3.60		35.64	
	Steps	22	4.50	3.60		356.40	
	Landing	1	10.00	3.60		36.00	
	Steps	22	4.50	3.60		356.40	
	Landing	1	10.00	3.60		36.00	
	GF Toilets	9	5.26	1.80		85.21	
	" " Passage	1	9.66	1.80		17.39	
	Deduction door	11	1.00	2.10			23.10
	" " window	24	1.50	1.50			54.00
	" " D2	9	0.80	1.80			12.96
	GF Toilets	8	5.26	1.80		75.74	
	" " Passage	1	9.66	1.80		17.39	
	" " D2	8	0.80	1.80			11.52
	Add extra					28.44	
						2651.58	101.58
						2550.00	M ²
22	Wall painting with plastic emulsion paint of approved brand & manufacture to give an even shade.						
a)	two or more coats on new work					2550.00	M ²
23	6 mm cement plaster of mix :						
a	1:3 (1 cement : 3 fine sand)					600	M ²
24	20 mm cement plaster of mix :						
a	1:6 (1 cement : 6 coarse sand)					600	M ²
25	White washing with lime to give an even shade:						
a	New work (Three coats)					600	M ²

Project Manager (Civil)
M/s. J. S. Prabhu & Co.

Sl. No	Description	No	Length	Breadth	Depth	Qty	Units
26	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade						
	New work (Two or more coats applied @ 1.43 ltr/ 10 sum. over and including base coat of water proofing cement paint applied @ 2.20 kg/ 10 sum).					600	M ²
27	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :						
a	Two or more coats on new work						
	Door D grill	11	1.00	2.10	1.00	23.10	
	Window	25	1.50	1.50	1.00	56.25	
	Collapsible door	2	2.35	3.60	1.50	25.38	
	roof top	1	19.00	17.00	0.5	161.50	
	Add extra					66.00	
						Total	
						332.23	
						332.23	M2
28	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.						
						2550.00	M ²



Senior Project Manager (Test)
Hindustan Prefab Limited



PATHWAY 4.50m Width

ROAD 9.70m Width

(Signature)
 V.K. PREMJI
 Senior Project Manager (T...)
 Hindustan Prefab Ltd.

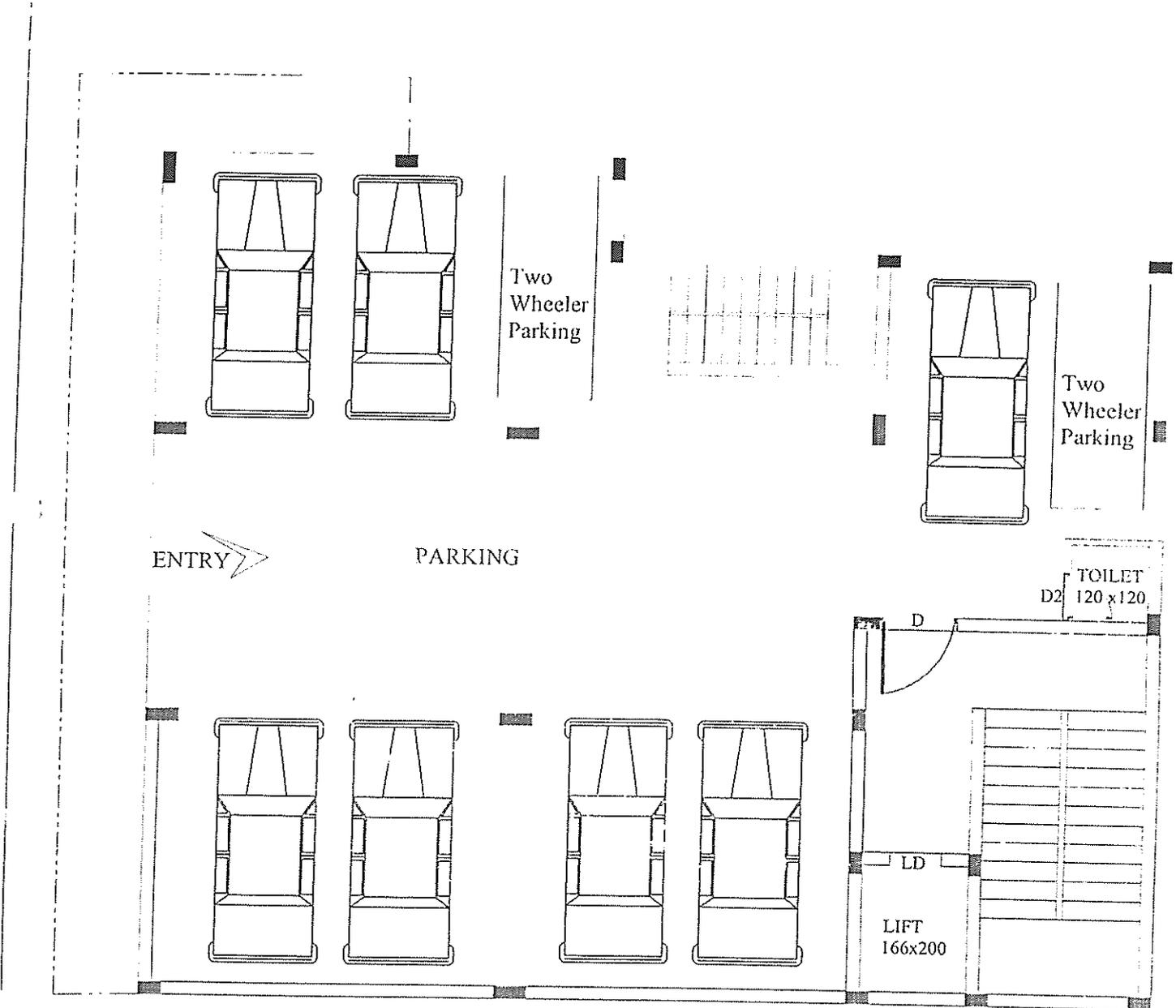
SITE PLAN

EXTENT : 10 CENTS (ie) 404.80 Sqm.



Hindustan Prefab Limited
Thycaud, Trivandrum

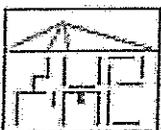
PROJECT :
OFFICE BUILDING FOR KSBCDC @ KOLLAM



BASEMENT FLOOR PLAN

PLINTH AREA - 195.68 Sqm (ie) 2106 Sqft.

Sl no.	Floor	Plinth Area
1	Basement Floor	195.68 Sqm
2	Ground Floor	219.13 Sqm
3	First Floor	219.13 Sqm
4	Terrace Floor	37.46 Sqm
	Total Area	671.40 Sqm
		(ie) 7224 Sqft.

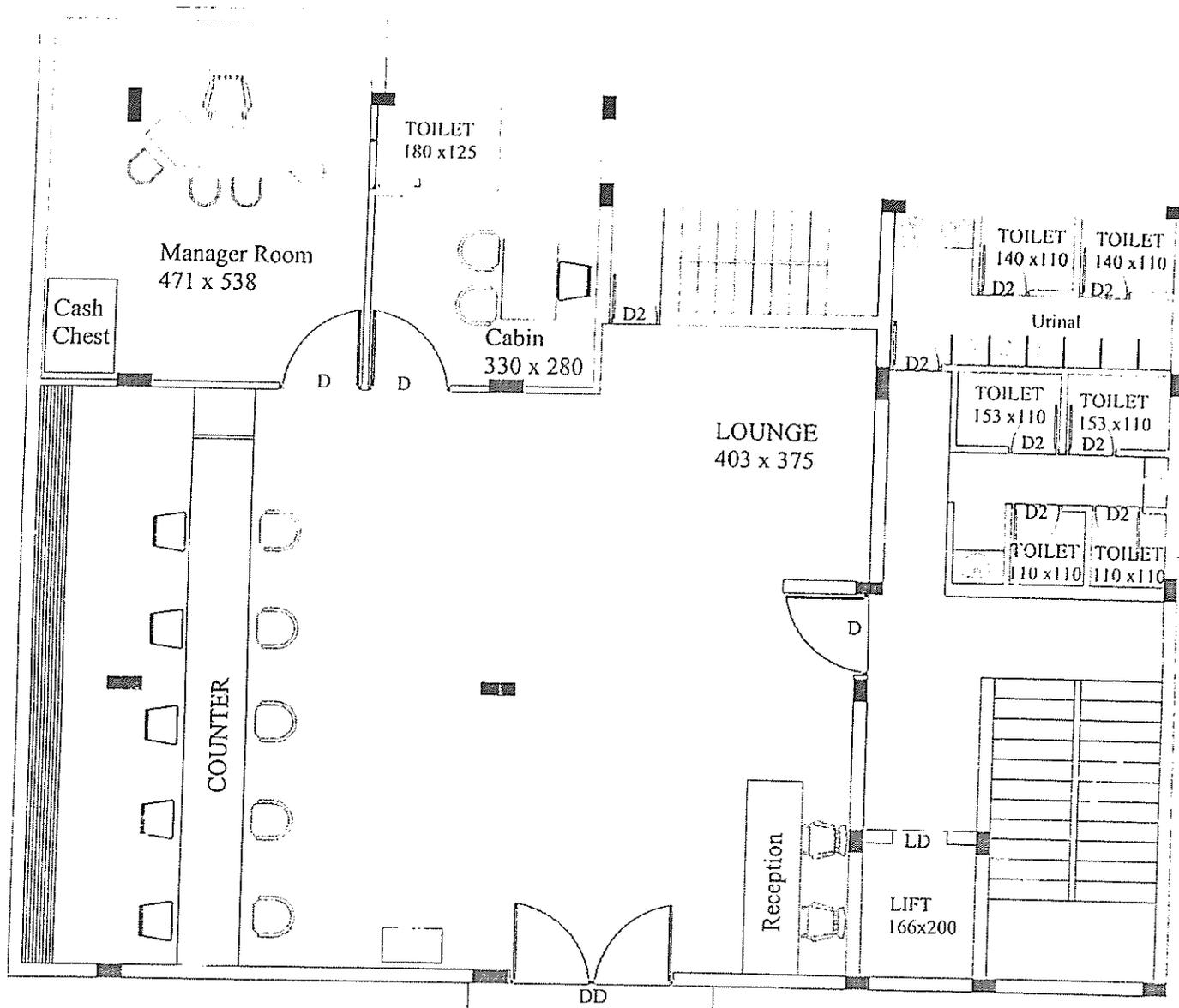


Hindustan Prefab Limited
Thycaud, Trivandrum

PROJECT :

OFFICE BUILDING FOR KSBDC @ KOLLAM

[Signature]
V.S. PRASAD
Project Manager



GROUND FLOOR PLAN

PLINTH AREA - 219.13 Sqm (ie) 2358 Sqft.

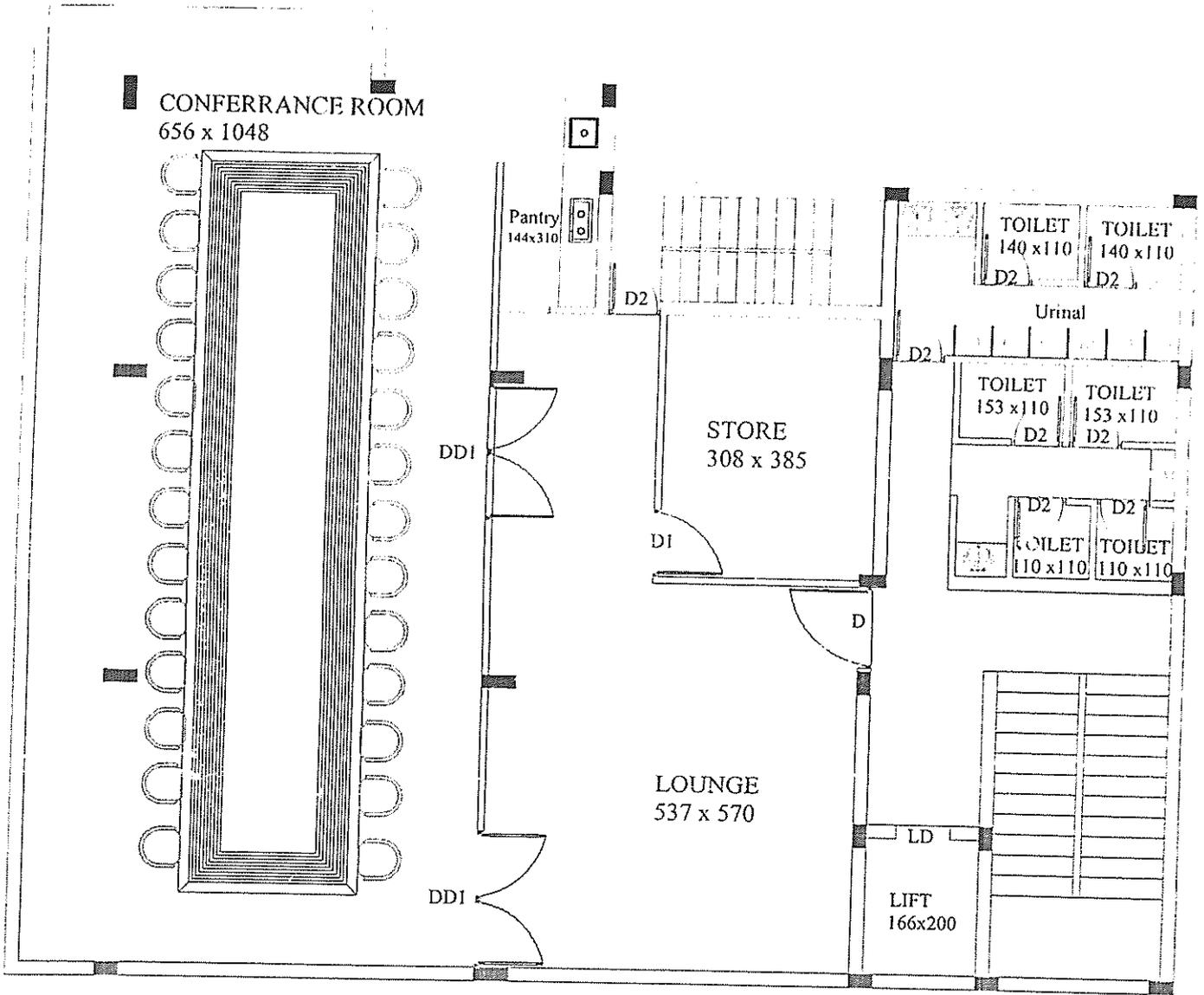


Hindustan Prefab Limited
 Thycaud, Trivandrum

PROJECT :
OFFICE BUILDING FOR KSBDC @ KOLLAM

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FIRST FLOOR PLAN

PLINTH AREA - 219.13 Sqm (ie) 2358 Sqft.

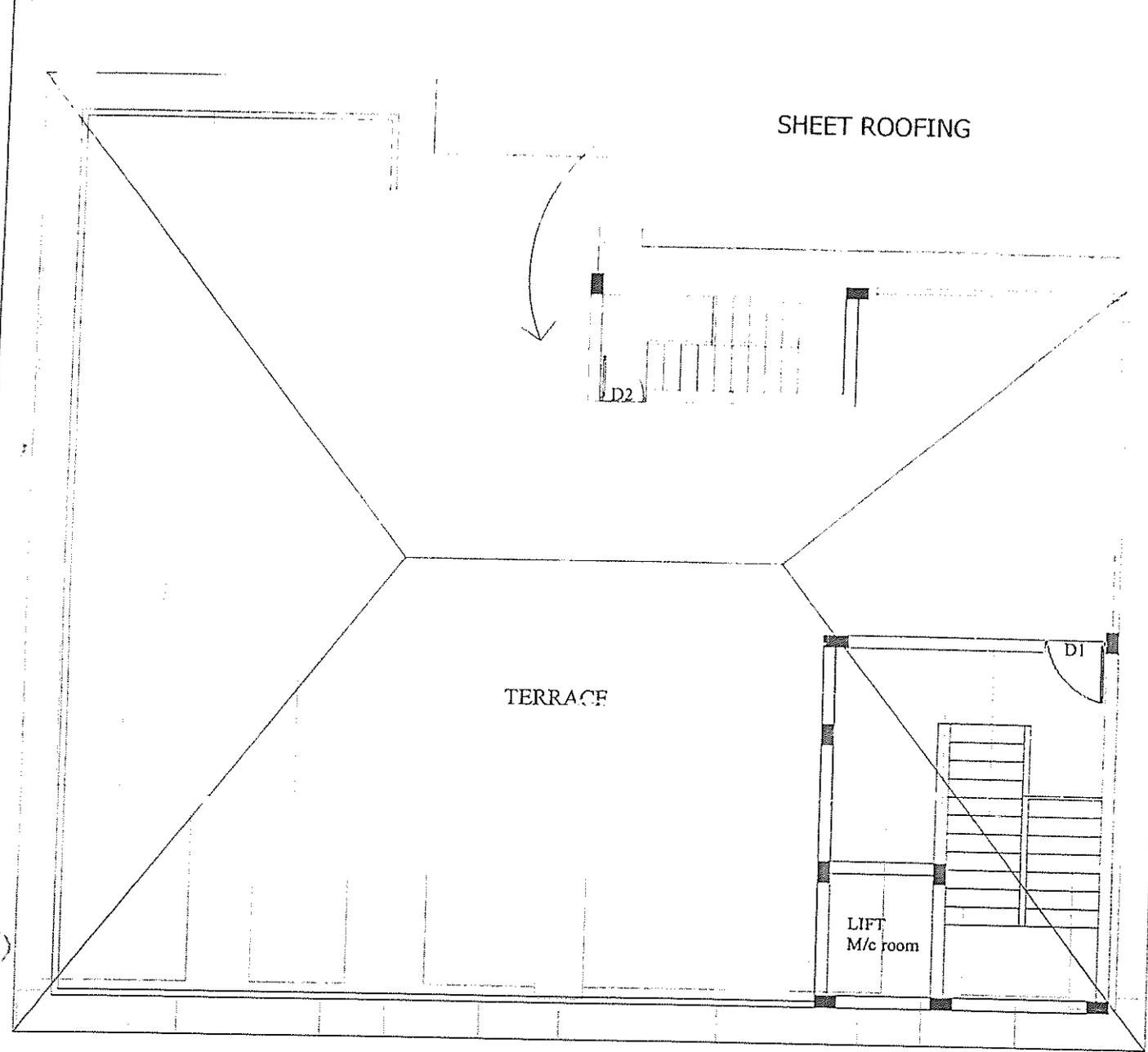


Hindustan Prefab Limited
 Thycaud, Trivandrum

PROJECT :

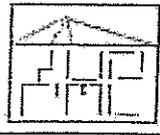
OFFICE BUILDING FOR KSBDC @ KOLLAM

[Handwritten Signature]
 Director Project Management



TERRACE FLOOR PLAN

PLINTH AREA - 37.46 Sqm (ie) 403 Sqft.



Hindustan Prefab Limited
 Thycaud, Trivandrum

PROJECT :
OFFICE BUILDING FOR KSBCDC @ KOLLAM

[Signature]
 Project Engineer (Civil)
 KSBCDC, Kollam