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FRONT ELEVATION

COST ESTIMATE FOR CONSTRUCTION OF AGRICULTURE TECHNOLOGY INFORMATION CENTER AT JHARKHAND

REPORT

An estimate amounting Rs- 15, 00,000.00 (Fifteen Lakhs) only has been framed to meet the expenses of construction of a Agriculture Technology information center in the state of Jharkhand. The total land area is required for the construction of Agriculture Technology information center is - 3700.00sft or 334.10 sq m (Plot area =100'-0" x 37'-0" = 3700.00sft)

The Project comprises of following components:-

- i) Construction of Agriculture Technology information center
- ii) Construction of Septic .tank, soakage pit & Toilet.
- iii) Provision of deep tube well with submersible motor
- iv) Estimate includes sanitary and water supply system.
- v) Provision of electricity fitting with/Panel board.
- vi) Construction of Generator Room.

The plinth level of building has been kept 2'-00" from the existing ground level and ceiling height of 10'-0" for ground floor. The reinforced cement concrete has been considered as M-150 (1:2:4) for structural members. Aluminum door & windows provided in room and PVC door in bathroom. The ventilator, Hall & Verandah have been provided with standard steel section fully glazed grill. The flooring has been provided Kotah stone flooring in room, verandah and stair. The inside and outer wall surface is covered with two of snowcem as per approved shade. The estimate has been framed on 'the basis of schedule of rate of south chhotanagpur division effective from 2010. The rate which is not available in C.P.W.D. prevalent Current market rate has been taken.

Assistant Engineer

Soil Conservation, Ranchi

Dy. Director (Engg)

GENERAL ABSTRACT

Name Of Work: - Construction of Agriculture Technology Information Center (Based on Schedule of rate of South Chotanagpur Division w.e.f. February-2010 and D.S.R -2007)

SL.NO	PARTICULARS	AMOUNT
1	Civil Work	Rs- 8,45,300.00
2	Generator Room	Rs-91,100.00
3	Septic Tank & Toilet	Rs- 69,500.00
5	Water Supply & Sanitary	Rs- 51,900.00
4	Electrical Work	Rs- 65,600.00
6	Deep Boring	Rs- 1,33,800.00
.0	TOTAL	Rs- 12,57,200.00 /
	Computer/ furniture/ Generator Etc.	Rs- 2,42,800.00
	TOTAL	Rs- 15,00,000.00
	Grand Total Say	Rs- 15,00,000.00

Rs- 15, 00,000/- (FIFTEEN LAKHS) ONLY

Soil Conservation, Ranchi

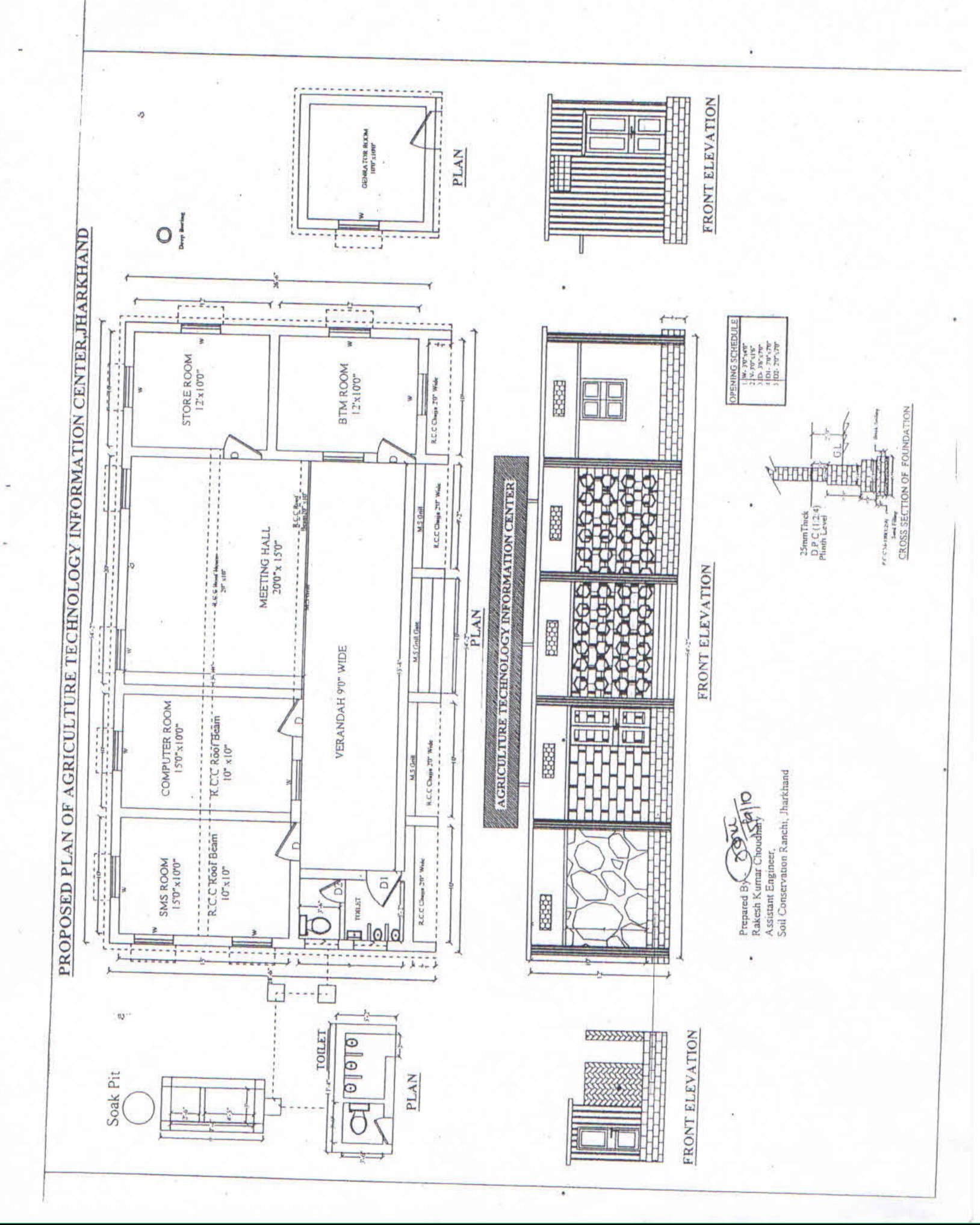
Dy. Director (Engg)

Directorate, Jharkhand

Jechnically Sanctioned amounting Rs 15.00 lacs (Rupees - tiffeen lacs) only accounded.

Manager Technical Jhalco, Ranchi

Managing Director Jharkhand Hill Area Lift Irrigation Corporation, Ranchi

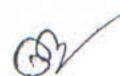


4

ABSTRACT OF COST FOR THE WORK CONSTRUCTION OF AGRICULTURE TECHNOLOGY INFORMATION CENTER, JHARKHAND

S.NO	PARTICULARS	QUANTITY	UNIT	RATE	AMOUNT
1/5.1.1	E\W in excavation in foundation trenches in ordinary soil (vide	100000000000000000000000000000000000000		IVA I E	Amount
	classification of soil item -A) and disposal of excavated earth as				
	obtained to a distance up to 50 Mdo all complete as per				
	approved design, building specification and direction of E/I.	51.505	m³	• 48.07	2475.83
2/5.1.10	Providing coarse clean sand in filling in foundation trenches or in			10.07	
	plinth including ramming and watering in layers not exceeding				
	150mmdo all complete as per building specification and				
	direction of E/I.	59.025	m³	115.76	602275
3/5.6.1	Providing designation 75A one brick flat soling joints filled with	37.023	m	113.70	6832.75
	local sand including cost of watering taxes royalty all complete				
	as building specification and direction of E/I.	200 076	- 2	122.02	20000 (2)
4/5.3.2	Providing P.C.C M-100 in nominal mix of (1:2:4) in foundation	208.075	m²	122.92	25576.63°
413.3.2	with approved quality of stone shine 20 ments (1:2:4) in foundation				
	with approved quality of stone chips 20mm to 6mm size graded				
	and clean coarse sand of F.M 2.5mm to 3mm -do all complete	a a livarali		SWAND OF SHARE	
6/6 2 2	as per building specification and direction of E/I.	10.402	m³	3493.58	36341.62
5/5.2.3	Providing designation 75A Brick work in C.M (1:6) in			- 1	
	foundation with approved quality of clean coarse sand of F.M. 2.				
	to 2.5 -do all complete as per building specification and				
0.00	direction of E/I	40.030	m³	2164.22	86633.68
6/5.3.16	Providing 25mm thick damp proof course with cement concrete				
	M-150 with nominal mix of (1:2:4) with approved quality of				
	stone chips 20mm to 6mm size graded and clean coarse sand of				
.0	F.M 2.5mm to 3mm -dotaxes and royalty all complete as per				
	building specification and direction of E/I.	19.503	m²	106.02	2067.691
7/5.2.11	Providing designation 75A Brick work in C.M (1:6) in Super				10001102
	structure with approved quality of clean coarse sand of F.M. 2				
	to 2.5 -do all complete as per building specification and				
	direction of E/I	47.030	m³	2208.50	103866.06
8/5.3.8	Providing R.C.C M-150 in nominal mix of (1:2:4) in Lintal with	171000		2200.30	1000000
	approved quality of stone chips 20mm to 6mm size graded and				
	clean coarse sand of F.M 2.5mm to 3mm -dotaxes and royalty				
	all complete as per building specification and direction of E/1.	3.930	m³	4412.45	17340.00
9/5.3.15	Providing Av 63mm R.C.C M-150 in nominal mix of (1:2:4) in	3,730	III	4412,43	17340.00
	chajja with approved quality of stone chips 20mm to 6mm size				
	graded and clean coarse sand of F.M 2.5mm to -do- all complete				
	as per building specification and direction of E/I.	14.470	2	525 20	7602.72
0/5.3.11	Providing R.C.C M-150 in nominal mix of (1:2:4) in beam of all	14.470	m²	525.39	7602.32
0/2/3/11	type level with approved quality of stone chips 20mm to 6mm				
	size graded and class seems and of EM 2.5				
	size graded and clean coarse sand of F.M 2.5mm to 3mm -do-				
	taxes and royalty all complete as per building specification and direction of E/I.	1.055			/
1/5 2 0	The state of the s	1.965	m³	5338.87	10490.73
1/5.3.9	Providing R.C.C M-150 in nominal mix of (1:2:4) in roof slab				
	level with approved quality of stone chips 20mm to 6mm size				
	graded and clean coarse sand of F.M 2.5mm to 3mm -do-taxes				
	and royalty all complete as per building specification and	END MENUTY			
	direction of E/I.	16.979	m ³	4467.93	75862.13
2/5.7.3	Providing 12mm. cement plaster (1:6) with clean coarse sand of				
τÇα	F.M.1.5. including screening, curing with all leads and lifts of				
	water, scaffolding taxes and royalty all complete as per drawing				
	specification and direction of E/I.	473.920	m²	60.88	28852.23
3/5.7.6	Providing 6mm.thick cement plaster (1:4) in ceiling with clean	200 200 00000		7.16.43	and the second second
	coarse sand of F.M.1.5. including screening, curing with all leads				7
	and lifts of water, scaffolding taxes and royalty all complete as				
	per drawing specification and direction of E/I.	113.839	122	60.57	6005 30
	per six and specification and direction of E/1.	113.839	m²	60.57	6895,20

14/5.6.19(i)	Providing and laying 15-20 mm thick kotah stone slab flooring of approved quality over 19mm cement mortar (1:3) and joints filled with gray cement slurry, flush pointed with white cement – do- taxes and royalty all complete as per building specification • and direction of E/I.	119.260	m²	795.00	94812.03
15/5.7.11	Providing 1.5mm thick cement punning including curing etc. complete job as per specification and direction of E/I.	37.121	m²	23.63	877.18
16/5.6.23.4	Providing and laying 6mm precast white glazed tiles in wall over 12mm cement mortar (1:3) and joints filled with gray cement slurry, flush pointed with white cement -do-, taxes and royalty all complete as per building specification and direction of E/I.	15.661	m ²	599.96	9396.09
17/5.8.24	Providing two coat of snowcem of approved shade and make over a coat of cement primer on new surface including preparing the plastered surface smooth with sand paper, scaffolding, curing and taxes all complete as per building specification and direction of E/I.	587.758	m²	40.94	24062.82
18/5.5.29	Providing and fixing glazing in Aluminum door, window, ventilator shutter and partition etc. with PVC/ neoprene gasket etc. complete as per the architectural drawing and the direction of E/l.	22.506	m²	2050.00	46137.30
19/80020 D.S.R	30mm thick Factory made shutter with frame, rail and panels of PVC extruded sections in white, grey or wooden finish	3.255	m²	1900.00	6184.50
20/5.5.18	Supplying, fitting, and fixing fully glazed steel doors & windows or ventilator of standard rolled 'Z' and mullion -do- in P.C.C. (1:2:4) blocks-do- a priming red lead paint over steel work, taxes all complete as per drawing specification and direction of E/I.	0.837	m²	1719.55	1439.26
21/5.5.12	Supplying, fitting, and fixing M.S. grill made of 20x6mm M.S. flats as per approved design and drawing, properly fabricated, with joints continuous fillet welded and finished smooth, carriage of grill to site, hoisting as per specification and direction of E/I.	1036.380	Kg	48.24	49994,97
22/5.5.13	Providing and fixing fan hook with -do-, all complete, as per specification & direction of E/I	12.000	Each	72.27	867.24
23/5.8.41 ⁴ 5.8.43	Providing two coats of ready mixed paint of approved shade and make over steel surface including cleaning the surface thoroughly scaffolding, taxes all complete as per building specification and direction of E/I.	78.446	m²	55.81	4378,06
24/5.5.4	Providing Tor steel reinforcement above 8mm dia rods as per approved design and drawing excluding carriage of M S. Rods(straight or in coil) to work site, cutting, bending, and binding with annealed wire with cost of wire ,removal of rust, placing the rods in position all complete as per building specification and direction of E/I.	2.118	MT	43724.78	92605.45



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25/5.10.34	Providing 150mm, wide brick drain in cement mortar(1:6) with av. 150mm, clear depth and 125mm apron including cost of earth work involved with 75mm cement concrete (1:4:3) over one brick designation 75 A, flat soling in proper grade and slope at the base the drain duty plastered in C.M.(1:3) with punning over exposed surface all complete as per building specification and	48.664	М	290.53	14138.46
- 11-	direction of E/I.	•		TOTAL	755730.21
26/	CARRIAGE OF MATERIA	L			
Chap -III	ITEMS	QUANTITY	KM ·	RATE	
		167.00 m³	10	162.78	27184.06
	Sand	40.20 m.t	10	101.74	4090.31
.0	Cement	90.29 m³	30	295.98	26725.23
1.00	Chips	63393.50 nos	15	495.44	31407.67
	Bricks	2.12 mt	10	101.74	215.48
	Steel	2.12 1111	1.0	10010	

Say Rs- 8, 45,300/-

Rs-8, 45,300/-(EIGHT LAKHS FORTY FIVE THOUSAND THREE HUNDRED) ONLY

Assistant Engineer

Soil Conservation, Ranchi

Dy. Director (Engg)

MATERIAL STATEMENT

ITEM NO.	WORKS	QUANTITY	SAND	CEMENT	CHIPS	BRICKS
5.1.10	Sand Filling	59.025115	59.03	20		
5.2.3	Brick Work (1:6) in foundation	40.030	13.73	2.281709		16254.973
5.2.14	Brick Work (1:6) in Superstructure	47.030	16.13	2.680718		19097.528
5.3.2	PCC (1:2:4)	10.4024	4.68	2.34054	9.3622	
5.3.8	Lintel	3.930	1.77	0.884203	3.5368	
5.3.9	Roof Slab	16.9793	7.64	3.820333	15.281	
5.3.10	Beam	1.9650	0.88	0.442119	1.7685	
5.3.15	Chajja	14.470	6.51	3.255721	13.023	
5.3.16	DPC	19.503	0.30	0.148221	0.6046	
5.6.1	Brick flat Soling	208.07541	3.12			6710.432
5.7.3	Plaster (1:6)	473.920	7.58	1.232191		
5.7.60	Ceiling Plaster (1:4)	113.839	0.80	0.227677		
5.7.11	Punning 1.5mm	37.121		0.074242		
5.10.34	Drain 150mm wide (flat soiling)	48.664	0.73			1569.426
5.10.5	P.C.C(1:4:8)	48.664	23.36	5.839724	46.718	
	Brick work CM(1:6)	48.664	16.69	2.773869		19761.140
	Plaster(1:6)	48,664	0.78	0.126527		
	Punning 1.5mm	48.664		0.097329		
5.6.19	Kotah Stone	119.260	3.27	0.57722		
2.01.12	107	Total-	167.00m³	26.80234m³	90.294m³	63393.498nos
				40.20351mt		

CARRIAGE OF MATERIAL

ITEMS	QUANTITY	KM
Sand	167.00 m³	10
Cement	40.20 m.t	10
Chips	90.29 m³	30
Bricks	63393.50 nos	15
Steel	2.12 mt	10

Assistant Engineer

Soil Conservation, Ranchi

Dy. Director (Engg)

DETAIL ESTIMATE FOR THE WORK CONSTRUCTION OF AGRICULTURE TECHNOLOGY INFORMATION CENTER, JHARKHAND

S.NO	PARTICULARS	NOS I		В	H	QUANTIT	Y	
/5.1,1	E\W in excavation in foundation trench	es in ordinary soil (vie	de classifica	ition of so	il item			
	-A) and 'disposal of excavated earth as	obtained to a distance	up to 50 M	ldo al				
	complete as per approved design, build	ing specification and o			2	927 450		
-0		2	. 55.83	2.5	3	837.450		
		3	23.17	2.5	1 3	521.325		
		1	19.17	2.5	3	143.775		
	×	1	8.33	2.5	3	62,475		
		1	13.33	2.5	3	99.975 99.975		ŀ
		1	13.33	2.5	3	54.975		
		1	7.33	2.5	2.		51.505	
			11 11	1 1:	total	1819.950	31.303	+
2/5.1.10	Providing coarse clean sand in filling in	n foundation trenches	or in plinth	including	milding			
	ramming and watering in layers not exc	ceeding 150mmdo	all comple	te as per t	unding			
	specification and direction of E/I.	2	55.83	2.5	0.25	69.788		
		3	23.17	2.5	0.25	* 43.444		
		1	19.17	2.5	0.25	11.981		
		1	8.33	2.5	0.25	5.206		
			13.33	2.5	0.25	8.331		
			13.33	2.5	0.25	8.331		1
		1	7.33	2.5	0.25	4.581		1
		2	12.00	10	1.58	379.200		
		2	20.00	15.83	1.58	500.228		
		2		10	1.58	474.000		
		2	15.00	5.17	1.58	73.517		
		1	9.00	9	1.58	507.085		
		1	35.66	9	7.12	THE RESERVE OF THE PERSON OF T	59.025	
.o			10 1 -1	1:13	total	2085.693	37.023	+
/5.6.1	Providing designation 75A one brick fl cost of watering taxes royalty all comp	at soling joints filled v	vitin local sa	direction	of F/L			l
	cost of watering taxes royalty all comp	lete as building specif	55.83	2.5	OT LOVE	279.150		
		2	23.17	2.5		173.775		
		1	19.17	2.5		47.925		
		1	8.33	2.5		20.825		
		1	13.33	2.5		33.325		
		1	16.33	2.5		40.825		
	45	1		2.5		18.325		1
		1	7.33	10		240.000		
		2	12.00			240.000		
		2	12.00			316,600		
		1	20.00	15.83		316.600		
		1 2	20.00 15.00	15.83 10		300.000		
		1	20.00 15.00 9.00	15.83 10 5.17		300.000 46.530		
	Plinth protection	1	20.00 15.00	15.83 10		300.000		



4/5.3.2	Providing P.C.C M-100 in nominal mix of (1:2:4) i stone chips 20mm to 6mm size graded and clean co	arse sand	of F.M 2.5m	im to 3mi	n -do-)	
- 40	- all complete as per building specification and dire	ction of E	STORES STORE CONT. 1	164 473				
		2	55.83	2.5	0.25	69.788		١
		3	23.17	2.5	0.25	43.444	i i	١
		1	19.17	2.5	0.25	11.981		ľ
		1	8.33	2.5	0.25	5.206		1
		1	13.33	2.5	0.25	8.331		
		1	16.33	2.5	0.25	10.206		ı
		1	7.33	2.5	0.25	4.581		
		2	12.00	10	0.17	40.800		
		1	15.83	20	0.17	53.822		1
		2	15.00	10	0.17	51.000		1
		1	35.66	9	0.17	54.560		1
		1	5.17	9	0.17	7.910		1
		3	11.66	I)	0.17	5.947	10.402	
r 2 2	Description designation 75 A Daile bounds in C M (1/6)	in found	ation with	annroyed		367.576	10.402	+
/5.2.3	Providing designation 75A Brick work in C.M (1:6 quality of clean coarse sand of F.M. 2 to 2.5 -do a							
	specification and direction of E/I	125	22.22			221 222		ı
	1st footing	2	55.33	2	1	221.320		
	±1	3	23.66	2	1	141.960		
		1	19.66	2	1	39.320		1
		1	8.83	2	1	17.660		l
		1	13.83	2	1	27.660		
W.		.1	13.83	2	1	27.660		1
-9		1	7.83	2	1	15.660		1
	2nd Footing	2	54.58	1.25	2.17	296.097		1
		3	24.42	1.25	2.17	198.718		İ
	72	1	20.42	1.25	2.17	55.389		1
		1	9.58	1.25	2.17	25.986		1
		-1	14.58	1.25	2.17	39.548		
		1	14.58	1.25	2.17	39.548		ľ
	ACT AND CAN PRODUCE OF THE PRODUCE O	1	8.58	1.25	2.17	23.273		1
	3rd footing	2	54.17	0.83	1	89.922		
		3	24.83	0.83	1	61.827		
		1	20.83	0.83	1	17.289		ľ
		1	10.00	0.83	1	8.300		
	20	1	15.00	0.83	1	12.450		
	4.3	1	15.00	0.83	1	12.450		
		1	9.00	0.83	1	7.470		
	Step	1	11.66	3	0.5	17.490		
		1	11.66	2	0.5	11.660		
		1	11.66	T	0.5	5.830	40.020	
£ 2 1/	Describing 25 mm think damp may 6 agreement the	ent concr	to M 150	ith nomin	al mix	1414.487	40.030	1
5.3.16	Providing 25mm thick damp proof course with cem of (1:2:4) with approved quality of stone chips 20m coarse sand of F.M 2.5mm to 3mm -dotaxes and a specification and direction of E/I.	ım to 6mn	n size gradeo	l and clea	n			
500		2	54.17	0.83		89.922		
503		3	24.83	0.83		61.827		
		1	20.83	0.83		17.289		
		1	10.00	0.83		8.300		
		1	15.00	0.83		12.450		
			15.00	0.83		12,450		1

7/5.2.11 Providing designation 75A Brick work in C.M (1:6) in Super structure with approved quality of clean coarse sand of F.M. 2 to 2.5 -do- all complete as per building specification and direction of E/I 2 54.17 0.83 10 899.222 3 24.83 0.83 10 172.889 1 10.00 0.83 10 83.000 1 11.5.83 0.83 10 172.889 1 10.00 0.83 10 124.500 1 15.00 0.83 10 124.500 1 15.00 0.83 10 124.500 1 15.00 0.83 10 124.500 1 15.07 0.00 0.83 10 124.500 1 15.07 0.00 0.83 10 124.500 1 15.07 0.00 0.83 10 124.500 1 15.07 0.00 0.83 10 119.520 1 19.52			1	9.00	0.83		7.470	19.503	r
quality of clean coarse sand of F.M. 2 to 2.5 -do- all complete as per building specification and direction of E/I 2 54.17 0.83 0.83 10 899.222 3 24.83 0.83 10 618.267 1 20.83 0.83 10 172.889 1 10.00 0.83 10 124.500 1 15.83 0.83 10 131.389 1 9.00 0.83 10 174.500 1 15.83 0.83 10 174.500 1 15.83 0.83 10 174.500 1 15.83 0.83 10 174.500 1 15.83 0.83 10 174.500 1 15.83 0.83 10 174.500 1 15.83 0.83 10 174.500 1 15.83 0.83 17 174.500 1 15.83 0.83 7 174.500 1 15.83 0.83 7 174.500 1 15.83 0.83 7 174.500 1 15.83 0.83 7 174.500 1 15.83 0.83 7 174.500 1 15.83 0.83 7 174.500 1 15.83 0.83 7 174.500 1 15.83 0.83 7 174.500 1 15.83 0.83 7 116.200 1 15.83 0.83 1 119.520 1 166.842 1 175.83 0.83 1.5 18.655 1 166.842 1 175.83 0.83 1.5 18.655 1 18.655	7/5 2 11	Providing designation 75A Brick work in	C M (1:6) in Supe	r structure x	with ann	total-	209.708	19.505	-
2 54.17 0.83 10 899.222 3 24.83 0.83 10 618.267 1 20.83 0.83 10 618.267 1 20.83 0.83 10 177.889 1 10.00 0.83 10 124.500 1 15.80 0.83 10 131.389 1 9.00 0.83 10 131.389 1 9.00 0.83 10 74.700 6 2.00 0.83 12 119.520 6 2.00 0.83 12 119.520 6 2.00 0.83 7 17.430 1 3.00 0.83 7 17.430 1 3.00 0.83 7 17.430 1 3.00 0.83 7 17.430 1 3.00 0.83 7 17.430 1 3.00 0.83 7 17.430 1 3.00 0.83 7 17.430 1 3.00 0.83 7 17.430 1 3.00 3.3 1.5 1 3.00 3.3 3.00 3.0	775.2.11	quality of clean coarse sand of F.M. 2 to 2				Toyeu			
### 1			2	54.17	0.83	10	899.222		
1 20,83 0,83 10 172,889 1 10,00 0,83 10 83,000 1 115,00 0,83 10 124,500 1 15,83 0,83 10 124,500 1 15,83 0,83 10 131,389 1 9,00 0,83 10 74,700 1 5,17 0,42 7 15,200 6 2,00 0,83 12 119,520 170,00 1 10,00 0,83 7 17,430 1 10,00 0,83 7 17,430 1 1 2,00 0,83 7 11,620 1 2,00 0,83 7 11,620 1 2,00 0,83 7 11,620 1 2,00 0,83 7 11,620 1 2,00 0,83 7 11,620 1 2,00 0,83 7 11,620 1 2,00 0,83 7 11,620 1 2,00 0,83 7 11,620 1 2,00 0,83 7 11,620 1 2,00 0,83 7 11,620 1 2,00 0,83 7 11,620 1 2,00 0,83 7 11,620 1 2,00 0,83 7 11,620 1 2,00 0,83 1,5 7,470 1 2,00 0,83 1,5 7,470 1 2,00 0,83 1,5 7,470 1 2,00 0,83 1,5 7,470 1 2,00 0,83 1,5 7,470 1 2,00 0,83 1,5 7,470 1 2,00 0,83 1,5 7,470 1 2,00 0,83 1,5 7,470 1 2,00 1,			3						
1 10,00 0.83 10 83,000 1 15,00 0.83 10 124,500 1 15,83 0.83 10 131,389 1 9,00 0.83 10 74,700 1 5,17 0.42 7 15,200 6 2.00 0.83 12 119,520 Total 2238,687 1 3,00 0.83 7 11,620 1 3,00 0.83 7 11,620 1 3,00 0.83 7 11,620 1 3,00 0.83 7 11,620 1 3,00 0.83 7 11,620 1 3,00 0.83 7 11,620 1 3,00 0.83 7 11,620 1 3,00 0.83 7 11,620 1 3,00 0.83 7 11,620 1 3,00 3,3 7 11,620 1 3,00 3,3 7 11,620 1 3,00 3,3 7 11,620 1 3,00 3,3 7 11,620 1 3,00 3,3 7 11,620 1 3,00 3,3 7 11,620 1 3,00 3,3 7 11,620 1 3,00 3,3 7 11,620 1 3,00 3,3 7 11,620 1 3,00 3,3 7 11,620 1 3,00 3,3 7 11,620 1 3,00 3,3 7 1,620 1 3,00 3,3 1 12,450 1 3,00 3,3 1 12,450 1 3,00 3,3 1 12,450 1 3,00 3,3 1 12,450 1 3,00 3,3 1 12,450 1 3,00 3,3 1 3,00			1 0				TOTAL STATE OF THE PARTY OF THE		
1 15.00 0.83 10 124.500 1 15.83 0.83 10 124.500 1 15.83 0.83 10 131.380 1 9.00 0.83 10 74.700 1 5.17 0.42 7 15.200 Total 2238.687 Less-Door			1				The same of the sa		
1 1.5.83 0.83 10 131.389 1 9.00 0.83 10 74.700 1 5.17 0.42 7 15.200 6 2.00 0.83 12 119.520 119			1			19025	ALL AND THE STREET		
1 9.00 0.83 10 74.700 1 5.17 0.42 7 15.200 6 2.00 0.83 12 119.520 Total 2238.687 13.00 0.83 7 11.430 13.00 0.83 7 11.430 14.40 15.500 14.40 15.500 14.40 15.500 14.40 15.500 14.40 14.500 15.500 15.500 14.40 15.500 14.40 15.500 14.40 15.500 14.40 15.500 14.40 15.500 14.40 15.500 14.40 15.500 14.40 15.500 14.40 15.500 14.40 15.500 14.40 15.500 14.40 15.500 14.40 15.500 14.40 15.500 14.40 15.500 14.40 15.500 14.40 15.500 14.40 15.500 15.500 14.40 15.500 14.40 15.500 15.500 14.40 15.500 15.500 14.40 15.500 14.40 15.500 14.40 15.500 15.500 15.500 14.40 15.500 14.40 15.500 15.500 14.40 15.500	.0		1						
Less-Door			1				The state of the s		
Less-Door			1			7			
Less-Door			6			12	4.575		
Less-Door					CH/ 768076 III	TOTAL PROPERTY.	was a series of the series of		
Window		Less- Door	4	3.50	0.83	7			1
Window 12 3.00 0.83 7 11.620			1			7			
Window 12 3.00 0.83 4 119.520			Ī			7	S)(0/4/0/2022		
Verandah Grill		Window	12			4			
Lintal 2 10.00 0.83 7 116.200 Lintal 1 253.49 0.83 0.66 138.862 Ventilator 10 1.50 0.83 1.1 12.450 Toilet grill 2 3.00 0.83 1.5 7.470 5 3.00 0.83 1.5 18.675 Total- 576.845 Total- 70tal- 576.845 Total- 70tal- 70ta		and provide the second	1			7	and the second second		
Lintal 1 253.49 0.83 0.66 138.862 Ventilator 10 1.50 0.83 1 12.450			2			7	100000000000000000000000000000000000000		1
Ventilator Toilet grill 1,50 0,83 1 12,450 2 3,00 0,83 1,5 7,470 5 3,00 0,83 1,5 18,675 Total- 576,845 Total- 576,845 Total- 576,845 Total- 1661,842 47.6 7,53.8 Providing R.C.C M-150 in nominal mix of (1:2:4) in Lintal with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm —do-taxes and royalty all complete as per building specification and direction of E/I. 2		Lintal	1			0.66			
Toilet grill		Ventilator	10			1	1 TO		
5 3.00 0.83 1.5 18.675 Total- 576.845 Total- 576.845 Total- 576.845 Total- 1661.842 47.05 75.3.8 Providing R.C.C M-150 in nominal mix of (1:2:4) in Lintal with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm —do-taxes and royalty all complete as per building specification and direction of E/I. 2 54.17 0.83 0.66 59.349 3 24.83 0.83 0.66 40.806 1 20.83 0.83 0.66 5.478 1 15.00 0.83 0.66 8.217 1 15.83 0.83 0.66 8.217 1 15.83 0.83 0.66 8.217 1 15.83 0.83 0.66 4.930 Total- 138.862 1 9.00 0.83 0.66 4.930 Total- 138.862 3.9 1 15.83 0.83 0.66 4.930 Total- 138.862 3.9 1 15.83 0.83 0.66 4.930 Total- 138.862 3.9 1 1 1 1 1 1 1 1 1		Toilet grill	2			1.5	The second second		
Total Tota			5				A 200 CONTRACTOR		
Providing R.C.C M-150 in nominal mix of (1:2:4) in Lintal with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M. 2.5mm to 3mm -do-taxes and royalty all complete as per building specification and direction of E/I. 2						Total-	The state of the s		
Providing R.C.C M-150 in nominal mix of (1:2:4) in Lintal with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M. 2.5mm to 3mm -do-taxes and royalty all complete as per building specification and direction of E/I. 2							La Property Control	47.030	11
3		40 1000		nd direction	of E/I.		59 349		
1 20.83 0.83 0.66 11.411 1 10.00 0.83 0.66 5.478 1 15.00 0.83 0.66 8.217 1 15.83 0.83 0.66 8.217 1 15.83 0.83 0.66 8.672 1 9.00 0.83 0.66 4.930 Total 138.862 3.9 75.3.15 Providing Av 63mm R.C.C M-150 in nominal mix of (1:2:4) in chajja with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm including making drip course in concrete, screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, 6mm cement plaster (1:4) in ceiling and sides of chajja with sand of F.M.1.5, curing, (but excluding the cost of reinforcement) taxes and royalty all complete as per building specification and direction of E/I. 9 3.50 1.5 47.250 1 54.17 2 108.340 Total 155.590 14.4 155.590 14.4 155.590 14.4 155.590 14.4 155.590 14.4 155.590 14.4 155.590 14.4 155.590 14.4 155.590 14.4 155.590 14.4 155.590 14.4 155.590 15.50			3						
1 10.00 0.83 0.66 5.478 1 15.00 0.83 0.66 8.217 1 15.83 0.83 0.66 8.217 1 15.83 0.83 0.66 8.672 1 9.00 0.83 0.66 4.930 Total 138.862 3.9			1						
1 15.00 0.83 0.66 8.217 1 15.83 0.83 0.66 8.672 1 9.00 0.83 0.66 4.930 Total- 138.862 3.9			i						
1 15.83 0.83 0.66 8.672 1 9.00 0.83 0.66 4.930 Total- 138.862 3.9 75.3.15 Providing Av 63mm R.C.C M-150 in nominal mix of (1:2:4) in chajja with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm including making drip course in concrete, screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, 6mm cement plaster (1:4) in ceiling and sides of chajja with sand of F.M.1.5, curing, (but excluding the cost of reinforcement) taxes and royalty all complete as per building specification and direction of E/I. 9 3.50 1.5 47.250 1 54.17 2 108.340 Total- 155.590 14.4 10/5.3.11 Providing R.C.C M-150 in nominal mix of (1:2:4) in beam of all type level with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm —dotaxes and royalty all complete as per building specification and direction of E/I. 2 21.66 1.5 0.83 53.933 1.5 1.	10.1		1 1	• 1 ST NOTE					
1 9.00 0.83 0.66 4.930 Total- 138.862 3.9			1/ 2		U. 0.2	0.66	8.217		
Providing Av 63mm R.C.C M-150 in nominal mix of (1:2:4) in chajja with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm including making drip course in concrete, screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, 6mm cement plaster (1:4) in ceiling and sides of chajja with sand of F.M.1.5, curing, (but excluding the cost of reinforcement) taxes and royalty all complete as per building specification and direction of E/I. 9 3.50 1.5 47.250 1 54.17 2 108.340 Total- 155.590 14.4 W/5.3.11 Providing R.C.C M-150 in nominal mix of (1:2:4) in beam of all type level with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm –dotaxes and royalty all complete as per building specification and direction of E/I. 2 21.66 1.5 0.83 53.933									
Providing Av 63mm R.C.C M-150 in nominal mix of (1:2:4) in chajja with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm including making drip course in concrete, screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, 6mm cement plaster (1:4) in ceiling and sides of chajja with sand of F.M.1.5, curing, (but excluding the cost of reinforcement) taxes and royalty all complete as per building specification and direction of E/I. 9 3.50 1.5 47.250 1 54.17 2 108.340 Total- 155.590 14.4 2.5mm to 3mm –dotaxes and royalty all complete as per building specification and direction of E/I. 2 21.66 1.5 0.83 53.933				15.83	0.83	0.66	8.672		
1 54.17 2 108.340 Total- 155.590 14.4 Providing R.C.C M-150 in nominal mix of (1:2:4) in beam of all type level with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm –dotaxes and royalty all complete as per building specification and direction of E/I. 2 21.66 1.5 0.83 53.933			i	15.83 9.00	0.83	0.66 0.66 Total-	8.672 4.930	3.930	m
O/5.3.11 Providing R.C.C M-150 in nominal mix of (1:2:4) in beam of all type level with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm -dotaxes and royalty all complete as per building specification and direction of E/I. 2 21.66 1.5 0.83 53.933	/5.3.15	quality of stone chips 20mm to 6mm size g 3mm including making drip course in conc concrete in mixer and placing in position, v ceiling and sides of chajja with sand of F.N reinforcement) taxes and royalty all complete	graded and clean co crete, screening, shu vibrating, striking, (4.1.5, curing, (but	15.83 9.00 in chajja with arse sand of attering, mix 6mm cement excluding th	0.83 0.83 h approv F.M 2.51 ing cement t plaster (see cost of	0.66 0.66 Total- red mm to ent (1:4) in	8.672 4.930	3.930	m
O/5.3.11 Providing R.C.C M-150 in nominal mix of (1:2:4) in beam of all type level with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm -dotaxes and royalty all complete as per building specification and direction of E/I. 2 21.66 1.5 0.83 53.933	/5.3.15	quality of stone chips 20mm to 6mm size g 3mm including making drip course in conc concrete in mixer and placing in position, v ceiling and sides of chajja with sand of F.N reinforcement) taxes and royalty all complete	graded and clean co crete, screening, shu vibrating, striking, (A.1.5, curing, (but ete as per building s	15.83 9.00 in chajja with arse sand of attering, mix 6mm cement excluding the specification	0.83 0.83 h approv F.M 2.51 ing ceme t plaster (te cost of and dire	0.66 0.66 Total- red mm to ent (1:4) in	8.672 4.930 138.862	3.930	m
approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm -dotaxes and royalty all complete as per building specification and direction of E/I. 2 21.66 1.5 0.83 53.933	/5.3.15	quality of stone chips 20mm to 6mm size g 3mm including making drip course in conc concrete in mixer and placing in position, v ceiling and sides of chajja with sand of F.N reinforcement) taxes and royalty all complete	graded and clean co crete, screening, shu vibrating, striking, (A.1.5, curing, (but ete as per building s	15.83 9.00 in chajja with arse sand of attering, mix smm cement excluding the specification 3.50	0.83 0.83 h approv F.M 2.51 ing ceme t plaster (te cost of and dire	0.66 0.66 Total- red mm to ent (1:4) in	8.672 4.930 138.862	3.930	m
	/5.3.15	quality of stone chips 20mm to 6mm size g 3mm including making drip course in conc concrete in mixer and placing in position, v ceiling and sides of chajja with sand of F.N reinforcement) taxes and royalty all comple of E/I.	graded and clean co crete, screening, shu vibrating, striking, 6 4.1.5, curing, (but ete as per building s	15.83 9.00 in chajja with arse sand of attering, mix 6mm cement excluding the specification 3.50 54.17	0.83 0.83 h approv F.M 2.51 ing ceme t plaster (te cost of and dire	0.66 Total- red mm to ent (1:4) in	8.672 4.930 138.862 47.250 108.340	3.930	m
1 22.30 0.03 0.03 13.300		quality of stone chips 20mm to 6mm size g 3mm including making drip course in cond- concrete in mixer and placing in position, we ceiling and sides of chajja with sand of F.M. reinforcement) taxes and royalty all complet of E/I. Providing R.C.C M-150 in nominal mix of approved quality of stone chips 20mm to 6 2.5mm to 3mm -dotaxes and royalty all of	graded and clean co crete, screening, shu vibrating, striking, 6 4.1.5, curing, (but ete as per building s (1:2:4) in beam of mm size graded and	15.83 9.00 in chajja with arse sand of attering, mix 6mm cement excluding the specification 3.50 54.17 fall type level declar coars lding specific	0.83 0.83 h approv F.M 2.51 ing ceme t plaster (le cost of and dire 1.5 2 vel with se sand o cation an	0.66 Total- red mm to ent (1:4) in ection Total- of F.M	8.672 4.930 138.862 47.250 108.340 155.590		m
total 69,434 1.9		quality of stone chips 20mm to 6mm size g 3mm including making drip course in cond- concrete in mixer and placing in position, we ceiling and sides of chajja with sand of F.M. reinforcement) taxes and royalty all complet of E/I. Providing R.C.C M-150 in nominal mix of approved quality of stone chips 20mm to 6 2.5mm to 3mm -dotaxes and royalty all of	graded and clean co crete, screening, shu vibrating, striking, 6 4.1.5, curing, (but ete as per building s (1:2:4) in beam of mm size graded and	15.83 9.00 in chajja with arse sand of attering, mix form cement excluding the specification 3.50 54.17 fall type level declar coars lding specific	0.83 0.83 h approv F.M 2.51 ing ceme t plaster (le cost of and dire 1.5 2 vel with se sand o cation an	0.66 Total- red mm to ent (1:4) in ection Total- of F.M nd	47,250 108,340 155,590		m

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11/5.3.9	Providing R.C.C M-150 in nominal mix of (1:2: quality of stone chips 20mm to 6mm size graded 3mm -dotaxes and royalty all complete as per E/I.	and clean of	coarse sand o	fFM25	mm to			
		1	55.17	29	0.375	599.974		
	2				total	599.974	16.979	1
12/5.7.3	Providing 12mm, cement plaster (1:6) with clear	coarse sand	of F.M.1.5.	including	g			1
	screening, curing with all leads and lifts of water	, scaffolding	g taxes and re	oyalty all				
	complete as per drawing specification and direct	on of E/I.						ì
12		8	10.00	10		800.000		1
	1	4	12.00	10		480.000		
		4	15.00	10		600.000		
		1	20.00	10		200.000		
		2	15.83	10		316.600		
		1	14.83	10		148.300		1
	**:	1	35.66	10		356.600		
		2 .	9.00	10		180.000		
		2	9.00	10		180.000		
	Outerald	4	5.17	10		206.800		
	Outer side	2	54.17	12		1300.080		
	2	2	26.50	12	2)	636.000		
		6	4.83	12		347.760		
		1	159.66	2.5		399.150		
	1.1				total	6151.290		
	less	2	4.00	3.5	7	196.000		
		2	1.00	3	7	42.000		
		2	1.00	2	7	28.000		
		2	12.00	3	-4	288.000		
		2	1.00	9.17	7	128.380		
		2	2.00	10	7	280,000		
		10	2.00	1.5	1	30.000		
		2	2.00	3	1.5	18.000		
		2	5.00	3	1.5	45.000		
312 F					total	1055.380		1
					total	5095.910	473.920	m
3/5.7.6	Providing 6mm thick cement plaster (1:4) in ceiling including screening, curing with all leads and lifts all complete as per drawing specification and direct	of water, so	affolding tax	of F.M. I ses and ro	yalty			
	42	2	12.00	10		240.000		
		1	15.83	20		316.600		
		2 •	15.00	10		300.000		
		1	35.66	9		320.940		
		1	5.17	9		46.530		_
15 C 10/15	To the second second			1	otal	1224.070	113.839	m
/5.6.19(i)	Providing and laying 15-20 mm thick kotah stone s 19mm cement mortar (1:3) and joints filled with gr white cement -do-,taxes and royalty all complete direction of E/I.	ay cement s	lurry, flush i	pointed w	over ith			
		2	12.00	10	, Jac	240,000	(5)	
		1	15.83	20		316.600		
		2	15.00	10		300.000		
		1	35.66	9		320.940		
		1	5.17	9		46.530		
	Step	3	11.66	1		34.980		
						21.200		

0.2

		ľ			1282.370	119.260
15/5.7.11	Providing 1.5mm thick cement punning incompecification and direction of E/I.	cluding curing etc.	complete job	as per		
	plinth protection	1	159.66	2.5	399.150	37.121
6/5.6.23.4	Providing and laying 6mm precast white gl (1:3) and joints filled with gray cement slu ,taxes and royalty all complete as per build	rry, flush pointed v	with white cer	ment -do-		
	5-m-16 15 150 16 15	2	9.00	5	90.000	
	A A	4	5.17	5	103,400	
				total	193.400	
	Less -Door	4	3.00	5	15.000	
		1	2.00	5	10.000	
				total	25.000	
				Net total	168.400	15.661
17/5.8.24	Providing two coat of snowcem of approve primer on new surface including preparing scaffolding, curing and taxes all complete a E/I.	the plastered surfa	ace smooth w	ith sand paper,		
			m no- 12&13			587.758
18/5.5.29	Providing and fixing glazing in Aluminum etc. with PVC/ neoprene gasket etc. compl direction of E/I.	door, window, vete as per the archi	entilator shut itectural draw	ter and partition ing and the		
		4	3.50	7	98.000	
		12	3.00	4	144.000	
				total	242.000	22.506
19/80020	30mm thick Factory made shutter with fran	ne, rail and panels	of PVC extri	ided sections in		
D.S.R	white, ,grey or wooden finish				1	i
		1	3.00	7	21.000	
		1	2.00	7	. 14.000	2 244
					35.000	3.255
20/5.5.18	Supplying, fitting, and fixing fully glazed s rolled 'Z' and mullion -do- in P.C.C. (1:2 steel work, taxes all complete as per drawi	:4) blocks-do- a pr	iming red lea	d paint over		r was the same
		2	3.00	1.5	9.000	0.837
21/5.5.12	Supplying, fitting, and fixing M.S. grill m design and drawing, properly fabricated, v finished smooth, carriage of grill to site, ho	vith joints continue	ous fillet welc	led and		
		1	10.00	7	70.000	
		1	9.17	7	64.190	
		1	10.00	7	70,000	
		12	3.00	4	144.000	
-Q		1	20.00	8.5	170.000	1037 200
					518.190	1036,380
22/5.5.13	Providing and fixing fan hook with -do-, E/I		(4.			12.000
23/5.8.41+5	Providing two coats of ready mixed paint of including cleaning the surface thoroughly specification and direction of E/I.	scaffolding, taxes	all complete a	s per building		1
		1,6	9.00		14.400	
					The second secon	
		1.6	518.19		829.104	2200

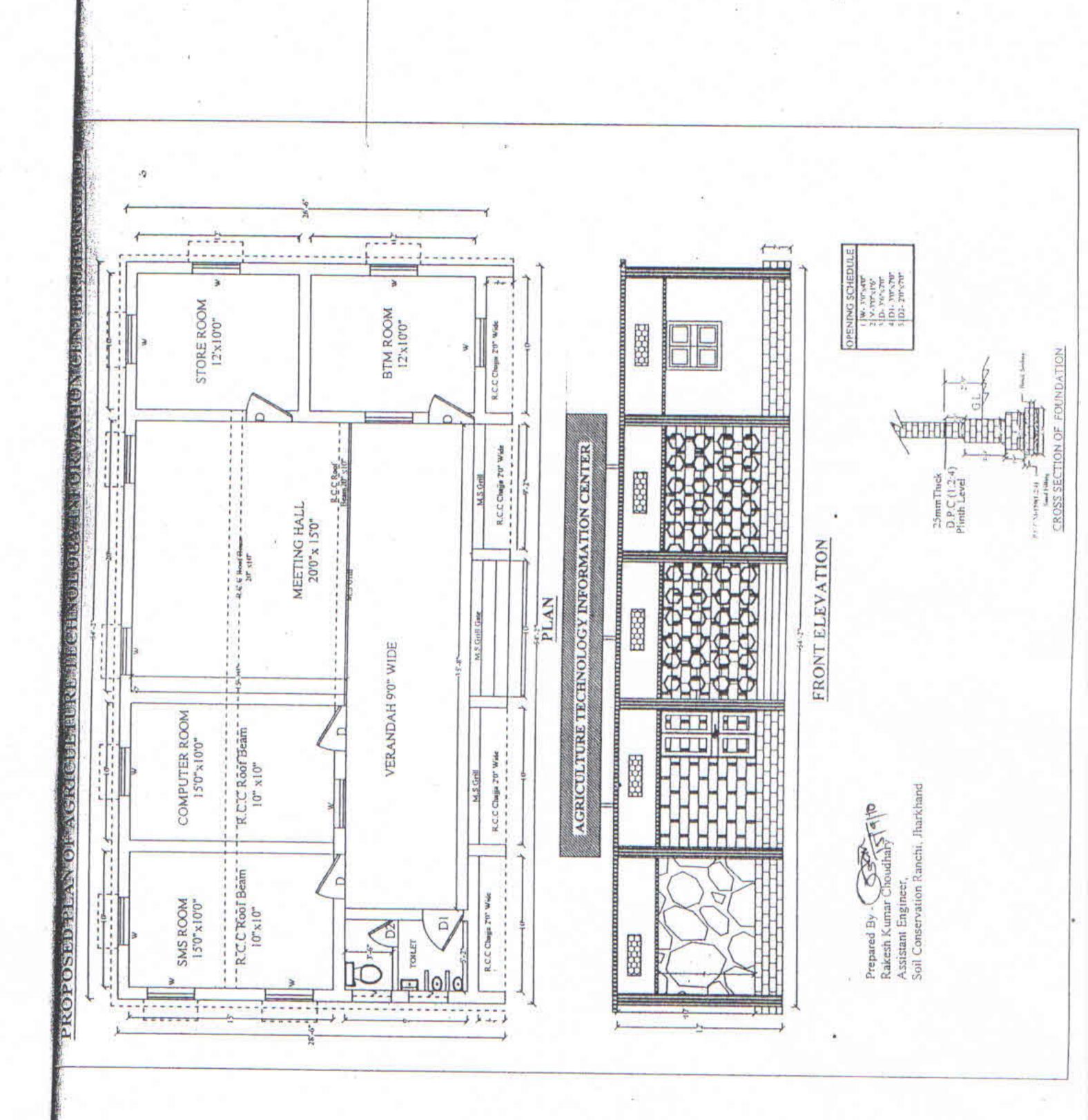
24/5.5.4	Providing Tor steel reinforcement above 8mm dia redrawing excluding carriage of M S. Rods(straight or bending, and binding with annealed wire with cost or rods in position all complete as per building specific	r in coil) to work site, cutting, of wire ,removal of rust, placing the		
	Item No-8		138.862	
	Item No-9		38.898	
	Item No-10	x	69.434	
	Item No-11		599.974	
		total	847.167	2.118
25/5.10.34	Providing 150mm, wide brick drain in cement morta and 125mm apron including cost of earth work invo (1:4:3) over one brick designation 75 A, flat soling the drain duty plastered in C.M.(1:3) with punning of per building specification and direction of E/I.	lved with 75mm cement concrete in proper grade and slope at the base		
		1 159.66	159.660	48,664

26/ Chapter -III	CARRIAGE OF MATERIAL	L			
	ITEMS		KM	QUANT	TTY
	Sand		10	167.00	m³
	Cement		10	40.20	mt
	Chips		30	90.29	m3
	Bricks		15	63393.50	Nos
	Steel	Ü.	10	2.12	mt

Assistant Engineer

Soil Conservation, Ranchi

Dy. Director (Engg)



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ABSTRACT OF COST FOR CONSTRUCTION OF GENRATOR ROOM AT AGRICULTURE TECHNOLOGY INFORMATION CENTER, JHARKHAND

S.NO	PARTICULARS	QUANTITY	UNIT	RATE	AMOUNT
1/5.1.1	E\W in excavation in foundation trenches in ordinary soil (vide classification of soil item -A) and disposal of excavated earth as obtained to a distance up to 50 Mdo all complete as per	0.105	M³	48.07	441.99
	approved design, building specification and direction of E/I.	9.195	M	48.07	441.99
2/5.1.10	Providing coarse clean sand in filling in foundation trenches or in plinth including ramming and watering in layers not exceeding 150mmdo all complete as per building specification and direction of E/I.	5.238	M³	• 115.76	606.31
3/5.6.1	Providing designation 75A one brick flat soling joints filled with local sand including cost of watering taxes royalty all complete as building specification and direction of E/I.	21.295	M²	122.92	2617.60
1/5.3.2	Providing P.C.C M-100 in nominal mix of (1:2:4) in foundation with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm -do all complete as per building specification and direction of E/I.	1.474	M³	3493.58	5148.57
5/5.2.3	Providing designation 75A Brick work in C.M (1:6) in foundation with approved quality of clean coarse sand of F.M. 2 to 2.5 -do- all complete as per building specification and	6.002	N/O	2164.22	15112.20
	direction of E/I	6.983	M³	2104.22	151.12.2
6/5.3.16	Providing 25mm thick damp proof course with cement concrete M-150 with nominal mix of (1:2:4) with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm -dotaxes and royalty all complete as per building specification and direction of E/I.	3.344	M²	106.02	354.5
7/5.2.11	Providing designation 75A Brick work in C.M (1:6) in Super structure with approved quality of clean coarse sand of F.M. 2 to 2.5 -do all complete as per building specification and direction of E/I	8.083	M³	2208.50	17850.8
3/5.3.8	Providing R.C.C M-150 in nominal mix of (1:2:4) in Lintal with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm -do-taxes and royalty all complete as per building specification and direction of E/1.	0.672	M ³	4412.45	2963.3
,	Providing Av 63mm R.C.C M-150 in nominal mix of (1:2:4) in chajja with approved quality of stone chips 20mm to 6mm size —do- all complete as per building specification and direction of E/I.	1.535	M²	525.39	806.2
10/5.3.9	Providing R.C.C M-150 in nominal mix of (1:2:4) in roof slab level with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm -do-taxes and royalty all complete as per building specification and direction of E/I.	1.497	M³	4467.93	6687.6
11/5.7.3	Providing 12mm, cement plaster (1:6) with clean coarse sand of				
PORTORIA ROPERO	F.M.1.5. including screening, curing with all leads and lifts of water, scaffolding taxes and royalty all complete as per drawing specification and direction of E/I.	77.997	M²	60.88	4748.4
12/5.7.6	Providing 6mm.thick cement plaster (1:4) in ceiling with clean coarse sand of F.M.1.5. including screening, curing with all leads and lifts of water, scaffolding taxes and royalty all complete as per drawing specification and direction of E/I.	9.300	M²	60.57	563.3
13/5.6.9	Providing 50mm thick cement concrete flooring (1:2:4) with 20mm to 6mm. size graded stone chips finished with flooring cost of neat cement in panels including cost of curing, finishing the surface smooth by rubbing with -do- all complete as per drawing specification and direction of E/I.	11.223	M²	224.80	2522.9

19					
14/5.8.24	Providing two coat of snowcem of approved shade and make over a coat of cement primer on new surface including preparing the plastered surface smooth with sand paper, scaffolding, curing and taxes all complete as per building specification and direction of E/I.	87.297	M²	40.94	3573.95
5/5.5.29	Supplying, fitting, and fixing, 20 gauge G.C.I. sheet gate fitted on M.S. angle frame of size 60x60x6mm. including cost of fabrication, providing necessary locking arrangement with haskal and domny duty fixed in P.C.C. (1:2:4) blocks of required size, applying a priming red lead paint over steel work, taxes all complete as per drawing specification and direction of E/I.	4.511	M²	1896.57	8554.48
6/5.5.18	Supplying, fitting, and fixing fully glazed steel doors & windows or ventilator of standard rolled 'Z' and mullion -do-in P.C.C. (1:2:4) blocks-do- a priming red lead paint over steel work, taxes all complete as per drawing specification and direction of E/I.	0.837	M²	1719.55	1439.26
7/5.5.13	Providing and fixing fan hook with -do-, all complete, as per specification & direction of E/I	1.000	Each	72.27	72.27
8/5.8.41	Providing two coats of ready mixed paint of approved shade and make over steel surface including cleaning the surface thoroughly scaffolding, taxes all complete as per building specification and direction of E/I.	9.021	M ²	55.81	503.46
9/5.5.4	Providing Tor steel reinforcement above 8mm dia rods as per approved design and drawing excluding carriage of M S. Rods(straight or in coil) to work site, cutting, bending, and binding with annealed wire with cost of wire ,removal of rust, placing the rods in position all complete as per building specification and direction of E/I.	0.202	Mt	43724.78	8826.57
	specification and direction of E/1.			TOTAL-	83393.97
20/ Chap -III	CARRIAGE OF MATERIA	AL			
	ITEMS .	QUANTITY	KM	RATE	
	Sand	14.6797 m³	10	162.78	2389.57
	Cement	3.6108 mt	10	101.74	367.36
	Chips	5.2789 m³	30	295.98	1562.44
	Bricks	6804.4340 No	15	495.44	3371.19
	Steel	0.2019 mt	10	101.74	20.54
	TOTAL-				91105.07

Say Rs-91,100/-

RS-91,100/- (NINETY ONE THOUSAND ONE HUNDRED) ONLY

Assistant Engineer

Soil Conservation, Ranchi

Dy. Director (Engg)

MATERIAL STATEMENT

ITEM NO.	WORKS	QUANTITY	SAND	CEMENT	CHIPS .	BRICKS
5.1.1	E/W	9.1947			7 -	
5.1.10	Sand Filling	5.2376	5.2376			
5.2.3	Brick Work (1:6) in foundation	6.983	2.3951	0.3980		2025 4047
5.2.14	Brick Work (1:6) in Superstructure	8.083	2.7724	0.4607		2835.4947
5.3.2	PCC (1:2:4)	1.4737	0.6632	0.3316	1.3264	3282.1711
5.3.8	Lintel	0.672	0.3022	0.1511	0.6044	
5.3.9	Roof Slab (1:2:4)	1.4968	0.6736	0.3368	1.3471	
5.3.15	Chajja	1.535	0.6905	0.3453	1.3811	
5.3.16	DPC	3.344	0.0512	0.0254	0.1037	
5.6.1	Brick flat Soling	21.295	0.31-94	0.0234	0.1037	(06.7603
5.6.9	Concrete flooring 50mm thick (1:2:4)	11.223	0.2615	0.1369	0.5163	686.7683
5.7.3	Plaster (1:6)	77.997	1.2480	0.2028	0.5105	
5.7.6	Ceiling Plaster (1:4)	9.300	0.0651	0.2028		
		TOTAL-	14.6797m³	2.4072m³	5.2789m³	6804.4340 nos
				3.6108mt		

CARRIAGE OF MATERIAL

ITEMS	QUANTITY	KM
Sand	14.6797 m³	10
Cement	3.6108 m.t	10
Chips	5.2789 m³	30
Bricks	6804.4340 No	15
Steel	0.2019 m.t	10

Assistant Engineer

Soil Conservation, Ranchi

Dy. Director (Engg)

DETAIL ESTIMATE FOR CONSTRUCTION OF GENRATOR ROOM AT AGRICULTURE TECHNOLOGY INFORMATION CENTER, JHARKHAND

	PARTICULARS	NOS	L	В	H	QUANT	TTY	
1/5.1.1	E\W in excavation in foundation of soil item,—A) and disposal of to 50 Mdo all complete as per direction of E/I.	excavated earth	as obtained	to a dista	nce up	- Volume		
	P 2	2	13.33	2.5	3	199.950		i
		2	8.33	2.5	3	124.950		
					total	324,900	9.195	5
2/5.1.10	Providing coarse clean sand in fill including ramming and watering i complete as per building specifica	n layers not exc	eeding 1501	or in plint mmdo-	h - all			
		2	13.33	2.5	0.25	16.663	1 2	
		2	8.33	2.5	0.25	10.413		
		1	10	10	1.58	158.000		
2/5/4					total	185.075	5.238	
3/5.6.1	Providing designation 75A one bri including cost of watering taxes re and direction of E/I.	ck flat soling jo yalty all compl	oints filled wete as buildi	vith local : ng specifi	sand cation			
		2	13.33	2.5		66.650		
		2	8.33	2.5		41.650		
		1	10	10		100.000		
		1	5.17	4		20.680		1
					total	220 000	21.295	
4/5.3.2	Providing P.C.C M-100 in nomina approved quality of stone chips 20 sand of F.M. 2.5mm to 3mm do	mm to 6mm siz	e graded and	d clean co	arce	228.980	21.275	
4/5.3.2	Providing P.C.C M-100 in nomina approved quality of stone chips 20 sand of F.M 2.5mm to 3mm -do-and direction of E/I.	mm to 6mm siz	e graded and	d clean co specifica	arse tion		21.275	
4/5,3.2	sand of F.M 2.5mm to 3mm -do-	mm to 6mm siz	e graded and per building	d clean co	arse tion	16.663	21.275	
4/5.3.2	sand of F.M 2.5mm to 3mm -do-	mm to 6mm siz	e graded and per building 13.33	d clean co specifica 2.5	arse tion	16.663 10.413	21.275	
	sand of F.M 2.5mm to 3mm -do and direction of E/I.	nm to 6mm siz all complete as 2 2	e graded and per building 13.33 8.33	2.5 2.5 10	0.25 0.25 0.25 total	16.663	1.474	
	Providing designation 75A Brick was approved quality of clean coarse saper building specification and direction	all complete as 2 2 1 ork in C.M (1:6 and of F.M. 2 to	13.33 8.33 *10 b) in founda 2.5 –do al	2.5 2.5 10	0.25 0.25 0.25 total	16.663 10.413 25.000		
	approved quality of stone chips 200 sand of F.M 2.5mm to 3mm -do-and direction of E/I. Providing designation 75A Brick was approved quality of clean coarse sa	all complete as 2 2 1 ork in C.M (1:6 and of F.M. 2 to	13.33 8.33 •10 in founda 2.5 –do al	2.5 2.5 10	0.25 0.25 0.25 total	16.663 10.413 25.000		
	Providing designation 75A Brick wapproved quality of clean coarse saper building specification and direction of lst footing	all complete as 2 2 1 ork in C.M (1:6 and of F.M. 2 to	13.33 8.33 *10 6) in founda 2.5 –do al 12.83 8.83	2.5 2.5 10 ation with 1 complete	0.25 0.25 0.25 total	16.663 10.413 25.000 52.075		
	Providing designation 75A Brick was approved quality of clean coarse saper building specification and direction	all complete as 2 2 1 ork in C.M (1:6 and of F.M. 2 to	13.33 8.33 *10 6) in founda 2.5 –do al 12.83 8.83 12.08	2.5 2.5 10 ation with 1 complete	0.25 0.25 0.25 total e as	16.663 10.413 25.000 52.075 51.320 35.320 65.534		
	Providing designation 75A Brick wapproved quality of clean coarse saper building specification and direction of State of the specification and direction of State of the specification and direction of State of S	all complete as 2 2 1 ork in C.M (1:6 and of F.M. 2 to	13.33 8.33 •10 6) in founda 2.5 –do al 12.83 8.83 12.08 9.58	2.5 2.5 10 ation with 1 complete 2 1.25 1.25	0.25 0.25 0.25 total	16.663 10.413 25.000 52.075 51.320 35.320		
	Providing designation 75A Brick wapproved quality of clean coarse saper building specification and direction of lst footing	all complete as 2 2 1 ork in C.M (1:6 and of F.M. 2 to	13.33 8.33 *10 6) in founda 2.5 -do al 12.83 8.83 12.08 9.58 11.66	2.5 2.5 10 2.5 1.25 1.25 1.25 0.83	0.25 0.25 0.25 total e as	16.663 10.413 25.000 52.075 51.320 35.320 65.534		
75.2.3	Providing designation 75A Brick wapproved quality of clean coarse saper building specification and direction of E/I. 2nd Footing 3rd footing	all complete as 2 2 1 ork in C.M (1:6 and of F.M. 2 to	13.33 8.33 •10 6) in founda 2.5 -do al 12.83 8.83 12.08 9.58 11.66 10	2.5 2.5 10 2.5 10 2 1.25 1.25 1.25 0.83 0.83	0.25 0.25 0.25 total e as	16.663 10.413 25.000 52.075 51.320 35.320 65.534 51.972		
	Providing designation 75A Brick wapproved quality of clean coarse saper building specification and direction of State of the specification and direction of State of the specification and direction of State of S	all complete as 2 2 1 ork in C.M (1:6 and of F.M. 2 to	13.33 8.33 *10 6) in founda 2.5 -do al 12.83 8.83 12.08 9.58 11.66	2.5 2.5 10 2.5 1.25 1.25 1.25 0.83	0.25 0.25 0.25 total e as	16.663 10.413 25.000 52.075 51.320 35.320 65.534 51.972 19.356 16.600 6.640	1.474	
/5.2.3	approved quality of stone chips 20 sand of F.M 2.5mm to 3mm -do-and direction of E/I. Providing designation 75A Brick wapproved quality of clean coarse saper building specification and directly lateral footing 2nd Footing 3rd footing Ramp	all complete as 2 2 1 ork in C.M (1:6 nd of F.M. 2 to tion of E/1 2 2 2 2 2 1	13.33 8.33 •10 0) in founda 2.5 –do al 12.83 8.83 12.08 9.58 11.66 10 4	2.5 2.5 10 2.5 10 2 1.25 1.25 0.83 0.83 0.83	0.25 0.25 0.25 total e as	16.663 10.413 25.000 52.075 51.320 35.320 65.534 51.972 19.356 16.600		
5/5.2.3	Providing designation 75A Brick wapproved quality of clean coarse saper building specification and direction of E/I. 2nd Footing 3rd footing	all complete as 2 2 1 ork in C.M (1:6 nd of F.M. 2 to tion of E/I 2 2 2 2 1 course with cem ed quality of sto F.M 2.5mm to	13.33 13.33 10 13.33 10 13.33 10 12.83 12.83 12.08 9.58 11.66 10 4 ent concrete one chips 20 3mm -do-d direction	2.5 2.5 10 2.5 10 2 1.25 1.25 0.83 0.83 0.83	0.25 0.25 0.25 total e as	16.663 10.413 25.000 52.075 51.320 35.320 65.534 51.972 19.356 16.600 6.640	1.474	
5/5.2.3	approved quality of stone chips 200 sand of F.M 2.5mm to 3mm -do-and direction of E/I. Providing designation 75A Brick wapproved quality of clean coarse saper building specification and directly lateral footing 2nd Footing 3rd footing Ramp Providing 25mm thick damp proof of nominal mix of (1:2:4) with approve size graded and clean coarse sand of	all complete as 2 2 1 ork in C.M (1:6 nd of F.M. 2 to tion of E/1 2 2 2 2 1 course with cem ed quality of sto F.M 2.5mm to specification an 2	13.33 8.33 10 12.83 8.83 12.08 9.58 11.66 10 4 ent concrete one chips 20 3mm -do	2.5 2.5 10 2.5 10 2 1.25 1.25 0.83 0.83 0.83	0.25 0.25 0.25 total e as	16.663 10.413 25.000 52.075 51.320 35.320 65.534 51.972 19.356 16.600 6.640	1.474	
4/5.3.2 5/5.2.3	approved quality of stone chips 200 sand of F.M 2.5mm to 3mm -do-and direction of E/I. Providing designation 75A Brick wapproved quality of clean coarse saper building specification and directly lateral footing 2nd Footing 3rd footing Ramp Providing 25mm thick damp proof of nominal mix of (1:2:4) with approve size graded and clean coarse sand of	all complete as 2 2 1 ork in C.M (1:6 nd of F.M. 2 to tion of E/I 2 2 2 2 1 course with cem ed quality of sto F.M 2.5mm to	13.33 13.33 10 13.33 10 13.33 10 12.83 12.83 12.08 9.58 11.66 10 4 ent concrete one chips 20 3mm -do-d direction	2.5 2.5 10 tion with complete 2 1.25 1.25 0.83 0.83 0.83 0.83 0.83 0.83	0.25 0.25 0.25 total e as	16.663 10.413 25.000 52.075 51.320 35.320 65.534 51.972 19.356 16.600 6.640 246.741	1.474	

7/5.2.11	Providing designation 75A Brick wor approved quality of clean coarse sand	of F.M. 2 to	2.5 -do al	complet	e as	•	
	per building specification and direction	on of E/I	11.66	0.02	10	193.556	
		2	11.66	0.83	10	166.000	
,		2	10	0.83	10	359.556	
		A+	9.5	0.00	Total-		
	Less- Door	1	3.5	0.83	/	20.335	
.0	Window	2	3	0.83	4	19.920	
	Lintel	1	43.32	0.83	0.66	23.731	
	Ventilator	2	1.5	0.83	1	2.490	
	grill window	2	3	0.83	1.5	7.470	
		1		ora kazz ko	Total-	73.946	8.083
2				Net Tota		285.610	8.003
3/5.3.8	Providing R.C.C M-150 in nominal requality of stone chips 20mm to 6mm 2.5mm to 3mm -do-taxes and royalt specification and direction of E/I.	size graded a	ind clean coa	arse sand	of F.M		
		2	11.66	0.83	0.66	12.775	
		2	10	0.83	0.66	10.956	0 3-1
					Total-	23.731	0.672
	approved quality of stone chips 20mm sand of F.M 2.5mm to 3mm includin screening, shuttering, mixing cement position, vibrating, striking, 6mm cer	g making dri concrete in r ment plaster (p course in c nixer and pl (1:4) in ceili	concrete, acing in ng and sic	les of		
	sand of F.M 2.5mm to 3mm includin	g making dri concrete in r ment plaster ((but excludin	nixer and pl (1:4) in ceiling the cost of cification an	concrete, acing in ng and sid f reinforce d directio	les of ement)	10.500	
	sand of F.M 2.5mm to 3mm includin screening, shuttering, mixing cement position, vibrating, striking, 6mm cer chajja with sand of F.M.1.5, curing, taxes and royalty all complete as per	g making dri concrete in r ment plaster ((but excludin	p course in on nixer and pl (1:4) in ceiling the cost of	concrete, acing in ng and sid f reinforc	les of ement)	10.500	
	sand of F.M 2.5mm to 3mm includin screening, shuttering, mixing cement position, vibrating, striking, 6mm cer chajja with sand of F.M.1.5, curing, taxes and royalty all complete as per	g making dri concrete in r ment plaster ((but excludin	nixer and pl (1:4) in ceiling the cost of cification an	concrete, acing in ng and sid f reinforce d directio	les of ement) n of	6.000	1 535
9/5.3.15	sand of F.M 2.5mm to 3mm includin screening, shuttering, mixing cement position, vibrating, striking, 6mm cerchajja with sand of F.M.1.5, curing, taxes and royalty all complete as per E/I.	g making dri concrete in r ment plaster ((but excluding building spec	p course in conixer and place (1:4) in ceiling the cost of cification and 3.5	oncrete, acing in ng and sid f reinforce d directio	les of ement) n of		1.535
	sand of F.M 2.5mm to 3mm includin screening, shuttering, mixing cement position, vibrating, striking, 6mm cer chajja with sand of F.M.1.5, curing, taxes and royalty all complete as per	g making drip concrete in rement plaster ((but excluding building special control of (1:2:4) mix of (1:2:4) m to 6mm sizes and royalt	nixer and place in control (1:4) in ceiling the cost of cification and 3.5 4 In roof slate graded and y all complete the complete comple	acing in acing and side of reinforced direction 1.5 1.5 1.5 1.5 1.5	les of ement) n of Total-ith earse	6.000 16.500	1.535
	sand of F.M 2.5mm to 3mm includin screening, shuttering, mixing cement position, vibrating, striking, 6mm cerchajja with sand of F.M.1.5, curing, taxes and royalty all complete as per E/I. Providing R.C.C M-150 in nominal rapproved quality of stone chips 20mm sand of F.M 2.5mm to 3mm -dotaxes.	g making drip concrete in rement plaster ((but excluding building special control of (1:2:4) mix of (1:2:4) m to 6mm sizes and royalt	p course in conixer and place (1:4) in ceiling the cost of cification and 3.5 4) in roof slate graded and	oncrete, acing in ng and sid f reinforce d directio 1.5 1.5 b level we d clean co	Total- ith parse	6.000 16.500 52.891	
10/5.3.9	sand of F.M 2.5mm to 3mm includin screening, shuttering, mixing cement position, vibrating, striking, 6mm cerchajja with sand of F.M.1.5, curing, taxes and royalty all complete as per E/I. Providing R.C.C M-150 in nominal rapproved quality of stone chips 20mm sand of F.M 2.5mm to 3mm -dotax building specification and direction of the same specification and direction of the same strike and the same same same same same same same sam	g making drip concrete in rement plaster ((but excluding building special spe	p course in conixer and place (1:4) in ceiling the cost of cification and 3.5 4 In roof slate graded and y all completed and c	acing in acing and side freinforced direction 1.5 1.5 1.5 1.5 1.6 1.6 1.6	Total- ith barse	6.000 16.500	1.497
10/5.3.9	sand of F.M 2.5mm to 3mm includin screening, shuttering, mixing cement position, vibrating, striking, 6mm cerchajja with sand of F.M.1.5, curing, taxes and royalty all complete as per E/I. Providing R.C.C M-150 in nominal rapproved quality of stone chips 20mm sand of F.M 2.5mm to 3mm -dotaxes.	g making drip concrete in rement plaster ((but excluding building special spe	p course in conixer and place (1:4) in ceiling the cost of cification and the cost of cification and the cost of complete the course sand of water, so	acing in a ng and sid freinforced direction 1.5 1.5 1.5 1.5 1.6 of F.M.1. caffolding	Total- ith barse 0.33 total 5. taxes	52.891 52.891	
10/5.3.9	sand of F.M 2.5mm to 3mm includin screening, shuttering, mixing cement position, vibrating, striking, 6mm cerchajja with sand of F.M.1.5, curing, taxes and royalty all complete as per E/I. Providing R.C.C M-150 in nominal rapproved quality of stone chips 20m sand of F.M 2.5mm to 3mm -do-tax building specification and direction of the providing 12mm, cement plaster (1:6 including screening, curing with all line luding screening, curing with all line luding screening.	g making drip concrete in rement plaster ((but excluding building special spe	p course in conixer and place (1:4) in ceiling the cost of cification and 3.5 4 in roof slate graded and y all complete the coarse sand sof water, so the coarse sand and direction an	acing in a ng and side freinforced direction of E 10 and side freinforced direction 1.5 affolding ction of E 10	Total- ith barse 0.33 total 5. taxes	52.891 52.891 400.000	
10/5.3.9	sand of F.M 2.5mm to 3mm includin screening, shuttering, mixing cement position, vibrating, striking, 6mm cerchajja with sand of F.M.1.5, curing, taxes and royalty all complete as per E/I. Providing R.C.C M-150 in nominal rapproved quality of stone chips 20m sand of F.M 2.5mm to 3mm -do-tax building specification and direction of the providing 12mm, cement plaster (1:6 including screening, curing with all line luding screening, curing with all line luding screening.	g making drip concrete in rement plaster ((but excluding building special spe	p course in conixer and place (1:4) in ceiling the cost of cification and an are graded and a coarse sand a of water, so the coarse sand and direction and d	acing in a ng and side of F.M.1. caffolding ction of E	Total- ith parse 0.33 total 5. taxes	52.891 52.891 400.000 559.680	
10/5.3.9	sand of F.M 2.5mm to 3mm includin screening, shuttering, mixing cement position, vibrating, striking, 6mm cerchajja with sand of F.M.1.5, curing, taxes and royalty all complete as per E/I. Providing R.C.C M-150 in nominal rapproved quality of stone chips 20mm sand of F.M 2.5mm to 3mm do-tax building specification and direction of the same strike including screening, curing with all land royalty all complete as per draw	g making drip concrete in rement plaster ((but excluding building special spe	p course in conixer and place (1:4) in ceiling the cost of cification and 3.5 4 in roof slate graded and y all complete the coarse sand sof water, so the coarse sand and direction an	acing in and side of reinforced direction of F.M.1. caffolding ction of E	Total- ith barse 0.33 total 5. taxes	52.891 52.891 52.891 400.000 559.680 959.680	
10/5.3.9	sand of F.M 2.5mm to 3mm includin screening, shuttering, mixing cement position, vibrating, striking, 6mm cerchajja with sand of F.M.1.5, curing, taxes and royalty all complete as per E/I. Providing R.C.C M-150 in nominal rapproved quality of stone chips 20mm sand of F.M 2.5mm to 3mm do-tax building specification and direction of the same strike including screening, curing with all land royalty all complete as per draw	g making drip concrete in rement plaster ((but excluding building special spe	p course in conixer and place (1:4) in ceiling the cost of cification and 3.5 4 in roof slate graded and y all complete the coarse sand sof water, so the coarse sand and direction an	acing in a ng and side freinforced direction of E 10 and side freinforced direction 1.5 affolding ction of E 10	Total- ith parse 0.33 total 5. taxes	52.891 52.891 52.891 400.000 559.680 959.680 49.000	
10/5.3.9	sand of F.M 2.5mm to 3mm including screening, shuttering, mixing cement position, vibrating, striking, 6mm cerebajja with sand of F.M.1.5, curing, taxes and royalty all complete as per E/I. Providing R.C.C M-150 in nominal reapproved quality of stone chips 20mm sand of F.M 2.5mm to 3mm—dotax building specification and direction of the providing 12mm. cement plaster (1:0 including screening, curing with all leand royalty all complete as per draw Outer side	g making drip concrete in rement plaster ((but excluding building special spe	p course in conixer and place (1:4) in ceiling the cost of cification and 3.5 4 in roof slate graded and y all complete the coarse sand sof water, so the coarse sand and direction an	acing in ag and side freinforced direction of F.M.1. caffolding ction of E 10 12 3.5	Total- ith parse 0.33 total 5. taxes	52.891 52.891 52.891 400.000 559.680 959.680 49.000 48.000	
10/5.3.9	sand of F.M 2.5mm to 3mm including screening, shuttering, mixing cement position, vibrating, striking, 6mm cerebajja with sand of F.M.1.5, curing, taxes and royalty all complete as per E/I. Providing R.C.C M-150 in nominal reapproved quality of stone chips 20mm sand of F.M 2.5mm to 3mm—dotax building specification and direction of the providing 12mm. cement plaster (1:0 including screening, curing with all leand royalty all complete as per draw Outer side	g making drip concrete in rement plaster ((but excluding building special spe	p course in conixer and place (1:4) in ceiling the cost of cification and 3.5 4 in roof slate graded and y all complete the coarse sand sof water, so the coarse sand and direction an	acing in and side of reinforced direction of F.M.1. caffolding ction of E	Total- ith parse 0.33 total 5. taxes	52.891 52.891 52.891 400.000 559.680 959.680 49.000 48.000 6.000	
10/5.3.9	sand of F.M 2.5mm to 3mm including screening, shuttering, mixing cement position, vibrating, striking, 6mm cerebajja with sand of F.M.1.5, curing, taxes and royalty all complete as per E/I. Providing R.C.C M-150 in nominal reapproved quality of stone chips 20mm sand of F.M 2.5mm to 3mm—dotax building specification and direction of the providing 12mm. cement plaster (1:0 including screening, curing with all leand royalty all complete as per draw Outer side	g making drip concrete in rement plaster ((but excluding building special spe	p course in conixer and place (1:4) in ceiling the cost of cification and 3.5 4 in roof slate graded and y all complete the coarse sand sof water, so the coarse sand and direction an	acing in ag and side freinforced direction of F.M.1. caffolding ction of E 10 12 3.5	Total- ith parse 0.33 total 5. taxes	52.891 52.891 52.891 400.000 559.680 959.680 49.000 48.000 6.000 18.000	
10/5.3.9	sand of F.M 2.5mm to 3mm including screening, shuttering, mixing cement position, vibrating, striking, 6mm cerebajja with sand of F.M.1.5, curing, taxes and royalty all complete as per E/I. Providing R.C.C M-150 in nominal reapproved quality of stone chips 20mm sand of F.M 2.5mm to 3mm—dotax building specification and direction of the providing 12mm. cement plaster (1:0 including screening, curing with all leand royalty all complete as per draw Outer side	g making drip concrete in rement plaster ((but excluding building special spe	p course in conixer and place (1:4) in ceiling the cost of cification and 3.5 4 in roof slate graded and y all complete the coarse sand sof water, so the coarse sand and direction an	acing in ag and side freinforced direction of F.M.1. caffolding ction of E 10 12 3.5	Total- ith parse 0.33 total 5. taxes	52.891 52.891 52.891 400.000 559.680 959.680 49.000 48.000 6.000	

(1)

12/5.7.6	Providing 6mm.thick cement plaster (F.M.1.5. including screening, curing viscaffolding taxes and royalty all compared irection of E/I.	with all leads	and lifts of v	vater,			
		1	10.00	10	100.000	0.300	3.02
8	A.			total	100.000	9.300	M
13/5.6.9	Providing 50mm thick cement concre- size graded stone chips finished with including cost of curing, finishing the complete as per drawing specification	flooring cost surface smo	of neat ceme oth by rubbin	nt in panels			
	Pour Print and P	1	10.00	10	100.000		
		1	5.17	4	20.680		
		12	134	total	120.680	11.223	M ²
15/5.5.29	smooth with sand paper, scaffolding, building specification and direction of Supplying, fitting, and fixing, 20 gauge frame of size 60x60x6mm, including locking arrangement with haskal and blocks of required size, applying a principle.	curing and ta f E/I. Sum of i ge G.C.I. she cost of fabric domny duty iming red lea	tem No-12& et gate fitted cation, provid fixed in P.C.0 d paint over s	on M.S. angle ing necessary C. (1:2:4) steel work,		87.297	M ²
	taxes all complete as per drawing spe	cification and		E/1.	24.500		
		1	3.5	1	24.000		
		2	3	total	48.500	4.511	MP
16/5.5.18	Supplying, fitting, and fixing fully glass of standard rolled 'Z' and mullion -dered lead paint over steel work, taxes a and direction of E/I.	o- in P.C.C.	(1:2:4) block	s-do- a priming	9.000	0.837	M²
17/5.5.13	Providing and fixing fan hook with -	do-, all com	olete, as per s	pecification & dire	ction of E/I	1.000	Eac
18/5.8.41+5.8.43	Providing two coats of ready mixed p steel surface including cleaning the st complete as per building specification	aint of appro arface thorou	ved shade an ghly scaffold	d make over			
	58 MAG	2	48,500		97.000		
				total	97.000	9.021	M ²

(A)

40

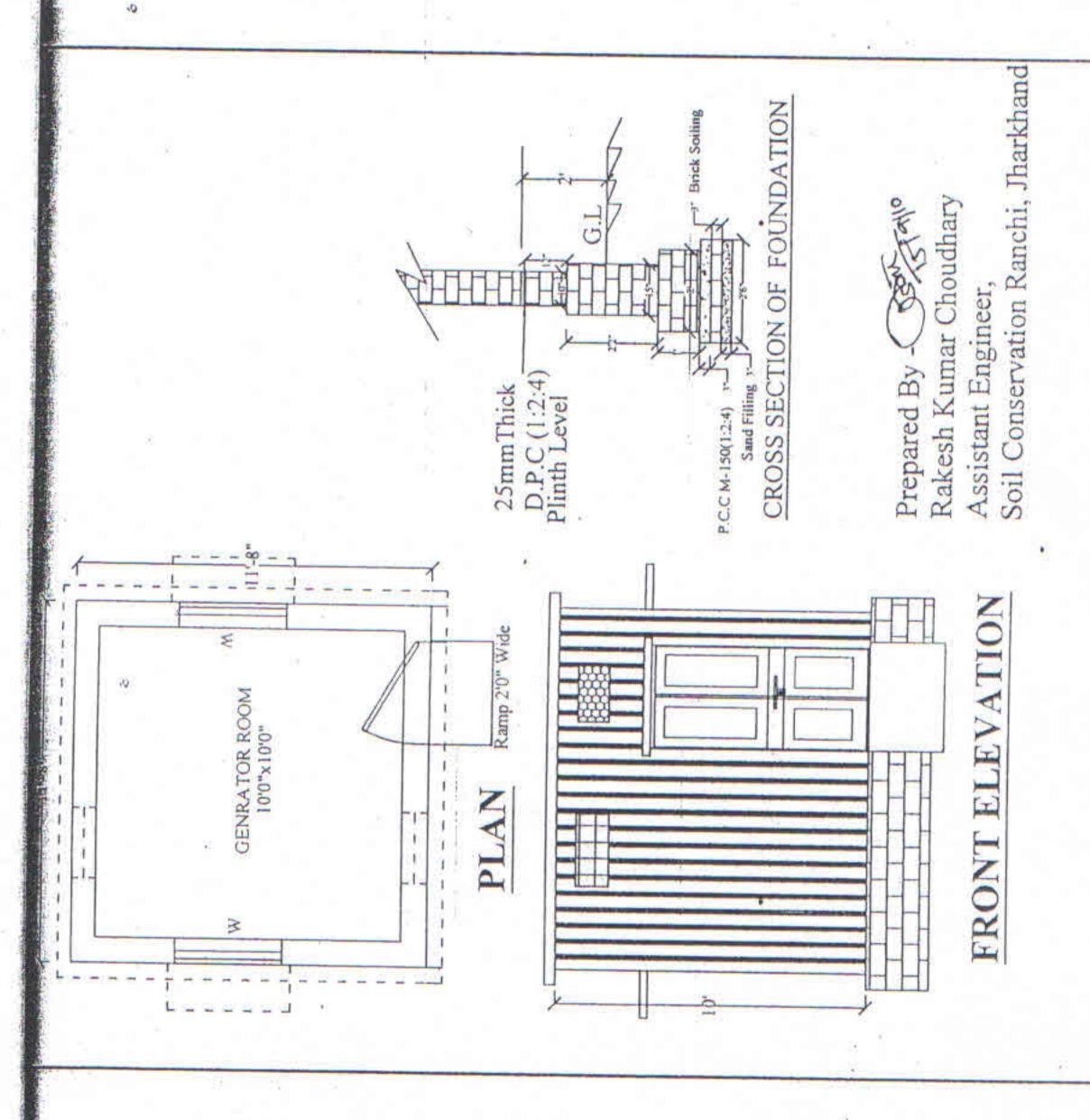
19/5.5.4	Providing Tor steel reinforcement above 8mm dia ro- design and drawing excluding carriage of M S. Rods- work site, cutting, bending, and binding with anneale ,removal of rust, placing the rods in position all com- specification and direction of E/I.	straight or in coil) to d wire with cost of wire			
	Item No-8 Item No-9		.23.731 4.125		
	Item No-10	total	52.891 80.747	0.202	Mt

20/Chapter -III	CAR	RIAGE OF MATER	IAL
	ITEM S	Km	Quantity
	Sand	10	14.6797 m³
	Cement	10	3.6108 mt
	Chips	30	5.2789 m³
	Bricks	. 15	6804.4340 Nos
	Steel	10	0.2019 mt

Assistant Engineer

Soil Conservation, Ranchi

Dy. Director (Engg)



33

PROPOSED PLAN OF GENRATOR ROOM AT A.T.I CENTER, JHARKHAND

ABSTRACT OF COST FOR CONSTRUCTION OF SEPTIC TANK &TOILET AT AGRICULTURE TECHNOLOGY INFORMATION CENTER, JHARKHAND

S. NO	PARTICULARS	QUANTITY	UNIT	RATE	AMOUNT
1/5.1.1	E\W in excavation in foundation trenches in ordinary soil (vide classification of soil item -A) and disposal of excavated earth as obtained to a distance up to 50 Mdo all complete as per approved design, building specification and direction of E/I.	15.434	M³	48.07	741.92
2/5.1.10	Providing coarse clean sand in filling in foundation trenches or in plinth including ramming and watering in layers not exceeding 150mmdo all complete as per building specification and direction of E/I.	1.826	М³	115.76	211.41
3/5.6.1	Providing designation 75A one brick flat soling joints filled with local sand including cost of watering taxes royalty all complete as building specification and direction of E/I.	13.126	M²	122.92	1613.45
4/5.3.2	Providing P.C.C M-100 in nominal mix of (1:2:4) in foundation with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm -do all complete as per building specification and direction of E/I.	0.843	M³	3493.58	2945.04
5/5.2.3	Providing designation 75A Brick work in C.M (1:6) in foundation with approved quality of clean coarse sand of F.M. 2 to 2.5 -doall complete as per building specification and direction of E/I	7.448	M³	2164.22	16119.10
6/5.3.16	Providing 25mm thick damp proof course with cement concrete M- 150 with nominal mix of (1:2:4) with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm -dotaxes and royalty all complete as per building specification and direction of E/I.	3.448	M^2	106.02	365.85
7/5.2.11	Providing designation 75A Brick work in C.M (1:6) in Super structure with approved quality of clean coarse sand of F.M. 2 to 2.5 -do all complete as per building specification and direction of E/I	4.396	M³	2208.50	9709.27
8/5.3.8	Providing R.C.C M-150 in nominal mix of (1:2:4) in Lintal with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm -dotaxes and royalty all complete as per building specification and direction of E/I.	0.074	M^3	4412.45	324.92
9/5.3.15	Providing Av 63mm R.C.C M-150 in nominal mix of (1:2:4) in chajja with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm including making drip course in concrete, screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, 6mm cement plaster (1:4) in ceiling and sides of chajja with sand of F.M.1.5, curing, (but excluding the cost of reinforcement) taxes and royalty all complete as per building specification and direction of E/I.	0.419	M ³	525.39	219.88
10/5_3.11	Providing R.C.C M-150 in nominal mix of (1:2:4) in beam of all type level with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm -dotaxes and royalty all complete as per building specification and direction of E/I.	0.101	M^3	5338.87	538.12
11/5.3.9	Providing R.C.C M-150 in nominal mix of (1:2:4) in roof slab level with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M 2.5mm to 3mm -dotaxes and royalty all complete as per building specification and direction of E/I.	0.777	M ³	4467.93	3470.25

12/5.7.3	Providing 12mm. cement plaster (1:6) with clean coarse sand of F.M.1.5. including screening, curing with all leads and lifts of water, scaffolding taxes and royalty all complete as per drawing specification and direction of E/I.	63.241	M²	60.88	3850,41
3/5.7.6	Providing 6mm thick cement plaster (1:4) in ceiling with clean coarse sand of F.M.1.5. including screening, curing with all leads and lifts of water, scaffolding taxes and royalty all complete as per drawing specification and direction of E/I.	1.139	M²	60.57	69.00
14/5.7.11	Providing 1.5mm thick cement punning including curing etc. complete job as per specification and direction of E/I.	35.619	M²	23.63	841.68
15/5.6.9	Providing 50mm thick cement concrete flooring (1:2:4) with 20mm to 6mm, size graded stone chips finished with flooring cost of neat cement in panels including cost of curing, finishing the surface smooth by rubbing with —do- all complete as per drawing specification and direction of E/I.	3.011	M²	224.80	676.84
16/5.8.24	Providing two coat of snowcem of approved shade and make over a coat of cement primer on new surface including preparing the plastered surface smooth with sand paper, scaffolding, curing and taxes all complete as per building specification and direction of E/I.	64.380	M²	40.94	2635.72
17/5.5.29	Supplying, fitting, and fixing, 20 gauge G.C.I. sheet gate fitted on M.S. angle frame of size 60x60x6mm. including cost of fabrication, providing necessary locking arrangement with haskal and domny duty fixed in P.C.C. (1:2:4) blocks of required size, applying a priming red lead paint over steel work, taxes all complete as per drawing specification and direction of E/I.	1.395	M²	1896.57	2645.72
18/5.8.41 +5.8.43	Providing two coats of ready mixed paint of approved shade and make over steel surface including cleaning the surface thoroughly scaffolding, taxes all complete as per building specification and direction of E/I	2.790	M²	55.81	155.71
19/5.5.4	Providing Tor steel reinforcement above 8mm dia rods as per approved design and drawing excluding carriage of M S. Rods(straight or in coil) to work site, cutting, bending, and binding with annealed wire with cost of wire, removal of rust, placing the rods in position all complete as per building specification and direction of E/I.	0.087	MT ·	43724.78	3796.83



20/12.3.7	supplying materials & labours for constructing inspection chamber of designation class 75B bricks 750mm deep, 600x450mm internal dimension having 250mm wall trhickness in cement mortor(1:6) including 12mm plaster(1:4) with punning on inside and cement plaster(1:6) with 600x475mm G.I cover with frame along with earthwork in excavation and 80mm thick P.C.C(1:3:6) in		,W.		
	foundation and refilling all complete as per specification and direction of E/I.	3.000	Each	4589.64	13768.92
10	direction of E/1.			TOTAL	64699.45
				TOTAL-	04099.40
21/ Chan III	CARRIAGE OF MATERIAL	Ĺ		TOTAL-	04099.45
21/ Chap -III		QUANTITY	KM	RATE	04099.45
The second secon	ITEMS		KM 10		1338.73
The second secon	Sand	QUANTITY	-	RATE	
The second secon	Sand Cement	QUANTITY 8.2242 m³	10	RATE 162.78	1338.73
The second secon	Sand Cement Chips	QUANTITY 8.2242 m ³ 2.2108mt	10 10	RATE 162.78 101.74	1338.73
The second secon	Sand Cement	QUANTITY 8.2242 m³ 2.2108mt 2.2367m³	10 10 30	RATE 162.78 101.74 295.98	1338.73 224.92 662.03

Say Rs- 69,500/-

Rs- 69,500/- (SIXTY NINE THOUSAND FIVE HUNDRED) ONLY

*Assistant Engineer

Soil Conservation, Ranchi

Dy. Director (Engg)

MATERIAL STATEMENT

ITEM NO.	WORKS	QUANTITY	SAND	CEMENT	CHIPS	BRICKS
5.1.1	E/W	15.43411	•			
5.1.10	Sand Filling	1.826247	1.8262471			
5.2.3	Brick Work (1:6) in foundation	7.448	2.5546619	0.4245357		3024.407
5.2.14	Brick Work (1:6) inSuperstructure	4.396	1.5079373	0.2505902		1785.213
5.3.2	PCC (1:2:4)	0.8430	0.3793438	0.1896719	0.75869	
5.3.8	Lintal	0.074	0.0331371	0.0165686	0.06627	
5.3.9	Roof Slab	0.7767	0.3495156	0.1747578	0.69903	
5.3.10	Beam	0.1008	0.0453571	0.0226786	0.09071	
5.3.15	Chajja	0.419	0.188325	0.0941625	0:37665	Х:
5.3.16	DPC	3.448	0.052754	0.0262046	0.10689	
5.6.1	Brick flat Soling	13.12602	0.1968903			423.314
5.6.9	Concrete flooring 50mm thick (1:2:4)	3.011	0.0701534	0.0367327	0.1385	
5.7.3	Plaster (1:6)	63.241	1.0118549	0.1644264		
5.7.6	Ceiling Plaster (1:4)	1.139	0.0079748	0.0022785		
5.7.11	Punning 1.5mm	35.619		0.071238		
5.8.24	Snowcem	64.38018				Harris Control of Charles
		Total	8.2242m³	1.47384 m³	2.2367 m ³	5232.934Nos
				2.2108mt		

CARRIAGE OF MA	FERIAL	
ITEMS	'QUANTITY	KM
Sand	8.2242 m³	10
Cement	2.2108mt	10
Chips	2.2367m³	30
Bricks	5232.934nos	15
Steel	0.0868 mt	10

Assistant Engineer

Soil Conservation, Ranchi

Dy. Director (Engg)

ABSTRACT OF COST FOR CONSTRUCTION OF SEPTIC TANK &TOILET AT AGRICULTURE TECHNOLOGY INFORMATION CENTER, JHARKHAND

S. NO	PARTICULARS	NOS	L	В	H	QUANT	TTY
1/5.1.1	E\W in excavation in foundation soil item -A) and disposal of ex	trenches in ordir	nary soil (vide obtained to a	e classifica distance u	tion of p to 50		
	Mdo all complete as per appr	oved design, but	ilding specific	cation and			
	direction of E/I.		0	6	0	360.000	
		1	9	2.5	2.5	162.500	
		2	13	2.5	2.5	22.875	
		2	1.83	2.5	2.5 total	545.375	15.434
2/5.1.10	Providing coarse clean sand in fi	lling in foundation	on trenches or	in plinth	total	2 12.3.2	
	including ramming and watering	in layers not exc	eeding 150m	mdo a	П		
	complete as per building specific	ation and directi	9	5	0.25	11.250	
2		2	13	2.5	0.25	16.250	
		2	1.83	2.5	0.25	2.288	
		1	7.33	3	1.58	34,744	
		:57			total	64.532	1.826
3/5.6.1	Providing designation 75A one b	rick flat soling jo	oints filled wi	ith local sa	nd		
	including cost of watering taxes and direction of E/I.	royalty all comp	ete as buildir	ig specific	ation		
	MIN MILES MAN MAN AND AND AND AND AND AND AND AND AND A	1	9	5		45.000	
		2	13	2.5		65.000	
		2	1.83	2.5		9.150	
3.6		1	7.33	3		21.990	
+0	Providing P.C.C M-100 in nomin		III. Since		total	141.140	13.126
	quality of stone chips 20mm to 6 2.5mm to 3mm -do all complet E/I.	mm size graded te as per building	specification	n and direc	tion of	11.250	
		1	9	0.5	0.25	11.250	
		2	1.83	2.5	0.25	2,288	
		- 2	1.83	2.3	0.23	29.788	0.843
5/5.2.3	Providing designation 75A Brick	work in C.M (1	:6) in founda	ation with			1
	approved quality of clean coarse building specification and directi	sand of F.M. 2 to on of E/I	o 2.5 –do– al	II complete	as per		
	1st footing	1	9	0.83	8	59.760	
		2	3	0.83	8	39.840	
		1	3	0.42	7.5	9.450	
		2	12.5	2	0.75	37.500°	
		2	2.33	2	0.75	6.990	
	2nd Footing	2	9	1.5	1	27.000	
		2	2.83	1.5	1	8.490	
	3rd footing	2	11.75	1.25	2	58,750	
		2	3.08	1.25	2	15.400	/
						263.180	7.448
6/5.3.16	Providing 25mm thick damp pro nominal mix of (1:2:4) with app	of course with co	stone chins 2	te M-150 v	with nm size		
vy	graded and clean coarse sand of	F.M 2.5mm to 3	mm -dotaxe	es and roya	ilty all		
	complete as per building specific	ation and directi		4 8 2		20.326	
		2	11.75	1.25		29.375	
				4 6 6		# # O A	
		2	3.08	• 1.25	total-	7.700 37.075	3,448

/5.2.11	Providing designation 75A Brick wor approved quality of clean coarse sand building specification and direction of	of F.M. 2 to	2.5 -do al	l complete	as per		
	building specification and direction of	2	4.75	0.83	8	63.080	
		1	3.5	0.83	8	23.240	
		1	3.5	0.83	8	23.240	
		2	6.58	0.83	. 5	54.614	
		1	3.5	0.83	5	14.525	
		(1)	3.5		Total-	178.699	
197.1	San April 1991	i i	2.5	• 0.83	6	12.450	
••	Less- Door	1	2.5	0.83	5	8.300	
	25000 00000	1	4.75	0.83	0.66	2.602	
	Lintel	ī	4.75	0.05	Total-	23.352	
				Net Total		155.347	4.396
	2.5mm to 3mm -dotaxes and royals and direction of E/I.	ty all complet	A2 40 (a)	100 7000		2.602	
		- +	1 75	() 83	().66	2.002	
9/5.3.15	Providing Av 63mm R.C.C M-150 in approved quality of stone chips 20m	m to 6mm S12	re graded an	d clean co	ilst saile	2.602	0.074
9/5.3.15	of F.M 2.5mm to 3mm including mashuttering, mixing cement concrete is striking, 6mm cement plaster (1:4) in F.M. 1.5 curing (but excluding the	m to 6mm size king drip cout in mixer and per cost of reinfo	x of (1:2:4) te graded and trse in concr placing in po- sides of char reement) ta	in chajja wad clean corete, screen osition, vib	Total- ith arse sand ing, rating, ad of	CONTROL OF THE PARTY OF THE PAR	0.074
9/5.3.15	of F.M 2.5mm to 3mm including mashuttering, mixing cement concrete in	m to 6mm size king drip cout in mixer and per cost of reinfo	x of (1:2:4) te graded and trse in concr placing in po- sides of char reement) ta	in chajja wad clean conteste, screen osition, vib	Total- ith arse sand ing, rating, ad of valty all	2.602	0.074
9/5.3.15	of F.M 2.5mm to 3mm including mashuttering, mixing cement concrete is striking, 6mm cement plaster (1:4) in F.M. 1.5 curing (but excluding the	m to 6mm size king drip cout in mixer and per cost of reinfo	x of (1:2:4) te graded and trse in concr placing in po- sides of char reement) ta	in chajja wad clean corete, screen osition, vib	Total- ith arse sand ing, rating, ad of valty all	Control of the Contro	0.074
9/5.3.15	approved quality of stone chips 20m of F.M 2.5mm to 3mm including mashuttering, mixing cement concrete is striking, 6mm cement plaster (1:4) in F.M.1.5, curing, (but excluding the complete as per building specification of F.M 2.5mm to 3mm -do-taxes and of F.M 2.5mm to 3mm -do-t	m to 6mm size aking drip could be mixer and proceeding and cost of reinform and direction and direction and direction are for a full form to 6mm size am to	x of (1:2:4) the graded and the graded and placing in possible of characteristics of characteristics of E/I. 3) in beam of zee graded and	in chajja wad clean conteste, screen osition, vibaja with sarakes and roy	Total- ith arse sand ing, rating, ad of valty all Total- evel with arse sand	4.500	
	approved quality of stone chips 20m of F.M 2.5mm to 3mm including mashuttering, mixing cement concrete is striking, 6mm cement plaster (1:4) in F.M.1.5, curing, (but excluding the complete as per building specification. Providing R.C.C M-150 in nominal	m to 6mm size aking drip could be mixer and proceeding and cost of reinform and direction and direction and direction are for a full form to 6mm size am to	x of (1:2:4) the graded and the graded and placing in possible of characteristics of characteristics of E/I. 3) in beam of zee graded and	in chajja wad clean conteste, screen osition, vibaja with sarakes and roy	Total- ith arse sand ing, rating, ad of valty all Total- evel with arse sand ng	4.500	0.419
	approved quality of stone chips 20m of F.M 2.5mm to 3mm including mashuttering, mixing cement concrete is striking, 6mm cement plaster (1:4) in F.M.1.5, curing, (but excluding the complete as per building specification of F.M 2.5mm to 3mm -do-taxes as specification and direction of E/I.	m to 6mm size and proceeding and proceeding and cost of reinform and direction and direction and form to 6mm size and royalty all	x of (1:2:4) the graded and or concerns of character of E/I. 3) in beam of complete and complete and complete and 5:17	in chajja wad clean contete, screen osition, vibajia with sarays and roy 1.5 of all type and clean consisted clean	Total- ith arse sand ing, rating, ad of valty all Total- evel with arse sand ng 0.83 total	4.500 4.500	
10/5.3.11	approved quality of stone chips 20m of F.M 2.5mm to 3mm including mashuttering, mixing cement concrete is striking, 6mm cement plaster (1:4) in F.M.1.5, curing, (but excluding the complete as per building specification of F.M 2.5mm to 3mm –do-taxes as specification and direction of E/I. Providing R.C.C M-150 in nominal approved quality of stone chips 20m of F.M 2.5mm to 3mm –do-taxes as specification and direction of E/I.	m to 6mm size aking drip could in mixer and proceeding and cost of reinform and direction and direction and royalty all mix of (1:2:4 am to 6mm size am to 6	x of (1:2:4) ze graded and rese in concrete placing in possides of characteristics on of E/I. 3) in beam of the complete and comple	in chajja wad clean contete, screen osition, vibaja with sar xes and roy 1.5 of all type and clean consisted	Total- ith arse sand ing, rating, ad of valty all Total- evel with arse sand arse sand ith earse sand	4.500 4.500 3.562	0.419
10/5.3.11	approved quality of stone chips 20m of F.M 2.5mm to 3mm including mashuttering, mixing cement concrete is striking, 6mm cement plaster (1:4) in F.M.1.5, curing, (but excluding the complete as per building specification of F.M 2.5mm to 3mm –do—taxes as specification and direction of E/I. Providing R.C.C M-150 in nominal specification and direction of E/I.	m to 6mm size aking drip could in mixer and proceeding and cost of reinform and direction and direction and royalty all mix of (1:2:4 am to 6mm size am to 6	x of (1:2:4) ze graded and rese in concrete placing in possides of characteristics on of E/I. 3) in beam of the complete and comple	in chajja wad clean contete, screen osition, vibaja with sar xes and roy 1.5 of all type and clean consisted	Total- ith arse sand ing, rating, ad of valty all Total- evel with arse sand arse sand ith earse sand ith earse sand	4.500 4.500 3.562	0.419
10/5.3.11	approved quality of stone chips 20m of F.M 2.5mm to 3mm including mashuttering, mixing cement concrete is striking, 6mm cement plaster (1:4) in F.M.1.5, curing, (but excluding the complete as per building specification of F.M 2.5mm to 3mm –do-taxes as specification and direction of E/I. Providing R.C.C M-150 in nominal approved quality of stone chips 20m of F.M 2.5mm to 3mm –do-taxes as specification and direction of E/I.	m to 6mm size aking drip could in mixer and proceeding and cost of reinform and direction and direction and royalty all mix of (1:2:4 am to 6mm size am to 6	x of (1:2:4) ze graded and placing in positions of characteristic complete and com	in chajja wad clean corete, screen osition, vibaja with sar xes and roy 1.5 of all type and clean core building the level was and clean cores per building the level was per building	Total- ith arse sand ing, rating, ad of ralty all Total- evel with arse sand arse sand ith arse sand ith arse sand ith arse sand	4.500 4.500 3.562 3.562	0.419



	Providing 12mm, cement plaster (1 including screening, curing with all	leads and lift	s of water, so	affolding taxes an	d		
	royalty all complete as per drawing	specification	and direction	of E/I.			
4	62	2	9	8	144,000		
		4	3	8	96.000		- 1
		4	3.5	. 8	112.000		1
		2	5.75	5	57.500		
		1	3.5	5	17.500	8	
		1	3.5	8	28.000	ġ.	
	. Outer side	1	5.17	10	51.700	ğı .	
		2	4.75	10	95.000		
		2	6.58	7	92.120		
		1	5.17	7	36.190	8	
	1750 TVG			total	730.010		-
	Less- Door						1
	Opening	2	1	2.5	30.000		
		2	1	2 5	20.000		
				total	50.000		
				total	680.010	63,241	1
13/5.7.6	F.M.1.5. including screening, curing taxes and royalty all complete as per	with all leads	and lifts of	water, scaffolding			
		1	3.5	3.5	12.250	1.139	'n
4/5.7.11	Providing 1.5mm thick cement punn specification and direction of E/I.	ing including	curing etc. co				
		1	9.00	2	27,000	1	
		2	9.00	0	27.000		
		1	3.00	0	144.000		
		4	3.50	2	96.000		
		2	5.75	• 4	42.000		
		2		4	46.000		
		(*	3.50	M S	28.000	25 610	
5/5,6.9	Providing 50mm thick cement concr	ete flooring (1		total	28.000 383.000	35.619	n
5/5.6.9	Providing 50mm thick cement concregaded stone chips finished with floocost of curing, finishing the surface sper drawing specification and directive	oring cost of ne smooth by rubl	:2:4) with 20 eat cement in bing with –do	mm to 6mm, size panels including of all complete as		35.619	m
5/5.6.9	graded stone chips finished with floo cost of curing, finishing the surface s	oring cost of ne smooth by rubl	:2:4) with 20 eat cement in bing with –do	mm to 6mm, size	12.250	35.619	rr
5/5,6.9	graded stone chips finished with floo cost of curing, finishing the surface s	oring cost of ne smooth by rubl	:2:4) with 20 eat cement in bing with –do	mm to 6mm, size panels including of all complete as	383.000	35.619	rr
The Control of Control	graded stone chips finished with floo cost of curing, finishing the surface s per drawing specification and direction	oring cost of ne smooth by rubl on of E/I.	:2:4) with 20 eat cement in bing with –do	mm to 6mm. size panels including o- all complete as 3.5 3.5	12.250	35.619	m
	graded stone chips finished with floo cost of curing, finishing the surface s	oring cost of net mooth by ruble on of E/I. I proved shade ing preparing and taxes all co	:2:4) with 20 eat cement in bing with –do 3.50 5.75 and make ov the plastered omplete as pe	mm to 6mm. size panels including panels including as all complete as 3.5 3.5 er a coat of surface smooth or building	12.250 20.125	3.011	m
6/5.8.24	Providing two coat of snowcem of ap cement primer on new surface includ with sand paper, scaffolding, curing a specification and direction of E/I.	on of E/I. I oproved shade ing preparing and taxes all co	2:4) with 20 eat cement in bing with -do 3.50 5.75 and make over the plastered complete as per mano-12&13	mm to 6mm. size panels including panels including as all complete as 3.5 3.5 er a coat of surface smooth or building	12.250 20.125		m
6/5.8.24	Providing two coat of snowcem of ap cement primer on new surface includ with sand paper, scaffolding, curing a	on of E/I. I proved shade ing preparing and taxes all common duty freed lead paint of the cost of fabrication.	2:4) with 20 eat cement in bing with -do 3.50 5.75 and make over the plastered omplete as per mino-12&13 t gate fitted on the providing and	mm to 6mm. size panels including panels including all complete as 3.5 3.5 er a coat of surface smooth er building necessary (1:2:4) blocks	12.250 20.125	3.011	m
6/5.8.24	Providing two coat of snowcem of ap cement primer on new surface includ with sand paper, scaffolding, curing a specification and direction of E/I. Supplying, fitting, and fixing, 20 gau frame of size 60x60x6mm. including locking arrangement with haskal and of required size, applying a priming respectively.	on of E/I. I proved shade ing preparing and taxes all common duty freed lead paint of the cost of fabrication.	2:4) with 20 eat cement in bing with -do 3.50 5.75 and make over the plastered omplete as per mino-12&13 t gate fitted on the providing and	mm to 6mm. size panels including panels including all complete as 3.5 3.5 er a coat of surface smooth er building necessary (1:2:4) blocks	12.250 20.125 32.375	3.011	m
5/5.6.9 6/5.8.24 7/5.5.29 8/5.8.41+ 8.43	Providing two coat of snowcem of ap cement primer on new surface includ with sand paper, scaffolding, curing a specification and direction of E/L. Supplying, fitting, and fixing, 20 gau frame of size 60x60x6mm. including locking arrangement with haskal and of required size, applying a priming recomplete as per drawing specification. Providing two coats of ready mixed p surface including cleaning the surface.	on of E/I. I proved shade ing preparing and taxes all commy duty find and direction and direction thoroughly so t	2:4) with 20 eat cement in bing with -do 3.50 5.75 and make over the plastered complete as per mino-12&13 tight gate fitted continuous providing and make over steel work of E/I. 2.5 ed shade and	mm to 6mm. size panels including panels including all complete as 3.5 3.5 er a coat of surface smooth er building on M.S. angle ng necessary c. (1:2:4) blocks rk, taxes all 6 make over steel	12.250 20.125 32.375	3.011	m m
6/5.8.24	Providing two coat of snowcem of ap cement primer on new surface includ with sand paper, scaffolding, curing a specification and direction of E/I. Supplying, fitting, and fixing, 20 gau frame of size 60x60x6mm. including locking arrangement with haskal and of required size, applying a priming recomplete as per drawing specification. Providing two coats of ready mixed p	on of E/I. I proved shade ing preparing and taxes all commy duty find and direction and direction thoroughly so t	2:4) with 20 eat cement in bing with -do 3.50 5.75 and make over the plastered complete as per mino-12&13 tight gate fitted continuous providing and make over steel work of E/I. 2.5 ed shade and	mm to 6mm. size panels including panels including all complete as 3.5 3.5 er a coat of surface smooth er building on M.S. angle ng necessary c. (1:2:4) blocks rk, taxes all 6 make over steel	12.250 20.125 32.375	3.011	m m

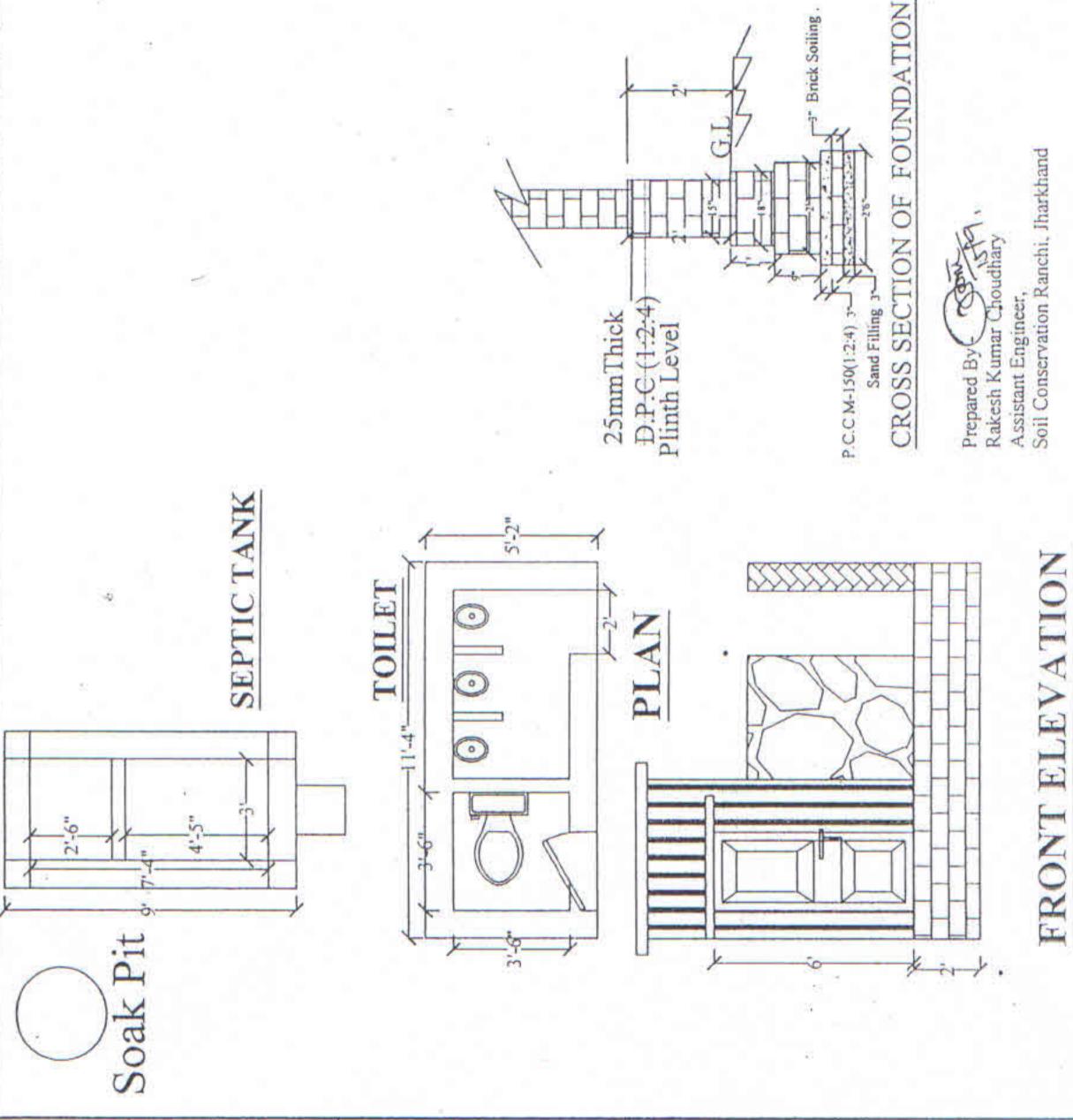
0/2/

19/5.5.4	Providing Tor steel reinforcement ab and drawing excluding carriage of M cutting, bending, and binding with an rust, placing the rods in position all c direction of E/I.	S. Rods(nealed w	straight or in correction of the correction of t	oil) to work f wire ,remo	site, oval of			
	Item no-8					2.602		
· · · · · · · · · · · · · · · · · · ·	Item no-9					1.125		
	Item no-10					3.562		
	Item no-11					27.445	1000000	27.600
					total	34.734	0.087	MT
	having 250mm wall thickness in com			nal dimensi				
	having 250mm wall thickness in cemplaster(1:4) with punning on inside as G.I cover with frame along with earth P.C.C(1:3:6) in foundation and refillidirection of E/I.	ent morto nd cemen nwork in	or (1:6) including t plaster(1:6) we excavation and	ng 12mm vith 600x47 80mm thic	5mm k		3.000	eacl
	plaster(1:4) with punning on inside as G.I cover with frame along with earth P.C.C(1:3:6) in foundation and refilli	ent morto nd cemen nwork in o ng all cor	or (1:6) including t plaster(1:6) we excavation and inplete as per specific terms.	ng 12mm vith 600x47 80mm thic	5mm k		3.000	each
Chapter -	plaster(1:4) with punning on inside as G.I cover with frame along with earth P.C.C(1:3:6) in foundation and refilli direction of E/I.	ent morto nd cemen nwork in o ng all cor	or (1:6) including t plaster(1:6) we excavation and inplete as per specific terms.	ng 12mm vith 600x47 80mm thic	5mm k		3.000	each
Chapter -	plaster(1:4) with punning on inside as G.I cover with frame along with earth P.C.C(1:3:6) in foundation and refilli direction of E/I. CARRIAGE OF	ent morto nd cemen nwork in ng all cor	or (1:6) including t plaster(1:6) we excavation and inplete as per specification.	ng 12mm vith 600x47 80mm thic	5mm k		3.000	each
Chapter -	plaster(1:4) with punning on inside as G.I cover with frame along with earth P.C.C(1:3:6) in foundation and refilli direction of E/I. CARRIAGE OF Item No	ent morto nd cemen nwork in ng all cor	or (1:6) including the plaster (1:6) we excavation and inplete as per specific Quantity	ng 12mm vith 600x47 80mm thic pecification	5mm k		3.000	each
Chapter -	plaster(1:4) with punning on inside as G.I cover with frame along with earth P.C.C(1:3:6) in foundation and refilli direction of E/I. CARRIAGE OF Sand	ent morto nd cemen nwork in o ng all cor MATEI Km 10	excavation and applete as per specific Quantity 8.2242	ng 12mm vith 600x47 80mm thic pecification m ³	5mm k		3.000	each
21/ Chapter - III	plaster(1:4) with punning on inside as G.I cover with frame along with earth P.C.C(1:3:6) in foundation and refilli direction of E/I. CARRIAGE OF Sand Cement	ent morto nd cemen nwork in o ng all cor MATEI Km 10 10	excavation and applete as per specific Quantity 8.2242 2.2108	ng 12mm vith 600x47 80mm thic pecification m³ mt	5mm k		3.000	each

Assistant Engineer

Soil Conservation, Ranchi

Dy. Director (Engg)



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ABSTRACT OF COST FOR THE P.H.E & SANITARY WORK AT AGRICULTURE TECHNOLOGY INFORMATION CENTER, JHARKHAND

S.NO	PARTICULARS	QUANTITY	UNIT	RATE	UNIT	AMOUNT
1/12.2.1	S/F/F of viterous white glazed earthen ware I.W.C of parry/hindustan of any other I.S.S approved make 100mm H.C.I Trap 15Liters C.I pull and let go flushing system of names or other I.S.S equivalent make complete with all fittings C.I or C.C bracket 32 mm alkathene/PVC telescopic flush pipe about 2m long with one brass coupling and clamps G.I chain and pull icluding supplying and fixing a pair of viterous white glazed earthenware footrest to be fixed in floor 15mm C.I body brass spindle stop cock of weight not less than 50gms 15mm PVC connecting pipe 450mm long exposed pipe and cisten with two coat of approved paint over acoat of primer etc. all comple as per					
	speciffication and direction of E/I.	1	nos	2779.52	each	2779.52
2/12.2.5	S/F/F of viterous white glazed earthen ware wash basin of parry/hindustan of any other I.S.S approved make supported on pointed C.I or R.S bracket 32mm C.I brass waste 15mm dia C.I body brass spindle stop cock of approved quality of weight not less than 350gms 32mm PVC waste pipe750mm long with brass coupling at one end and making plumber joints etc. all comple as per speciffication and direction of E/I.	1	nos	1105.56	each	1105.56
3/12.2.3	S/F/F flat back or Angular lipped front vitreous white glazed earthen ware urinal of hindustan or parry or any other approved I.S.S make with 5 liter capacity C.I automatic flushing cisten of reliance for any other I.S.S approved make with all fittings with C.I or bracket standard size G.I flush pipe with fitting clamps, 15mm C.I body brass spindle stop cock of weight not less than 400gms 15mm PVC /Alkthene pipe 450mm long with brass coupling at both ends and doing plumber joints including painting of exposed part with two coats of paints over primer coat of red oxide cutting wall and floor, making good the same etc.all comple as per speciffication and direction of E/I.		nos	2207.18	each	11035.9
4/18.5.1 D.S.R	Providing and fixing C.P brass bib cock of approved quality confirm to IS-8931-15 mm dia normal bore approved brand CP fittings	3	nos	228.12	each	684.36
5/ 12.1.3 D.S.R	Supplying and fixing G.I pipe with red lead and yarn of following normal bore with screwed and socketed joints on wall ceiling and floor including supplying and fitting of wall hooks or pipes clamps wooden plug cutting pipe of size and threading ends if required etc. all comple as per speciffication and direction of E/I.					
	(a) 15mm nominal bore	10	m	81	m	810
	(b) 20mm nominal bore	25	m	88	m	2200
	(c) 25mm nominal bore	60	m	110	m	6600
6/12.122	S/F/F gun meteal following gate valve of approved quality all complete as per approved drawing and design building and PHED specification and direction of E/I.					/
	(a) 20mm dia	3	nos	290.46	each	871:38
	(b) 25mm dia	1	nos	362.04	each	362.04

	building specification and direction of E/I. Total Rs-	2	nos	5000		1000 51961.
10 /MR	Supplying laying & fixing P.V.C water storage tank confirm to ISI including installation of tank with all omplete as per approved drawing and standard design			5000		1000
9/19.321 DSR	making soak pit 2.5m deep with 45x45cm dry brick honey comb shaft with bricks of class designation 75 and S.W drain pipe 100mm dia 1.8m long complete as per approved drawing and standard design building specification and direction of E/I.	1	nos	6000		600
	7) SWR -Y 110mm	2	m	238		47
	6) SWR double socket 110mm dia	4	m	199.5		79
	5) SWR water trap 65mm	2	nos	110		22
	4) SWR Plain Bend	6	nos	180		108
249	3) SWR door Tee	1	nos	255		25
	2) SWR 110 mm dia single socket	8	m	198.45		1587
	1) Single socketed pipes -110mm dia	10	m	194.45		1944
3/12.40.2 D.S.R	Providing & fixing on wall face unplasticized rigid P.V.C rain water pipes confirming to IS-12592 Type A including jointing with seal ring confirming to IS:5382 leaving 10mm gap for					
	25mm	-4	nos	84.75	each	33
9	20mm	2	nos	63	each	12
	5 Union socket- 15mm	2	nos	48.4	each	96
	25mm	2	nos	50.3	each	100
	20mm	6	nos	35.2	each	211
	4 Nipple- 15mm	9	nos	26.2	each	235
	25mm	1	nos	42.3	each	42
	20mm	1	nos	30.62	each	30.6
	3. Reducing socket- 15mm	1	nos	24.5	each	24
	25mm	6	nos	63.65	each	381
	20mm	6	nos	44.92	each	269.5
	2. Tee Plain- 15mm	6	nos	33.76	each	202.5
	25mm	9	nos	51.4	each	462
	20mm	9	nos	35.02	each	315.1
//12.1.13	Supplying and fixing of G.I fitting of approved make with all taxes all complete as per approved drawing and design building and PHED specification and direction of E/I. 1. Elbow - 15mm	12	nos	26.06	each	312.7

Say Rs- 51,900/-

RS- 51,900/- (FIFTY ONE THOUSAND NINE HUNDRED) ONLY

Assistant Engineer

Soil Conservation, Ranchi

Dy. Director (Engg)

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ABSTRACT OF COST FOR THE ELECTRICAL WORK AT AGRICULTURE TECHNOLOGY

	INFORMATION CENTER, JHA	THOSE VIEW	** **	D - 4-	TT 14	A
SI No.	Particulars	Quantity	Unit	Rate	Unit	Amount
/1.8EL D.S.R	Wiring for Light point/exhaust fan point/call bell point with 1.5sq mmm F.R.P.V.C insulated copper conductor cable in surface/recessed P.V.C conduit as required with with piano type swith, phenolic, laminated sheet M.S box earthing the point PVC insulated copper with 1.5sq mm with taxes all complete as per approved design, drawing, building & electrical specification and direction of E/I.	28	nos	472.43	each	13228.04
2/1.23 EL D.S.R	Supplying and fixing following piano type switch/socket on the existing M.S Box earthing the point PVC insulated copper with 1.5sq mm with taxes all complete as per approved design, drawing, building & electrical specification and direction of E/I.					
	(1) 5 Pin- 5/6 Amp socket	10	nos	28.00	each	280.00
	62) 5 Pin -15 Amp socket	16	nos	70.00	each	1120.00
	(3) 15Amp Switch	16	nos	70.00	each	1120.00
3/1.12El D.S.R	Wiring for Light point/Power plug wiring with 2x4 sq mm F.R.P.V.C insulated copper conductor single core cable in surface/recessed P.V.C conduit along with I no 4sq mm F.R.P.V.C insulated copper for loop earthing etc. as required with taxes all complete as per approved design, drawing, building & electrical specification and direction of E/I.	80	М	115.43	M	9234.40
4/MR	Earthing with G.I pipe 4.5mt long 40mm dia including accessories and providing masonry enclosure with cover plate having locking arrangment and watering pipe etc. with charcol and saltete as required with taxes all complete as per approved design, drawing, building & electrical specification and direction of E/I.	- 10	nos	14000.00	each	14000.00
5	Design, farication & Assembling of LT Panel board					
В	300Amps F/P BUSBAR	1	No	2025.00	each	2025.00
E	40Amps TPN MCB	1	No	1080.00	each	1080.00
F	16Amps DP MCB	2	No	500.00	each	1000.00
G	25 Amps DP MCB	5	No	550.00	each	2750.00
Н	10 Amps DP MCB	1	No	600.00	each	600.00
I	32 Amps DP MCB	5	No	250.00	each	1250.00
J	32 Amps TPN MCB	1	No	900.00	each	900.00
K	Volt Amp Meter, S. Switch, LT Switch, Indicator	1	No	3500.00	each	3500.0
6/MR	Panel wiring & Accessories: - copper wire, lugs, heat Shirkable tape, winder knob, insulator, binding strap & harware	1	set	2500.00	each	2500.00
7/MR	L.T Control electrical distribution panel is made of 16 SWG CRCA steel sheet. It is floor operated, Virmin proof, IP 54 protection an adequate size duly painted with red oxide primer & two coats of enamelaints with all complete locking arrangement	1	set	3000.00	each	3000.00
8/MR	Supplying and fixing electrical Armourd cable 25mmx4 core wiring from main switch with all complete job as per E/I.	40	М	202.00	М	8080.00
	TOTAL-					65667.4

Say Rs- 65,600/-

RS- 65,600/- (SIXTY FIVE THOUSAND SIX HUNDRED) ONLY

Assistant Engineer
Soil Conservation, Ranchi

Dy. Director (Engg)

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ABSTRACT OF COST & DETAIL ESTIMATE FOR THE CONSTRUCTION OF A DEEP BORING AT AGRICULTURE TECHNOLOGY INFORMATION CENTER

CI NO	CONSTRUCTION OF 200X150MM DIA HIGH YIE			LL	
SL. NO	ITEM OF WORKS	QUANTITY	UNIT	RATE	AMOUNT
1	Supplying of materials labour and tools & equipment for drilling 200 x 150mm dia deep bore well in any kind of soil and rock by using D/T/H super rig machine and ball hammer technology inclusive of mobilization demobilization of rig, air compressor all accessories tools and plant labour etc. all complete job as per E/I.				
	(a) From O mtr to 30 mtr below the ground	30.00	mtr	450	13500.00
	(b) From 30mtr to 60 mtr below the ground	30.00	mtr	500	15000.00
	(c) From 60mtr to 90 mtr below the ground	30.00	mtr	550	16500.00
	(d) From 90mtr to 121.95 mtr below the ground	31.95	mtr	600	19170.00
2	Supplying all materials .labour and lowering G.I. casing pipe 150mm internal dia for protecting the bore hole in over burden up to hard surface depth including all expenditure and grouting casing pipe etc. all complete job as per E/I.	30.00	mtr	675	20250.00°
.3	Cleaning flushing and developing of drilled hole for testing the discharge of water development of bore well by continuous flow of water by using heavy compressor up to satisfaction of E/l. to get uninterrupted flow of water free from sand and soil etc.				
35	(a) 4hrs operation	1.00	P/H	700	700.00
4	Supplying and fitting M.S cap over 150mm dia casing pipe as per direction of E/I.	1.00	nos •	890	890.00 -
5	Installation of pump, fitting & electrification.			34234	32 346 3
	(a)1no.ssubmersiblepump (1.5H.P)	1.00	nos	19500	19500.00
	(b) pannelled board	1.00	nos	2500	2500.00
0	(c) 2.5 mm² submersible cable	120.00	mtr	45	5400.00
1	(d) 38mm Dia pvc submersible pipe	90.00	mtr	145	13050,00
	(e) rope 8 no.	90.00	mtr	15	1350.00
	(f) labour cost for lowering and plumbing work and electrification work	1.00	nos	3500	3500.00
	(g) Accessories of 38mm dia pipe	1.00	nos	2500	2500.00
	Total Rs-				133810.00-

Say Rs-1, 33,800/-

RS- 1, 33,800/- (ONE LAKHS FIFTY THIRTY THREE THOUSAND EIGHT HUNDRED) ONLY

Assistant Engineer

Soil Conservation, Ranchi

Dy. Director (Engg)