Shri Lete Hue Hanuman Ji

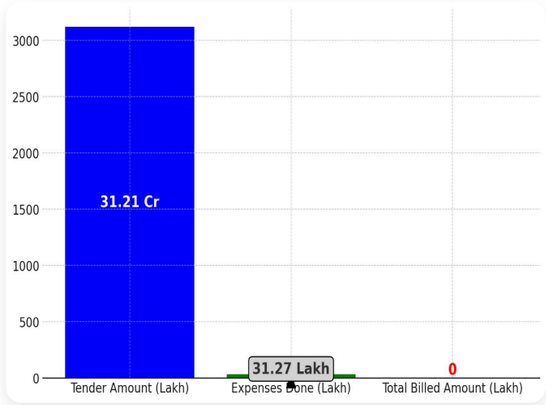
Timer

86d 23h 33m 30s

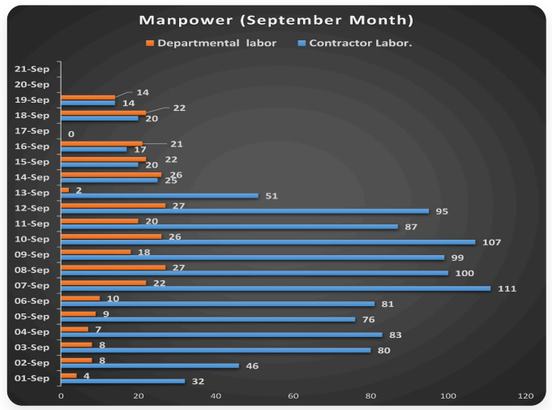
SLH Project Details

Project Contract value: 31.21 Cr
Project Start Date As Per Plan: 27-July-24
Original End Date As per Plan: 22-Dec-24
Project Duration: 149 Days (As per updated plan)
Project Progress Expected (As per plan): 44%
Project Progress Actual (As Per Plan): 26%
No of Days Delays: 32 days
Days Elapse: 59 days
Remaining Days: 89 Days

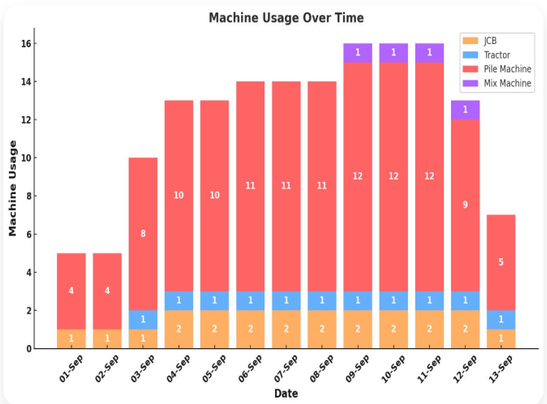
Financial Status Graph



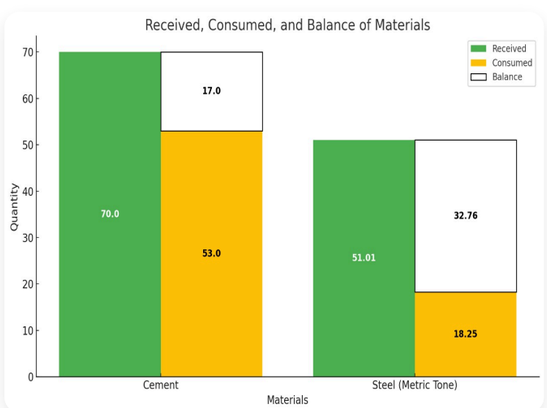
Manpower (September month)



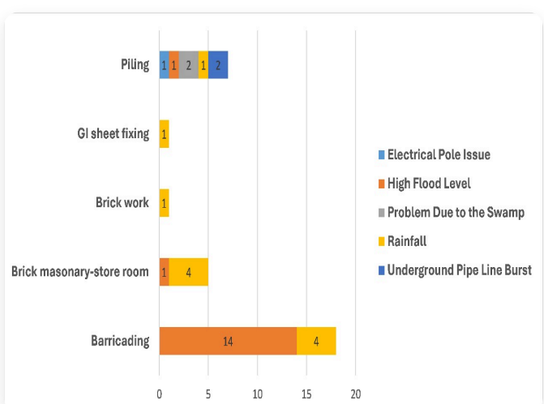
Machine Usage Over Time



Material Consumption Graph



Hinderance Graph



Appendix 1. Material Quantity For Slab

TOTAL MATERIAL QUANTITY FOR PILE CAP								
A Block								
Type	Nos	Quantity of 1 pile (in Cubic Metre)	Dry Volume (in Cubic Metre)	Total Quantity (in Cubic Metre)	Cement Quantity (in Kg)	Sand Quantity (in Kg)	Coarse Aggregate 20mm Quantity (in Kg)	Coarse Aggregate 10mm Quantity (in Kg)
P1	11	1.288	1.98	14.17	5483.02	10059.28	9673.91	6449.27
P2	6	1.1025	1.70	6.62	2560.01	4696.65	4516.722	3011.15
P1 Corner	1	2.1392	3.29	2.14	827.87	1518.83	1460.64576	973.76
B Block								
Type	Nos	Quantity of 1 pile (in Cubic Metre)	Dry Volume (in Cubic Metre)	Total Quantity (in Cubic Metre)	Cement Quantity (in Kg)	Sand Quantity (in Kg)	Coarse Aggregate 20mm Quantity (in Kg)	Coarse Aggregate 10mm Quantity (in Kg)
P1	17	1.288	1.98	21.90	8473.75	15546.16	14950.59	9967.06
P2	7	1.1025	1.70	7.72	2986.67	5479.43	5269.51	3513.01
P1 Corner	3	2.1392	3.29	6.42	2483.61	4556.50	4381.94	2921.29
C Block								
Type	Nos	Quantity of 1 pile (in Cubic Metre)	Dry Volume (in Cubic Metre)	Total Quantity (in Cubic Metre)	Cement Quantity (in Kg)	Sand Quantity (in Kg)	Aggregate Quantity (in Kg)	Coarse Aggregate 10mm Quantity (in Kg)
P1	16	1.288	1.98	20.61	7975.30	14631.68	14071.14	9380.76
P2	9	1.1025	1.70	9.92	3840.01	7044.98	6775.08	4516.72
P1 Corner	2	2.1392	3.29	4.28	1655.74	3037.66	2921.29	1947.53
D Block								
Type	Nos	Quantity of 1 pile (in Cubic Metre)	Dry Volume (in Cubic Metre)	Total Quantity (in Cubic Metre)	Cement Quantity (in Kg)	Sand Quantity (in Kg)	Aggregate Quantity (in Kg)	Coarse Aggregate 10mm Quantity (in Kg)
P1	16	1.288	1.98	20.61	7975.30	14631.68	14071.14	9380.76
P2	9	1.1025	1.70	9.92	3840.01	7044.98	6775.08	4516.72
P1 Corner	2	2.1392	3.29	4.28	1655.74	3037.66	2921.29	1947.53
E Block								
Type	Nos	Quantity of 1 pile (in Cubic Metre)	Dry Volume (in Cubic Metre)	Total Quantity (in Cubic Metre)	Cement Quantity (in Kg)	Sand Quantity (in Kg)	Aggregate Quantity (in Kg)	Coarse Aggregate 10mm Quantity (in Kg)
P1	17	1.288	1.98	21.90	8473.75	15546.16	14950.59	9967.06
P2	7	1.1025	1.70	7.72	2986.67	5479.43	5269.51	3513.01
P1 Corner	3	2.1392	3.29	6.42	2483.61	4556.50	4381.94	2921.29
F Block								
Type	Nos	Quantity of 1 pile (in Cubic Metre)	Dry Volume (in Cubic Metre)	Total Quantity (in Cubic Metre)	Cement Quantity (in Kg)	Sand Quantity (in Kg)	Aggregate Quantity (in Kg)	Coarse Aggregate 10mm Quantity (in Kg)
P1	8	1.288	1.98	10.30	3987.65	7315.84	7035.57	4690.38
P2	5	1.1025	1.70	5.51	2133.34	3913.88	3763.94	2509.29
P1 Corner	2	2.1392	3.29	4.28	1655.74	3037.66	2921.29	1947.53
G Block								
Type	Nos	Quantity of 1 pile (in Cubic Metre)	Dry Volume (in Cubic Metre)	Total Quantity (in Cubic Metre)	Cement Quantity (in Kg)	Sand Quantity (in Kg)	Aggregate Quantity (in Kg)	Coarse Aggregate 10mm Quantity (in Kg)
P1	6	1.288	1.98	7.73	2990.74	5486.88	5276.68	3517.79
P2	3	1.1025	1.70	3.31	1280.00	2348.33	2258.36	1505.57
P1 Corner	1	2.1392	3.29	2.14	827.87	1518.83	1460.65	973.76
H Block								
Type	Nos	Quantity of 1 pile (in Cubic Metre)	Dry Volume (in Cubic Metre)	Total Quantity (in Cubic Metre)	Cement Quantity (in Kg)	Sand Quantity (in Kg)	Aggregate Quantity (in Kg)	Coarse Aggregate 10mm Quantity (in Kg)
P1	42	1.288	1.98	54.10	20935.15	38408.16	36936.75	24624.50
P2	21	1.1025	1.70	23.15	8960.02	16438.28	15808.53	10539.02
P1 Corner	0	2.1392	3.29	0.00	0.00	0.00	0.00	0.00

TOTAL QUANTITY					
Type	Nos.	Total Quantity of Cement (in Bags)	Total Quantity of Sand (in CFT)	Total Quantity of Aggregate 20mm (in CFT)	Total Quantity of Aggregate 10mm (in CFT)
For P1 Pile Cap	133	1326	2771.00	2581.67	1721.11
For P2 Pile Cap	67	572	1194.00	1113.23	742.16
For P1 Corner Cap	14	232.00	484.00	451.35	300.9
Total	**214**	**2129.00**	**4450.00**	**4146.25**	**2764.17**
Wastage 5%		106.47	222.52	207.31	138.21
Grand Total		**2235.9**	**4673.02**	**4353.56**	**2902.37**

Appendix 2. Material Quantity For Slab

MATERIAL QUANTITY FOR SLAB						
A Block						
Beam	Slab Thickness (in mm)	Total Volume (in Cubic Metre)	Cement Quantity (in kg)	Sand Quantity (in kg)	Coarse Aggregate 20mm Quantity (in kg)	Coarse Aggregate 10mm Quantity
Type 1	125	21.7	8403	15416	14825	9884
		Total	8403	15416	14825	9884
B Block						
Beam	Beam Size (in mm)	Total Volume (in Cubic Metre)	Cement Quantity (in kg)	Sand Quantity (in kg)	Coarse Aggregate 20mm Quantity (in kg)	Coarse Aggregate 10mm Quantity
Type 1	250 x 450	31.9	12336	22632	21765	14510
		Total	12336	22632	21765	14510
C Block						
Beam	Beam Size (in mm)	Total Volume (in Cubic Metre)	Cement Quantity (in kg)	Sand Quantity (in kg)	Coarse Aggregate 20mm Quantity (in kg)	Coarse Aggregate 10mm Quantity
Type 1	250 x 450	31.3	12094	22188	21338	14225
		Total	12094	22188	21338	14225
D Block						
Beam	Beam Size (in mm)	Total Volume (in Cubic Metre)	Cement Quantity (in kg)	Sand Quantity (in kg)	Coarse Aggregate 20mm Quantity (in kg)	Coarse Aggregate 10mm Quantity
Type 2	200 x 300	31.3	12094	22188	21338	14225
		Total	12094	22188	21338	14225
E Block						
Beam	Beam Size (in mm)	Total Volume (in Cubic Metre)	Cement Quantity (in kg)	Sand Quantity (in kg)	Coarse Aggregate 20mm Quantity (in kg)	Coarse Aggregate 10mm Quantity
Type 2	200 x 300	31.9	12336	22632	21765	14510
		Total	12336	22632	21765	14510
F Block						
Beam	Beam Size (in mm)	Total Volume (in Cubic Metre)	Cement Quantity (in kg)	Sand Quantity (in kg)	Coarse Aggregate 20mm Quantity (in kg)	Coarse Aggregate 10mm Quantity
Type 1	250 x 450	15.2	5882	10792	10379	6919
		Total	5882	10792	10379	6919
G Block						
Beam	Beam Size (in mm)	Total Volume (in Cubic Metre)	Cement Quantity (in kg)	Sand Quantity (in kg)	Coarse Aggregate 20mm Quantity (in kg)	Coarse Aggregate 10mm Quantity
Type 1	250 x 450	7.8	3023	5547	5334	3556
		Total	3023	5547	5334	3556
H Block						
Beam	Beam Size (in mm)	Total Volume (in Cubic Metre)	Cement Quantity (in kg)	Sand Quantity (in kg)	Coarse Aggregate 20mm Quantity (in kg)	Coarse Aggregate 10mm Quantity
Type 1	250 x 450	58.5	22644	41544	39952	26635
		Total	22644	41544	39952	26635

	TOTAL QUANTITY			
	Quantity of Cement Required (in bags)	Quantity of Sand Required (in CFT)	Quantity of Coarse Aggregate 20mm required (in CFT)	Quantity of Coarse Aggregate 10mm Required (in CFT)
Total	1776	3712	3459	2306
Wastage 5%	89	186	173	115
Grand Total	**1865**	**3898**	**3631**	**2421**

Appendix 3. Material Quantity For Plinth Beam

MATERIAL QUANTITY FOR PLINTH BEAM						
A Block						
Beam	**Beam Size (in mm)**	**Total Volume (in Cubic Metre)**	**Cement Quantity (in kg)**	**Sand Quantity (in kg)**	**Coarse Aggregate 20mm Quantity (in kg)**	**Coarse Aggregate 10mm Quantity**
Type 1	250 x 450	14.6	5648	10361	9964	6643
Type 2	200 x 300	0.5	212	389	374	249
		Total	5860	10750	10339	6892
B Block						
Beam	**Beam Size (in mm)**	**Total Volume (in Cubic Metre)**	**Cement Quantity (in kg)**	**Sand Quantity (in kg)**	**Coarse Aggregate 20mm Quantity (in kg)**	**Coarse Aggregate 10mm Quantity**
Type 1	250 x 450	19.8	7680	14091	13551	9034
Type 2	200 x 300	0.0	0	0	0	0
		Total	7680	14091	13551	9034
C Block						
Beam	**Beam Size (in mm)**	**Total Volume (in Cubic Metre)**	**Cement Quantity (in kg)**	**Sand Quantity (in kg)**	**Coarse Aggregate 20mm Quantity (in kg)**	**Coarse Aggregate 10mm Quantity**
Type 1	250 x 450	15.8	6095	11183	10754	7169
Type 2	200 x 300	0.0	0	0	0	0
		Total	6095	11183	10754	7169
D Block						
Beam	**Beam Size (in mm)**	**Total Volume (in Cubic Metre)**	**Cement Quantity (in kg)**	**Sand Quantity (in kg)**	**Coarse Aggregate 20mm Quantity (in kg)**	**Coarse Aggregate 10mm Quantity**
Type 1	250 x 450	15.8	6095	11183	10754	7169
Type 2	200 x 300	0.0	0	0	0	0
		Total	6095	11183	10754	7169
E Block						
Beam	**Beam Size (in mm)**	**Total Volume (in Cubic Metre)**	**Cement Quantity (in kg)**	**Sand Quantity (in kg)**	**Coarse Aggregate 20mm Quantity (in kg)**	**Coarse Aggregate 10mm Quantity**
Type 1	250 x 450	19.8	7680	14091	13551	9034
Type 2	200 x 300	0.0	0	0	0	0
		Total	7680	14091	13551	9034
F Block						
Beam	**Beam Size (in mm)**	**Total Volume (in Cubic Metre)**	**Cement Quantity (in kg)**	**Sand Quantity (in kg)**	**Coarse Aggregate 20mm Quantity (in kg)**	**Coarse Aggregate 10mm Quantity**
Type 1	250 x 450	10.2	3962	7269	6990	4660
Type 2	200 x 300	0.0	0	0	0	0
		Total	3962	7269	6990	4660
G Block						
Beam	**Beam Size (in mm)**	**Total Volume (in Cubic Metre)**	**Cement Quantity (in kg)**	**Sand Quantity (in kg)**	**Coarse Aggregate 20mm Quantity (in kg)**	**Coarse Aggregate 10mm Quantity**
Type 1	250 x 450	6.7	2577	4729	4547	3032
Type 2	200 x 300	0.0	0	0	0	0
		Total	2577	4729	4547	3032
H Block						
Beam	**Beam Size (in mm)**	**Total Volume (in Cubic Metre)**	**Cement Quantity (in kg)**	**Sand Quantity (in kg)**	**Coarse Aggregate 20mm Quantity (in kg)**	**Coarse Aggregate 10mm Quantity**
Type 1	250 x 450	41.9	16196	29714	28575	19050
Type 2	200 x 300	1.1	441	809	778	519
		Total	16637	30523	29354	19569

	TOTAL QUANTITY			
	Quantity of Cement Required (in bags)	**Quantity of Sand Required (in CFT)**	**Quantity of Coarse Aggregate 20mm required (in CFT)**	**Quantity of Coarse Aggregate 10mm Required (in CFT)**
Total	1132	2365	2204	1469
Wastage 5%	57	118	110	73
Grand Total	**1188**	**2484**	**2314**	**1543**

Appendix 4. Material Quantity For Ground Beam

MATERIAL QUANTITY FOR GROUND BEAM						
H Block						
Beam	**Beam Size (in mm)**	**Total Volume (in Cubic Metre)**	**Cement Quantity (in kg)**	**Sand Quantity (in kg)**	**Coarse Aggregate 20mm Quantity (in kg)**	**Coarse Aggregate 10mm Quantity**
Type 1	250 x 450	42.4	16396	30081	28929	19286
Type 2	200 x 300	0.2	64	117	113	75
			16460	30198	29041	19361

	TOTAL QUANTITY			
	Quantity of Cement Required (in bags)	Quantity of Sand Required (in CFT)	Quantity of Coarse Aggregate 20mm required (in CFT)	Quantity of Coarse Aggregate 10mm Required (in CFT)
Total	329	685	641	427
Wastage 5%	16	34	32	21
Grand Total	346	720	673	449

Appendix 5. Material Quantity For Terrace Beam

MATERIAL QUANTITY FOR TERRACE BEAM						
H Block						
Beam	**Beam Size (in mm)**	**Total Volume (in Cubic Metre)**	**Cement Quantity (in kg)**	**Sand Quantity (in kg)**	**Coarse Aggregate 20mm Quantity (in kg)**	**Coarse Aggregate 10mm Quantity**
Type 1	250 x 450	10.2	3938	7225	6948	4632
Type 2	200 x 300	0.2	64	117	113	75
			3938	7225	6948	4632

	TOTAL QUANTITY			
	Quantity of Cement Required (in bags)	Quantity of Sand Required (in CFT)	Quantity of Coarse Aggregate 20mm required (in CFT)	Quantity of Coarse Aggregate 10mm Required (in CFT)
Total	79	165	153	102
Wastage 5%	4	8	8	5
Grand Total	83	173	161	107

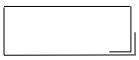
Appendix 6. Material Quantity For Pile Cap PCC

TOTAL MATERIAL QUANTITY FOR PILE CAP'S PCC (1:4:8)						
A Block						
Type	**Nos**	**Quantity of per Pile cap PCC (in Cubic Metre)**	**Dry Volume (in Cubic Metre)**	**Cement Quantity (in Kg)**	**Sand Quantity (in CFT)**	**Aggregate Quantity (in CFT)**
P1	9	0.184	0.28	282.49	27.71	55.42
P2	5	0.1575	0.24	134.34	13.18	26.36
P1 Corner	1	0.31	0.48	52.88	5.19	10.38
B Block						
Type	**Nos**	**Quantity of per Pile cap PCC (in Cubic Metre)**	**Dry Volume (in Cubic Metre)**	**Cement Quantity (in Kg)**	**Sand Quantity (in CFT)**	**Aggregate Quantity (in CFT)**
P1	17	0.184	0.28	533.59	52.34	104.69
P2	7	0.1575	0.24	188.07	18.45	36.90
P1 Corner	3	0.31	0.48	158.64	15.56	31.13
C Block						
Type	**Nos**	**Quantity of per Pile cap PCC (in Cubic Metre)**	**Dry Volume (in Cubic Metre)**	**Cement Quantity (in Kg)**	**Sand Quantity (in CFT)**	**Aggregate Quantity (in CFT)**
P1	16	0.184	0.28	502.20	49.26	98.53
P2	9	0.1575	0.24	241.80	23.72	47.44
P1 Corner	2	0.31	0.48	105.76	10.38	20.75
D Block						
Type	**Nos**	**Quantity of per Pile cap PCC (in Cubic Metre)**	**Dry Volume (in Cubic Metre)**	**Cement Quantity (in Kg)**	**Sand Quantity (in CFT)**	**Aggregate Quantity (in CFT)**
P1	16	0.184	0.28	502.20	49.26	98.53
P2	9	0.1575	0.24	241.80	23.72	47.44
P1 Corner	2	0.31	0.48	105.76	10.38	20.75
E Block						
Type	**Nos**	**Quantity of per Pile cap PCC (in Cubic Metre)**	**Dry Volume (in Cubic Metre)**	**Cement Quantity (in Kg)**	**Sand Quantity (in CFT)**	**Aggregate Quantity (in CFT)**
P1	17	0.184	0.28	533.59	52.34	104.69
P2	7	0.1575	0.24	188.07	18.45	36.90
P1 Corner	3	0.31	0.48	158.64	15.56	31.13
F Block						
Type	**Nos**	**Quantity of per Pile cap PCC (in Cubic Metre)**	**Dry Volume (in Cubic Metre)**	**Cement Quantity (in Kg)**	**Sand Quantity (in CFT)**	**Aggregate Quantity (in CFT)**
P1	8	0.184	0.28	251.10	24.63	49.26
P2	5	0.1575	0.24	134.34	13.18	26.36
P1 Corner	2	0.31	0.48	105.76	10.38	20.75
G Block						
Type	**Nos**	**Quantity of per Pile cap PCC (in Cubic Metre)**	**Dry Volume (in Cubic Metre)**	**Cement Quantity (in Kg)**	**Sand Quantity (in CFT)**	**Aggregate Quantity (in CFT)**
P1	6	0.184	0.28	188.33	18.47	36.95
P2	3	0.1575	0.24	80.60	7.91	15.81
P1 Corner	1	0.31	0.48	52.88	5.19	10.38
H Block						
Type	**Nos**	**Quantity of per Pile cap PCC (in Cubic Metre)**	**Dry Volume (in Cubic Metre)**	**Cement Quantity (in Kg)**	**Sand Quantity (in CFT)**	**Aggregate Quantity (in CFT)**
P1	42	0.184	0.28	1318.28	129.32	258.64
P2	21	0.1575	0.24	564.21	55.35	110.69
P1 Corner	0	0.31	0.48	0.00	0.00	0.00

TOTAL QUANTITY			
Type	**Total Quantity of Cement (in Bags)**	**Total Quantity of Sand (in CFT)**	**Total Quantity of Aggregate (in CFT)**
For P1 Pile Cap	82	403.35	806.71
For P2 Pile Cap	35	173.95	347.90
For P1 Corner Cap	15	72.63	145.25
Total	**133**	**650**	**1299.85**

Appendix 7. Reinforcement Detail For Pile Cap

Reinforcement Detail for Pile Cap

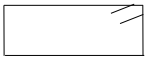
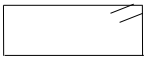
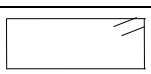
S.No	Description	Type	Description	Shape	Dia of Bar	Unit	Nos. of bars	Cutting length (in Mtr)	Nos. of Pile Cap	Total Cutting Length (Dia wise) in Mtr		
										10mm	12mm	16mm
1	Pile Cap	P1	Stirrup		10	mm	32	1.90	133	8086.4		
2			Top & Bottom Bar -1		12	mm	46	1.60	133		9788.8	
3			Top Bar - 2		12	mm	8	3.10	133		3298.4	
4			Bottom Bar -2		16	mm	8	3.10	133			3298.4
5			Side Bar		12	mm	5	6.25	133		4156.25	
6	Pile Cap	P2	Stirrup		10	mm	28	1.80	67	3376.8		
7			Top & Bottom Bar -1		12	mm	42	1.55	67		4361.7	
8			Top Bar - 2		12	mm	8	2.90	67		1554.4	
9			Bottom Bar -2		16	mm	8	2.90	67			1554.4
10			Side Bar		12	mm	5	5.75	67		1926.25	
6	Pile Cap	P1 Corner	Stirrup		10	mm	60	1.80	14	1512		
7			Top & Bottom Bar -1		12	mm	92	1.60	14		2060.8	
8			Top Bar - 2		12	mm	16	3.10	14		694.4	
9			Bottom Bar -2		16	mm	16	3.10	14			694.4
10			Side Bar		10	mm	10	5.75	14	805		

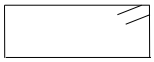
Total Calculation

Dia of bar	Unit	Total Length	Unit	Quantity	Unit
10	mm	13780.2	Mtr	**8.5**	MT
12	mm	27841	Mtr	**24.7**	MT
16	mm	5547.2	Mtr	**8.8**	MT
Total				**42.0**	MT
Wastage 2%				0.8	MT
Grand Total				**42.9**	MT

Appendix 8. Reinforcement Detail For Overall Column

Reinforcement Detail for Overall Column

S.No	Block	Description	Shape	Dia of Bar	Unit	Nos.	Cutting length (in Mtr)	Nos. of Column	Total Cutting Length (Dia wise) in Mtr		
									8mm	12mm	20mm
1	A	Stirrup type 1		8	mm	35	1.52	21	1117.2		
2		Stirrup type 2		8	mm	70	1.10	21	1617		
4		Longitudinal Bar 1		12	mm	8	6.70	21		1125.6	
5		Longitudinal Bar 2		20	mm	4	6.70	21			562.8
1	B	Stirrup type 1		8	mm	37	1.52	27	1518.5		
2		Stirrup type 2		8	mm	74	1.10	27	2197.8		
4		Longitudinal Bar 1		12	mm	8	7.00	27		1512	
5		Longitudinal Bar 2		20	mm	4	7.00	27			756
1	C	Stirrup type 1		8	mm	43	1.52	27	1764.7		
2		Stirrup type 2		8	mm	86	1.10	27	2554.2		
4		Longitudinal Bar 1		12	mm	8	8.00	27		1728	
5		Longitudinal Bar 2		20	mm	4	8.00	27			864
1	D	Stirrup type 1		8	mm	43	1.52	27	1764.7		
2		Stirrup type 2		8	mm	86	1.10	27	2554.2		
4		Longitudinal Bar 1		12	mm	8	8.00	27		1728	
5		Longitudinal Bar 2		20	mm	4	8.00	27			864
1	E	Stirrup type 1		8	mm	43	1.52	27	1764.7		
2		Stirrup type 2		8	mm	86	1.10	27	2554.2		
4		Longitudinal Bar 1		12	mm	8	8.00	27		1728	
5		Longitudinal Bar 2		20	mm	4	8.00	27			864
1	F	Stirrup type 1		8	mm	37	1.52	15	843.6		
2		Stirrup type 2		8	mm	74	1.10	15	1221		
4		Longitudinal Bar 1		12	mm	8	7.00	15		840	
5		Longitudinal Bar 2		20	mm	4	7.00	15			420

G	Stirrup type 1		8	mm	35	1.52	11	585.2		
	Stirrup type 2		8	mm	70	1.10	11	847		
	Longitudinal Bar 1		12	mm	8	6.70	11		589.6	
	Longitudinal Bar 2		20	mm	4	6.70	11			294.8
H	Stirrup type 1		8	mm	65	1.52	26	2568.8		
			8	mm	35	1.10	40	1540		
	Stirrup type 2		8	mm	130	1.52	26	5137.6		
			8	mm	70	1.10	40	3080		
	Longitudinal Bar 1		12	mm	8	11.32	26		2354.56	
			12	mm	8	6.30	40		2016	
	Longitudinal Bar 2		20	mm	4	11.32	26			1177.28
			20	mm	4	6.70	40			1072

Total Calculation

Dia of bar	Unit	Total Length	Unit	Quantity	Unit
8	mm	35230.44	Mtr	**13.9**	MT
12	mm	13621.76	Mtr	**12.1**	MT
16	mm	6874.88	Mtr	**10.9**	MT
Total				**36.9**	MT
Wastage 2%				0.7	MT
Grand Total				**37.6**	MT

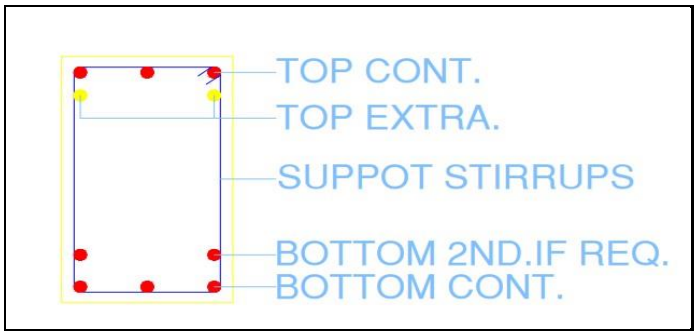
Appendix 9. Reinforcement Detail For Plinth Beam

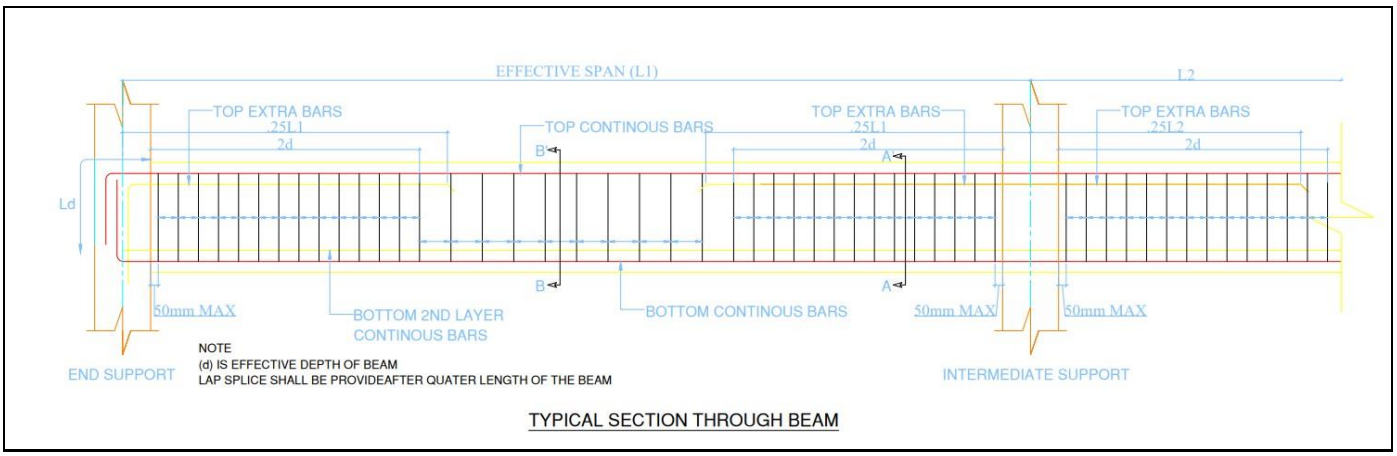
Reinforcement Detail for Plinth Beam									
S.No	Description	Type	Description	Dia of Bar	Unit	Nos. of bars	Length (in Mtr)	Total Cutting Length (Dia wise) in Mtr	
								8mm	12mm
1	A - Block	Beam 1 (250 X 450)	Top Reinforcement	12	mm	3	142.50		427.5
2			Bottom Reinforcement	12	mm	3	142.50		427.5
3			Top Extra	12	mm	3	18		54
4			Shear Stirrups	8	mm	956	1.25	1195	
5		Beam 2 (200 X 300)	Top Reinforcement	12	mm	3	11.4		34.2
6			Bottom Reinforcement	12	mm	3	11.4		34.2
7			Shear Stirrups	12	mm	85	0.8		68
1	B - Block	Beam 1 (250 X 450)	Top Reinforcement	12	mm	3	197.10		591.3
2			Bottom Reinforcement	12	mm	3	197.10		591.3
3			Top Extra	12	mm	3	93.3		279.9
4			Shear Stirrups	8	mm	1350	1.25	1687.5	
1	C - Block	Beam 1 (250 X 450)	Top Reinforcement	12	mm	3	193.20		579.6
2			Bottom Reinforcement	12	mm	3	193.20		579.6
3			Top Extra	12	mm	3	98.6		295.8
4			Shear Stirrups	8	mm	1185	1.25	1481.25	
1	D - Block	Beam 1 (250 X 450)	Top Reinforcement	12	mm	3	193.20		579.6
2			Bottom Reinforcement	12	mm	3	193.20		579.6
3			Top Extra	12	mm	3	98.6		295.8
4			Shear Stirrups	8	mm	1185	1.25	1481.25	
1	E - Block	Beam 1 (250 X 450)	Top Reinforcement	12	mm	3	197.10		591.3
2			Bottom Reinforcement	12	mm	3	197.10		591.3
3			Top Extra	12	mm	6	93.3		559.8
4			Shear Stirrups	8	mm	1350	1.25	1687.5	

1	F - Block	Beam 1 (250 X 450)	Top Reinforcement	12	mm	3	100.90		302.7
2			Bottom Reinforcement	12	mm	3	100.90		302.7
3			Top Extra	12	mm	3	53		159
4			Shear Stirrups	8	mm	671	1.25	838.75	
1	G - Block	Beam 1 (250 X 450)	Top Reinforcement	12	mm	3	65.00		195
2			Bottom Reinforcement	12	mm	3	65.00		195
3			Top Extra	12	mm	3	53		159
4			Shear Stirrups	8	mm	671	1.25	838.75	
1	H - Block	Beam 1 (250 X 450)	Top Reinforcement	12	mm	3	418.00		1254
2			Bottom Reinforcement	12	mm	3	418.00		1254
3			Top Extra	12	mm	3	53		159
4			Shear Stirrups	8	mm	2550	1.25	3187.5	
5		Beam 2 (200 X 300)	Top Reinforcement	12	mm	3	21		63
6			Bottom Reinforcement	12	mm	3	21		63
7			Shear Stirrups	12	mm	173	0.8		138.4

TOTAL QUNATITY			
Dia of Bar	**Unit**	**Total Length**	**Total Quantity (in MT)**
8	mm	12397.5	4.90
12	mm	11405.1	10.14
Total			15.04
Wastage 2 %			0.30
Grand Total			**15.34**

Drawing of Plinth Beam:



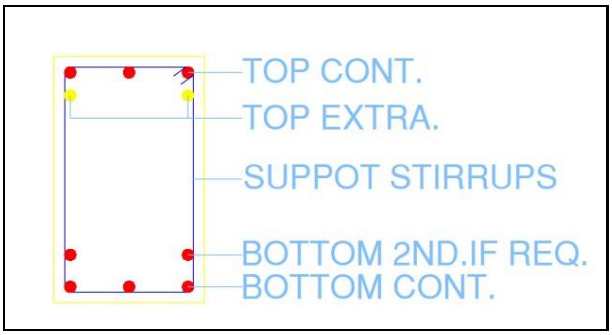


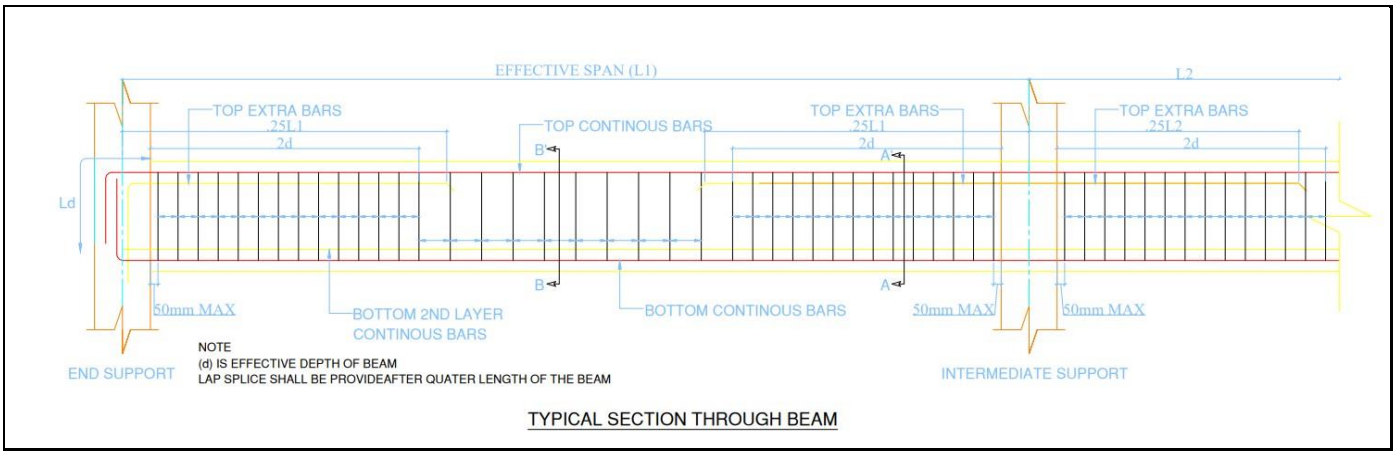
Appendix 10. Reinforcement Detail For Ground Beam

Reinforcement Detail for Ground Floor Beam									
S.No	Description	Type	Description	Dia of Bar	Unit	Nos. of bars	Length (in Mtr)	Total Cutting Length (Dia wise) in Mtr	
								8mm	12mm
1	H - Block	Beam 1 (250 X 450)	Top Reinforcement	12	mm	3	415.00		1245
2			Bottom Reinforcement	12	mm	3	415.00		1245
3			Top Extra	12	mm	3	53		159
4			Shear Stirrups	8	mm	2530	1.25	3162.5	
5		Beam 2 (200 X 300)	Top Reinforcement	12	mm	3	3.9		11.7
6			Bottom Reinforcement	12	mm	3	3.9		11.7
7			Shear Stirrups	12	mm	21	0.8		16.8

TOTAL QUNATITY			
Dia of Bar	**Unit**	**Total Length**	**Total Quantity (in MT)**
8	mm	3162.5	1.25
12	mm	2689.2	2.39
Total			3.64
Wastage 2 %			0.07
Grand Total			**3.71**

Drawing of Ground Beam:





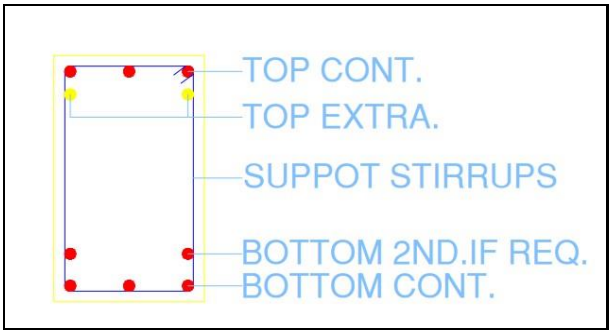
TYPICAL SECTION THROUGH BEAM

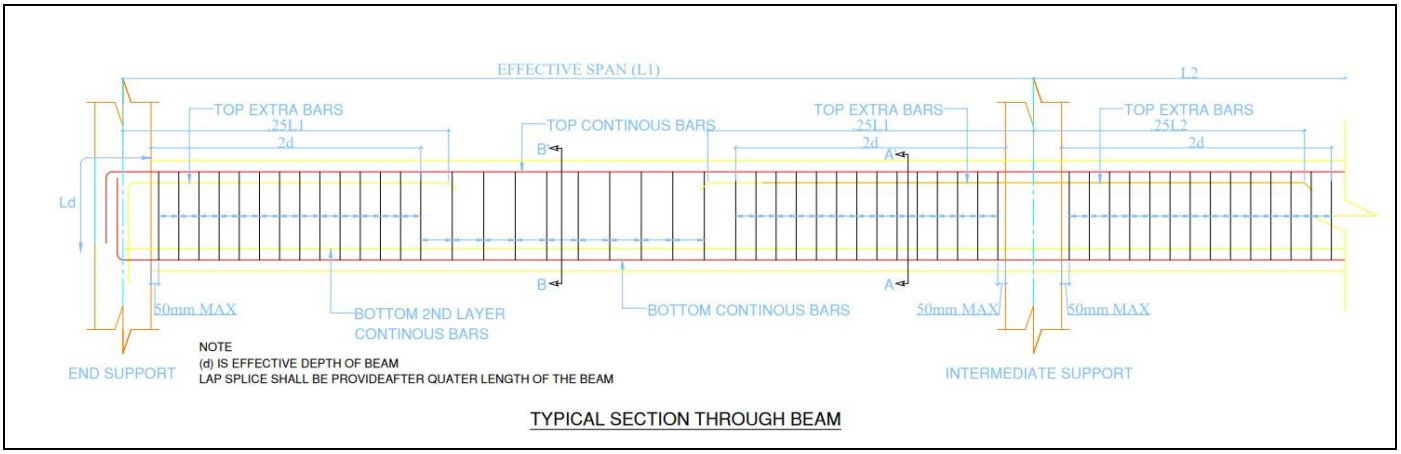
Appendix 11. Reinforcement Detail For Terrace Beam

Reinforcement Detail									
S.No	Description	Type	Description	Dia of Bar	Unit	Nos. of bars	Length (in Mtr)	Total Cutting Length (Dia wise) in Mtr	
								8mm	12mm
1	A - Block	Beam 1 (250 X 450)	Top Reinforcement	12	mm	3	142.50		427.5
2			Bottom Reinforcement	12	mm	3	142.50		427.5
3			Top Extra	12	mm	3	18		54
4			Shear Stirrups	8	mm	956	1.25	1195	
1	B - Block	Beam 1 (250 X 450)	Top Reinforcement	12	mm	3	197.10		591.3
2			Bottom Reinforcement	12	mm	3	197.10		591.3
3			Top Extra	12	mm	3	93.3		279.9
4			Shear Stirrups	8	mm	1350	1.25	1687.5	
1	C - Block	Beam 1 (250 X 450)	Top Reinforcement	12	mm	3	193.20		579.6
2			Bottom Reinforcement	12	mm	3	193.20		579.6
3			Top Extra	12	mm	3	98.6		295.8
4			Shear Stirrups	8	mm	1185	1.25	1481.25	
1	D - Block	Type 1 (250 X 450)	Top Reinforcement	12	mm	3	193.20		579.6
2			Bottom Reinforcement	12	mm	3	193.20		579.6
3			Top Extra	12	mm	3	98.6		295.8
4			Shear Stirrups	8	mm	1185	1.25	1481.25	
1	E - Block	Beam 1 (250 X 450)	Top Reinforcement	12	mm	3	197.10		591.3
2			Bottom Reinforcement	12	mm	3	197.10		591.3
3			Top Extra	12	mm	6	93.3		559.8
4			Shear Stirrups	8	mm	1350	1.25	1687.5	
1	F - Block	Beam 1 (250 X 450)	Top Reinforcement	12	mm	3	100.90		302.7
2			Bottom Reinforcement	12	mm	3	100.90		302.7
3			Top Extra	12	mm	3	53		159
4			Shear Stirrups	8	mm	671	1.25	838.75	
1	G - Block	Beam 1 (250 X 450)	Top Reinforcement	12	mm	3	65.00		195
2			Bottom Reinforcement	12	mm	3	65.00		195
3			Top Extra	12	mm	3	53		159
4			Shear Stirrups	8	mm	671	1.25	838.75	
1	H - Block	Beam 1 (250 X 450)	Top Reinforcement	12	mm	3	106.30		318.9
2			Bottom Reinforcement	12	mm	3	106.30		318.9
3			Top Extra	12	mm	3	54.1		162.3
4			Shear Stirrups	8	mm	440	1.25	550	
5		Beam 2 (200 X 300)	Top Reinforcement	12	mm	3	3.9		11.7
6			Bottom Reinforcement	12	mm	3	3.9		11.7
7			Shear Stirrups	12	mm	21	0.8		16.8

TOTAL QUNATITY			
Dia of Bar	**Unit**	**Total Length**	**Total Quantity (in MT)**
8	mm	9760	3.86
12	mm	9177.6	8.16
		Total	12.01
		Wastage 2 %	0.24
		Grand Total	**12.25**

Drawing of Terrace Beam





TYPICAL SECTION THROUGH BEAM

Appendix 12. Reinforcement Detail For Slab

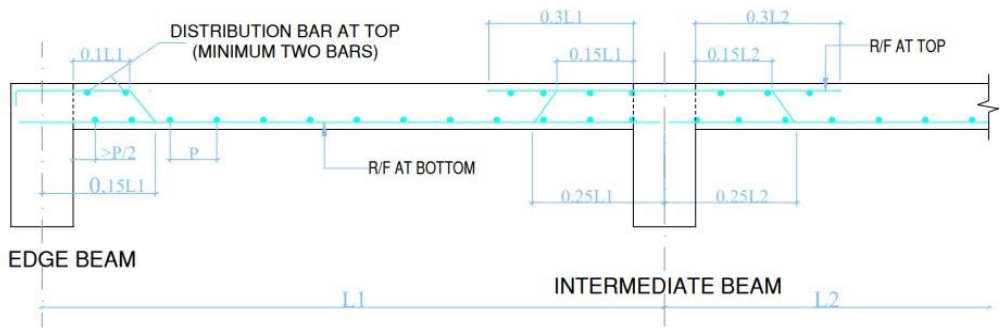
Reinforcement Detail for Slab										
S.No	**Description**	**Type**	**Description**	**Nos. of Slab**	**Dia of Bar**	**Unit**	**Nos. of bars**	**Cutting Length (in Mtr)**	**Total Cutting Length (Dia wise) in Mtr 8mm**	**Total Cutting Length (Dia wise) in Mtr 12mm**
1	A-Block	S1	Main Reinforcement	1	8	mm	29	5.25	152.25	
2			Distribution Reinforcement	1	8	mm	23	5.85	134.55	
			Top Extra - Short Bars	1	8	mm	20	3.90	78	
			Top Extra - Long Bars	1	8	mm	16	4.75	76	
1		S2	Main Reinforcement	1	8	mm	23	4.60	105.8	
2			Distribution Reinforcement	1	8	mm	20	5.00	100	
			Top Extra - Short Bars	1	8	mm	14	3.50	49	
			Top Extra - Long Bars	1	8	mm	16	3.90	62.4	
1		S3	Main Reinforcement	1	8	mm	35	6.00	210	
2			Distribution Reinforcement	1	8	mm	30	6.00	180	
			Top Extra - Short Bars	1	8	mm	10	4.70	47	
			Top Extra - Long Bars	1	8	mm	15	5.00	75	
1		S4	Main Reinforcement	1	8	mm	35	6.00	210	
2			Distribution Reinforcement	1	8	mm	22	5.10	112.2	
			Top Extra - Short Bars	1	8	mm	15	3.70	55.5	
			Top Extra - Long Bars	1	8	mm	13	4.70	61.1	
1		S5. S7. S9. S11	Main Reinforcement	4	8	mm	35	5.82	814.8	
2			Distribution Reinforcement	4	8	mm	30	6.20	744	
			Top Extra - Short Bars	4	8	mm	24	4.60	441.6	
			Top Extra - Long Bars	4	8	mm	20	4.75	380	
1		S6. S8. S10. S12	Main Reinforcement	4	8	mm	35	5.25	735	
2			Distribution Reinforcement	4	8	mm	23	6.20	570.4	
			Top Extra - Short Bars	4	8	mm	24	3.90	374.4	
			Top Extra - Long Bars	4	8	mm	16	4.80	307.2	

1	B - Block	S1	Main Reinforcement	1	8	mm	36	4.85	174.6		
2			Distribution Reinforcement	1	8	mm	23	6.40	147.2		
			Top Extra - Short Bars	1	8	mm	19	3.90	74.1		
			Top Extra - Long Bars	1	8	mm	14	5.00	70		
1		S2	Main Reinforcement	1	8	mm	36	5.82	209.52		
2			Distribution Reinforcement	1	8	mm	29	6.50	188.5		
			Top Extra - Short Bars	1	8	mm	19	4.75	90.25		
			Top Extra - Long Bars	1	8	mm	16	5.00	80		
1		S3 & S5	Main Reinforcement	2	8	mm	39	5.25	409.5		
2			Distribution Reinforcement	2	8	mm	23	6.70	308.2		
			Top Extra - Short Bars	2	8	mm	26	3.90	202.8		
			Top Extra - Long Bars	2	8	mm	12	5.15	123.6		
1		S4 & S6	Main Reinforcement	2	8	mm	39	5.82	453.96		
2			Distribution Reinforcement	2	8	mm	29	6.65	385.7		
			Top Extra - Short Bars	2	8	mm	26	4.75	247		
			Top Extra - Long Bars	2	8	mm	16	5.20	166.4		
1		S7	Main Reinforcement	1	8	mm	38	5.25	199.5		
2			Distribution Reinforcement	1	8	mm	23	6.75	155.25		
			Top Extra - Short Bars	1	8	mm	20	3.90	78		
			Top Extra - Long Bars	1	8	mm	27	5.25	141.75		
1		S8 & S9	Main Reinforcement	2	8	mm	38	5.25	399		
2			Distribution Reinforcement	2	8	mm	23	6.32	290.72		
			Top Extra - Short Bars	2	8	mm	26	3.90	202.8		
			Top Extra - Long Bars	2	8	mm	13	5.10	132.6		
1		S10	Main Reinforcement	1	8	mm	26	5.00	130		
2			Distribution Reinforcement	1	8	mm	22	5.00	110		
			Top Extra - Short Bars	1	8	mm	18	3.60	64.8		
			Top Extra - Long Bars	1	8	mm	16	3.60	57.6		
1		S11	Main Reinforcement	1	8	mm	29	4.90	142.1		
2			Distribution Reinforcement	1	8	mm	26	5.80	150.8		
			Top Extra - Short Bars	1	8	mm	16	3.60	57.6		
			Top Extra - Long Bars	1	8	mm	18	4.75	85.5		
1		S12	Main Reinforcement	1	8	mm	38	5.82	221.16		
2			Distribution Reinforcement	1	8	mm	29	6.72	194.88		
			Top Extra - Short Bars	1	8	mm	20	4.75	95		
			Top Extra - Long Bars	1	8	mm	16	5.25	84		
1		S13 & S14	Main Reinforcement	2	8	mm	38	5.82	442.32		
2			Distribution Reinforcement	2	8	mm	29	6.60	382.8		
			Top Extra - Short Bars	2	8	mm	26	4.60	239.2		
			Top Extra - Long Bars	2	8	mm	16	5.10	163.2		
1		S15	Main Reinforcement	1	8	mm	26	5.82	151.32		
2			Distribution Reinforcement	1	8	mm	23	5.00	115		
			Top Extra - Short Bars	1	8	mm	16	3.60	57.6		
			Top Extra - Long Bars	1	8	mm	18	4.60	82.8		
1		S16	Main Reinforcement	1	8	mm	34	5.80	197.2		
2			Distribution Reinforcement	1	8	mm	29	5.80	168.2		
			Top Extra - Short Bars	1	8	mm	16	4.75	76		
			Top Extra - Long Bars	1	8	mm	19	4.75	90.25		
1	C - BLOCK	S1, S15	Main Reinforcement	2	8	mm	35	5.30	371		
2			Distribution Reinforcement	2	8	mm	23	6.30	289.8		
			Top Extra - Short Bars	2	8	mm	19	3.90	148.2		
			Top Extra - Long Bars	2	8	mm	13	4.90	127.4		
1		S2, S16	Main Reinforcement	2	8	mm	35	5.82	407.4		
2			Distribution Reinforcement	2	8	mm	29	6.30	365.4		
			Top Extra - Short Bars	2	8	mm	19	4.75	180.5		
			Top Extra - Long Bars	2	8	mm	16	4.90	156.8		
1		S3, S5, S7, S9, S11, S13	Main Reinforcement	6	8	mm	35	5.30	1113		
2			Distribution Reinforcement	6	8	mm	23	6.10	841.8		
			Top Extra - Short Bars	6	8	mm	24	3.90	561.6		
			Top Extra - Long Bars	6	8	mm	13	4.75	370.5		
1		S4, S6, S8, S10, S12, S14	Main Reinforcement	6	8	mm	35	5.82	1222.2		
2			Distribution Reinforcement	6	8	mm	29	6.20	1078.8		
			Top Extra - Short Bars	6	8	mm	24	4.75	684		
			Top Extra - Long Bars	6	8	mm	16	4.75	456		
1	D - BLOCK	S1, S15	Main Reinforcement	2	8	mm	35	5.30	371		
2			Distribution Reinforcement	2	8	mm	23	6.30	289.8		
			Top Extra - Short Bars	2	8	mm	19	3.90	148.2		
			Top Extra - Long Bars	2	8	mm	13	4.90	127.4		
1		S2, S16	Main Reinforcement	2	8	mm	35	5.82	407.4		
2			Distribution Reinforcement	2	8	mm	29	6.30	365.4		
			Top Extra - Short Bars	2	8	mm	19	4.75	180.5		
			Top Extra - Long Bars	2	8	mm	16	4.90	156.8		
1		S3, S5, S7, S9, S11, S13	Main Reinforcement	6	8	mm	35	5.30	1113		
2			Distribution Reinforcement	6	8	mm	23	6.10	841.8		
			Top Extra - Short Bars	6	8	mm	24	3.90	561.6		
			Top Extra - Long Bars	6	8	mm	13	4.75	370.5		
1		S4, S6, S8, S10, S12, S14	Main Reinforcement	6	8	mm	35	5.82	1222.2		
2			Distribution Reinforcement	6	8	mm	29	6.20	1078.8		
			Top Extra - Short Bars	6	8	mm	24	4.75	684		
			Top Extra - Long Bars	6	8	mm	16	4.75	456		

1	E - Block	S1	Main Reinforcement	1	8	mm	36	4.85	174.6		
2			Distribution Reinforcement	1	8	mm	23	6.40	147.2		
			Top Extra - Short Bars	1	8	mm	19	3.90	74.1		
			Top Extra - Long Bars	1	8	mm	14	5.00	70		
1		S2	Main Reinforcement	1	8	mm	36	5.82	209.52		
2			Distribution Reinforcement	1	8	mm	29	6.50	188.5		
			Top Extra - Short Bars	1	8	mm	19	4.75	90.25		
			Top Extra - Long Bars	1	8	mm	16	5.00	80		
1		S3 & S5	Main Reinforcement	2	8	mm	39	5.25	409.5		
2			Distribution Reinforcement	2	8	mm	23	6.70	308.2		
			Top Extra - Short Bars	2	8	mm	26	3.90	202.8		
			Top Extra - Long Bars	2	8	mm	12	5.15	123.6		
1		S4 & S6	Main Reinforcement	2	8	mm	39	5.82	453.96		
2			Distribution Reinforcement	2	8	mm	29	6.65	385.7		
			Top Extra - Short Bars	2	8	mm	26	4.75	247		
			Top Extra - Long Bars	2	8	mm	16	5.20	166.4		
1		S7	Main Reinforcement	1	8	mm	38	5.25	199.5		
2			Distribution Reinforcement	1	8	mm	23	6.75	155.25		
			Top Extra - Short Bars	1	8	mm	20	3.90	78		
			Top Extra - Long Bars	1	8	mm	27	5.25	141.75		
1		S8 & S9	Main Reinforcement	2	8	mm	38	5.25	399		
2			Distribution Reinforcement	2	8	mm	23	6.32	290.72		
			Top Extra - Short Bars	2	8	mm	26	3.90	202.8		
			Top Extra - Long Bars	2	8	mm	13	5.10	132.6		
1		S10	Main Reinforcement	1	8	mm	26	5.00	130		
2			Distribution Reinforcement	1	8	mm	22	5.00	110		
			Top Extra - Short Bars	1	8	mm	18	3.60	64.8		
			Top Extra - Long Bars	1	8	mm	16	3.60	57.6		
1		S11	Main Reinforcement	1	8	mm	29	4.90	142.1		
2			Distribution Reinforcement	1	8	mm	26	5.80	150.8		
			Top Extra - Short Bars	1	8	mm	16	3.60	57.6		
			Top Extra - Long Bars	1	8	mm	18	4.75	85.5		
1		S12	Main Reinforcement	1	8	mm	38	5.82	221.16		
2			Distribution Reinforcement	1	8	mm	29	6.72	194.88		
			Top Extra - Short Bars	1	8	mm	20	4.75	95		
			Top Extra - Long Bars	1	8	mm	16	5.25	84		
1		S13 & S14	Main Reinforcement	2	8	mm	38	5.82	442.32		
2			Distribution Reinforcement	2	8	mm	29	6.60	382.8		
			Top Extra - Short Bars	2	8	mm	26	4.60	239.2		
			Top Extra - Long Bars	2	8	mm	16	5.10	163.2		
1		S15	Main Reinforcement	1	8	mm	26	5.82	151.32		
2			Distribution Reinforcement	1	8	mm	23	5.00	115		
			Top Extra - Short Bars	1	8	mm	16	3.60	57.6		
			Top Extra - Long Bars	1	8	mm	18	4.60	82.8		
1		S16	Main Reinforcement	1	8	mm	34	5.80	197.2		
2			Distribution Reinforcement	1	8	mm	29	5.80	168.2		
			Top Extra - Short Bars	1	8	mm	16	4.75	76		
			Top Extra - Long Bars	1	8	mm	19	4.75	90.25		
1	F - Block	S1, S2,S3, S4	Main Reinforcement	4	8	mm	29	5.90	684.4		
2			Distribution Reinforcement	4	8	mm	29	6.20	719.2		
			Top Extra - Short Bars	4	8	mm	16	4.80	307.2		
			Top Extra - Long Bars	4	8	mm	16	4.90	313.6		
1		S5, S6, S7, S8	Main Reinforcement	4	8	mm	29	5.20	603.2		
2			Distribution Reinforcement	4	8	mm	22	6.20	545.6		
			Top Extra - Short Bars	4	8	mm	16	3.80	243.2		
			Top Extra - Long Bars	4	8	mm	16	4.80	307.2		
1	G - Block	S1, S2	Main Reinforcement	2	8	mm	35	5.90	413		
2			Distribution Reinforcement	2	8	mm	29	6.30	365.4		
			Top Extra - Short Bars	2	8	mm	18	4.85	174.6		
			Top Extra - Long Bars	2	8	mm	16	4.90	156.8		
1		S3, S4	Main Reinforcement	2	8	mm	35	5.10	357		
2			Distribution Reinforcement	2	8	mm	22	6.30	277.2		
			Top Extra - Short Bars	2	8	mm	18	3.75	135		
			Top Extra - Long Bars	2	8	mm	13	4.90	127.4		
1	H - Block	S2 to S39	Main Reinforcement	20	8	mm	34	4.90	3332		
2			Distribution Reinforcement	20	8	mm	23	6.00	2760		
			Top Extra - Short Bars	20	8	mm	18	3.90	1404		
			Top Extra - Long Bars	20	8	mm	13	4.70	1222		
1		S1 to S11, S16 to S38	Main Reinforcement	18	8	mm	34	4.50	2754		
2			Distribution Reinforcement	18	8	mm	20	6.00	2160		
			Top Extra - Short Bars	18	8	mm	18	3.40	1101.6		
			Top Extra - Long Bars	18	8	mm	24	4.70	2030.4		
1		S13	Main Reinforcement	1	8	mm	15	4.50	67.5		
2			Distribution Reinforcement	1	8	mm	19	3.60	68.4		
			Top Extra - Short Bars	1	8	mm	10	2.35	23.5		
			Top Extra - Long Bars	1	8	mm	12	3.40	40.8		

TOTAL QUNATITY				
Dia of Bar	**Unit**	**Total Length**	**Quantity**	**Unit**
8	mm	62499.76	24.69	MT
Wastage 2%			0.49	MT
Grand Total			25.19	MT

Drawing of Slab:



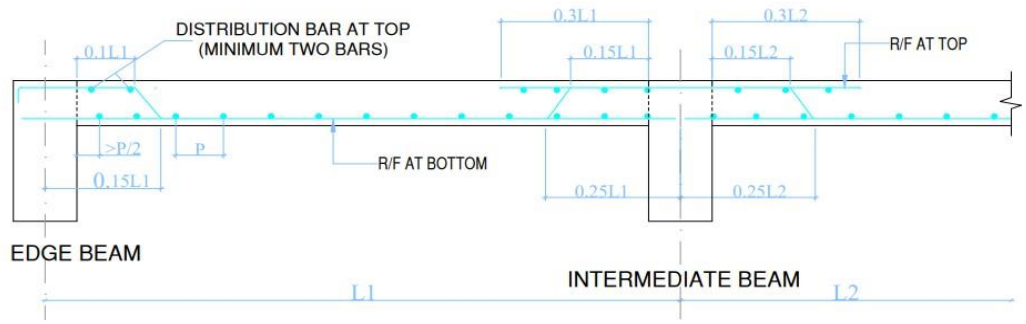
TYPICAL DETAIL FOR BARS IN SLAB

Appendix 13. Reinforcement Detail For Terrace Slab

Reinforcement Detail for Terrace Slab										
S.No	Description	Type	Description	Nos. of Slab	Dia of Bar	Unit	Nos. of bars	Cutting Length (in Mtr)	Total Cutting Length (Dia wise) in Mtr	
									8mm	12mm
1	H - Block	S13	Main Reinforcement	1	8	mm	15	4.50	67.5	
2			Distribution Reinforcement	1	8	mm	19	3.60	68.4	
			Top Extra - Short Bars	1	8	mm	10	2.35	23.5	
			Top Extra - Long Bars	1	8	mm	12	3.40	40.8	
1		S16 to S26	Main Reinforcement	6	8	mm	32	3.60	691.2	
2			Distribution Reinforcement	6	8	mm	20	5.80	696	
			Top Extra - Short Bars	6	8	mm	22	3.60	475.2	
			Top Extra - Long Bars	6	8	mm	10	4.50	270	

TOTAL QUNATITY				
Dia of Bar	**Unit**	**Total Length**	**Quantity**	**Unit**
8	mm	2332.6	0.92	MT
Wastage 2%			0.02	MT
Grand Total			**0.94**	MT

Drawing In That:



TYPICAL DETAIL FOR BARS IN SLAB