

<b>AREA STATEMENT FOR METTALIC ROAD</b>				
A	58.385	6.000	1	350.310
B	57.46	6.000	1	344.760
C	127.685	6.000	1	766.110
D	44.270	6.000	1	265.620
E	35.565	6.000	3	640.170
F	36.180	6.000	1	217.080
G	34.910	6.000	2	418.920
H	31.785	6.000	1	190.710
J	34.530	6.000	2	414.360
K	58.975	6.000	1	353.850
L	187.015	6.000	1	1122.090
M	168.285	6.000	1	1009.710
N	7.260	6.000	1	43.560
P	7.500	6.000	1	45.000
Q	14.210	6.000	1	85.260
R	14.785	6.000	1	88.710
S	21.600	6.000	1	129.600
T	135.840	6.000	1	815.040
U	140.450	6.000	1	842.700
V	22.555	6.000	1	135.330
W	18.145	6.000	1	108.870
X	6.000	3.785	1	22.710
Y	6.000	4.690	1	28.140
A1	3.080	2.000	4	24.640
A2	3.080	1.500	5	23.100
A3	4.730	137.345	5	3248.209
			<b>TOTAL</b>	<b>11734.559</b>
<b>ADD 10% FOR CURVED ROAD</b>				<b>1173.456</b>
<b>TOTAL METTALIC ROAD</b>				<b>12908.015</b>

Sub Work V					Street Lighting
S. No.	Description	Unit	Qty	Rate	In Lacs
1	Providing street lighting on internal roads as per standerd specification of HVPNL and CFL complete in all respect Provision made on L.S. cost @ Rs.2,50,000.00 per acre	L.S.	11.11875	250000.00	27.80
	<b>Add 3% contingencies</b>				0.83
	<b>Add 49% Deptt. Charges</b>				28.63
				<b>TOTAL</b>	<b>42.66</b>
	<b>(C.O. TO FINAL ABSTRACT OF COST SUB WORK - V)</b>			<b>SAY</b>	<b>Rs 42.66 lacs</b>



**Sub Work VI**

Horticulture

S. No.	Description	Unit	Qty	Rate	Amount In Lacs
1	Development of lawn area				
a)	Trenching the ordinary soil upto depth of 60 cm. including removal and apcking of servicable material and disposing at the lead of 50m and making upto the tranched area to prope level by filling with earth mixed with manure before and after flooding trenches with water including cost of imported earth and manure.				
b)	Rough dressing of trenchd area.				
c)	Grassing with including watering and maintenance of lawns free from weds and fit for moving in rows including for hedges, shrubs and green belt (as per HSVP Norms)	Per acre	1.5200	200000.00	3.04
2	Planting of trees with tree guards on roads at 12 m intervals Total length of roads = 1540 mtr No of trees @ 12m c/c = 1540/12 = 128.33 nos say = 129 nos Cost of the tree @ 2310/- each	Nos.	129	2310.00	2.98
<b>TOTAL</b>					<b>6.02</b>
<b>Add 3% contingencles</b>					<b>0.18</b>
<b>Add 49% Deptt. Charges</b>					<b>3.04</b>
<b>TOTAL</b>					<b>9.24</b>
<b>(C.O. TO FINAL ABSTRACT OF COST SUB WORK - VI)</b>					<b>SAY 9.24</b>



Sub Work VII					Maintenance
S. No.	Description	Unit	Qty	Rate	In Lacs
1	Provision for maintenance charges for water supply, sewerage, storm water drainage, roads, street light, horticulture etc. complete including operation and establishment charges as per HSVP norms after completion and resurfacing of roads after 10 years or 1st phase.	Acre	11.11875	<del>750000.00</del> 8.00/las	<del>83.39</del> 88.95
2	Provision for resurfacing and strengthening of roads after 1st five years of 1st phase with 150 mm thick RCC @ 600/sqm incl. leveling coarse and 30mm Bc as per construction which rate is 500	Sq. M	<del>2.283</del> 12908	660.00	<del>0.02</del> 85.19
3	Provision for resurfacing and strengthening of road after 10 years of 2nd phase with 100 mm thick RCC @ 750/sqm Bm to 30mm Bc as per construction which rate is 500	Sq. M	<del>2.283</del> 12908	825.00	<del>0.02</del> 106.49
Add 3% contingencies					2.50 289.05
Add 49% Deptt. Charges					85.93 141.63
					<del>42.40</del> 430.68
TOTAL					428.03
(C.O. TO FINAL ABSTRACT OF COST SUB WORK - VII)					8 430.68 las
					128.03



PROJECT :- AFFORDABLE GROUP HOUSING COLONY OVER AN AREA MEASURING 11.11875 ACRES IN SECTOR -7 SOHNA (LICENCE NO-182 OF 2024 DATED 10.12.2024) BEING DEVELOPED BY ROF INFRATECH & HOUSING PVT LTD

TITLE :- DOMESTIC WATER SUPPLY HYDRAULIC CHART FOR RING LINES.

S.NO	Line No		PLOTS (GENERAL)			Water Requirement for Non Residential Plots.					Gross Water Requirement (Load on Line)	Average Demand	Peak Demand @ 2.5 Times	Flow Rate	Length of Pipe	Head Loss Mtr	Total Head Loss	Velocity	Dia of Pipe	Ground LVL at start	Hydraulic LVL at start	Head at start	Ground LVL at End	Hydraulic LVL at End	Head at End
	From	To	No.	Population @ 5 persons / DU.	Water Requirement @ 155.25 Ltr/head / day	Commercial Area in Acre	TYPE OF BUILDING	Basis of Water Requirement in commercial LPD	OCF	Total Water Requirement in LPD															
			5		100.91																				
1	UGT	D-01	1891	9455	954128	0.222	COMMERCIAL	5267	1651	6918	961046	961	2403	1668	18	0.0204	0.37	1.573	150	95.300	165.30	70.00	100.300	164.93	64.63
2	D-01	D-02	1891	9455	954128	0.222	COMMERCIAL	5267	1651	6918	961046	961	2403	1668	23	0.0204	0.47	1.573	150	100.300	164.93	64.63	100.300	164.46	64.16
3	D-02	D-03	696	4480	452068	0.222	COMMERCIAL	5267	1651	6918	459006	459	1148	797	28	0.0374	1.05	1.690	100	100.300	164.46	64.16	100.300	163.42	63.12
4	D-03	D-04	784	3920	395577	0.222	COMMERCIAL	5267	1651	6918	402495	402	1006	699	38	0.0293	1.11	1.482	100	100.300	163.42	63.12	100.300	162.31	62.01
5	D-04	D-05	672			0.222	COMMERCIAL	5267	1651	6918	6918	7	17	12	38	0.0000	0.00	0.025	100	100.300	162.31	62.01	100.300	162.30	62.00
6	D-05	D-06	560			0.222	COMMERCIAL	5267	1651	6918	6918	7	17	12	38	0.0000	0.00	0.025	100	100.300	162.30	62.00	100.300	162.30	62.00
7	D-06	D-07	448			0.222	COMMERCIAL	5267	1651	6918	6918	7	17	12	38	0.0000	0.00	0.025	100	100.300	162.30	62.00	100.300	162.30	62.00
8	D-07	D-08	336			0.222	COMMERCIAL	5267	1651	6918	6918	7	17	12	38	0.0000	0.00	0.025	100	100.300	162.30	62.00	100.300	162.30	62.00
9	D-08	D-09					DU		1651	1651	1651	2	4	3	39	0.0000	0.00	0.006	100	100.300	162.30	62.00	100.300	162.30	62.00
10	D-08	D-10	336			0.222	COMMERCIAL	5267		5267	5267	5	13	9	50	0.0000	0.00	0.019	100	100.300	162.30	62.00	100.300	162.30	62.00
11	D-10	D-11	0			0.222	COMMERCIAL	5267		5267	5267	5	13	9	110	0.0000	0.00	0.019	100	100.300	162.30	62.00	100.300	162.30	62.00
12	D-10	D-12	336			0.000	DU	0		0	0	0	0	0	72	0.0000	0.00	0.000	100	100.300	162.30	62.00	100.300	162.30	62.00
13	D-12	D-13	224			0.000	DU	0		0	0	0	0	0	38	0.0000	0.00	0.000	100	100.300	162.30	62.00	100.300	162.30	62.00
14	D-13	D-14	112	560	56511	0.000	DU	0	0	0	56511	57	141	98	38	0.0008	0.03	0.208	100	100.300	162.30	62.00	100.300	162.27	61.97
15	D-02	D-15	995			0.000	DU	0		0	0	0	0	0	74	0.0000	0.00	0.000	100	100.300	164.46	64.16	100.300	164.46	64.16
16	D-15	D-16	883			0.000	DU	0		0	0	0	0	0	1	0.0000	0.00	0.000	100	100.300	164.46	64.16	100.300	164.46	64.16
17	D-16	D-17	784			0.000	DU	0		0	0	0	0	0	34	0.0000	0.00	0.000	100	100.300	164.46	64.16	100.300	164.46	64.16
18	D-17	D-18	672			0.000	DU	0		0	0	0	0	0	2	0.0000	0.00	0.000	100	100.300	164.46	64.16	100.300	164.46	64.16
19	D-18	D-19	560			0.000	DU	0		0	0	0	0	0	32	0.0000	0.00	0.000	100	100.300	164.46	64.16	100.300	164.46	64.16
20	D-19	D-20	448			0.000	DU	0		0	0	0	0	0	6	0.0000	0.00	0.000	100	100.300	164.46	64.16	100.300	164.46	64.16
21	D-20	D-21	336			0.000	DU	0		0	0	0	0	0	29	0.0000	0.00	0.000	100	100.300	164.46	64.16	100.300	164.46	64.16
22	D-21	D-22	224			0.000	DU	0		0	0	0	0	0	9	0.0000	0.00	0.000	100	100.300	164.46	64.16	100.300	164.46	64.16
23	D-22	D-23	112			0.000	DU	0		0	0	0	0	0	37	0.0000	0.00	0.000	100	100.300	164.46	64.16	100.300	164.46	64.16

852-



PROJECT :-AFFORDABLE GROUP HOUSING COLONY OVER AN AREA MEASURING 11.11875 ACRES IN SECTOR-7 SOHNA (LICENCE NO.182 OF 2024 DATED -10.12.2024) BEING DEVELOPED BY ROF INFRA TECH & HOUSING PVT.LTD.

TITLE :- FLUSHING WATER SUPPLY HYDRAULIC CHART FOR RING LINES.

S.No.	Line No	PLOTS (GENERAL)				Water Requirement for Non Residential Plots.				Gross Water Requirement (Load on Line)	Average Demand	Peak Demand @ 2.5 Times	Flow Rate	Length of Pipe	Head Loss Mtr	Total Head Loss	Velocity	Dia of Pipe	Ground LVL at start	Hydraulic LVL at start	Head at start	Ground LVL at End	Hydraulic LVL at End	Head at End
		Population @ 5 persons / DU.	Water Requirement @ 155.25 Ltr/head / day	Commercial Area in Acre	TYPE OF BUILDING	Basis of Water Requirement in LPD	GWF	Total Water Requirement in LPD	LPD															
		5	54.34																					
1	STP	1891	513761	0.222	COMMERCIAL	2836	889	3725	517486	517	1294	898	15	0.0065	0.10	0.847	150	95.300	165.30	70.00	100.300	185.20	64.90	
2	F-01	965	270329					0	270329	270	676	469	24	0.0140	0.34	0.995	100	100.300	165.20	64.90	100.300	164.87	64.57	
3	F-02	883	239900					0	239900	240	800	416	1	0.0112	0.01	0.883	100	100.300	164.87	64.57	100.300	164.86	64.56	
4	F-03	784	213003					0	213003	213	533	370	45	0.0090	0.41	0.784	100	100.300	164.86	64.56	100.300	164.45	64.15	
5	F-04	672	182574					0	182574	183	456	317	2	0.0068	0.01	0.672	100	100.300	164.45	64.15	100.300	164.44	64.14	
6	F-05	560	152145					0	152145	152	380	264	32	0.0048	0.15	0.560	100	100.300	164.44	64.14	100.300	164.28	63.98	
7	F-06	448	121716					0	121716	122	304	211	6	0.0032	0.02	0.448	100	100.300	164.28	63.98	100.300	164.26	63.96	
8	F-07	336	91287					0	91287	91	228	159	29	0.0019	0.05	0.336	100	100.300	164.26	63.96	100.300	164.21	63.91	
9	F-08	224	60858					0	60858	61	152	106	9	0.0009	0.01	0.224	100	100.300	164.21	63.91	100.300	164.20	63.90	
10	F-09	112	30429					0	30429	30	76	53	38	0.0002	0.01	0.112	100	100.300	164.20	63.90	100.300	164.19	63.89	
11	F-10	896	243432	0.222	COMMERCIAL	2836	889	3725	247157	247	618	429	50	0.0119	0.59	0.910	100	100.300	165.20	64.90	100.300	164.61	64.31	
12	F-11	896	243432	0.222	COMMERCIAL	2836	889	3725	247157	247	618	429	28	0.0119	0.33	0.910	100	100.300	164.61	64.31	100.300	164.28	63.98	
13	F-12	784	213003	0.222	COMMERCIAL	2836	889	3725	216728	217	542	376	38	0.0093	0.35	0.798	100	100.300	164.28	63.98	100.300	163.92	63.62	
14	F-13	672	182574	0.222	COMMERCIAL	2836	889	3725	186299	186	466	323	38	0.0070	0.27	0.686	100	100.300	163.92	63.62	100.300	163.66	63.36	
15	F-14	560	152145	0.222	COMMERCIAL	2836	889	3725	155870	156	390	271	38	0.0051	0.19	0.574	100	100.300	163.66	63.36	100.300	163.46	63.16	
16	F-15	448	121716	0.222	COMMERCIAL	2836	889	3725	125441	125	314	218	38	0.0034	0.13	0.462	100	100.300	163.46	63.16	100.300	163.34	63.04	
17	F-16	336	91287	0.222	COMMERCIAL	2836	889	3725	95012	95	238	165	59	0.0020	0.12	0.350	100	100.300	163.34	63.04	100.300	163.22	62.92	
18	F-17	0	0	0.000	DU	0	889	889	889	1	2	2	44	0.0000	0.00	0.003	100	100.300	163.22	62.92	100.300	163.22	62.92	
19	F-18	336	91287	0.222	COMMERCIAL	2836	0	2836	94123	94	235	163	50	0.0020	0.10	0.347	100	100.300	163.22	62.92	100.300	163.12	62.82	
20	F-19	0	0	0.222	COMMERCIAL	2836	0	2836	2836	3	7	5	110	0.0000	0.00	0.010	100	100.300	163.12	62.82	100.300	163.12	62.82	
21	F-20	336	91287	0.000		350		350	91637	92	229	159	72	0.0019	0.14	0.337	100	100.300	163.12	62.82	100.300	162.98	62.68	
22	F-21	224	60858	0.000		0		0	60858	61	152	106	38	0.0009	0.03	0.224	100	100.300	162.98	62.68	100.300	162.95	62.65	
23	F-22	112	30429	0.000		0		0	30429	30	76	53	38	0.0002	0.01	0.112	100	100.300	162.95	62.65	100.300	162.94	62.64	

16234, GROUND FLOOR, MPD  
SARAI, NOIDA  
011-40565000



PROJECT :- AFFORDABLE GROUP HOUSING COLONY OVER AN AREA MEASURING 11.11875 ACRES IN SECTOR - 7 SOHNA (LICENCE NO 182 OF 2024 DATED 10.12.2024) BEING DEVELOPED BY ROF INFRA TECH & HOUSING PVT.LTD

TITLE :- STORM WATER DRAINAGE - HYDRAULIC DESIGN CHART.

S.No	Line No.	Length in mtr.	self area in sqmtr.	Self Area (Hec)	previous area in hec.	Total Area (Hec)	Rain Fall mm/hr	Discharge @12.15 lps/Hec	Pipe dia (mm)	Slope (mm) 1 in	Velocity m/sec.	Cap of pipe in lps.	Fall in line mtr.	Ground level at Start	Invert Level at Start	Ground level at End	Invert Level at End	Manhole Depth			Manhole Type		
																		Depth at Start	Depth at End	Average Depth	No. of Manhole	910 Dia upto 1.67m Type-A	1220 Dia upto 2.29m Type-B
1	ST-1	58.0	495	0.050	0.000	0.050	6.25	0.60	400	450	0.923	116.07	0.13	100.300	99.40	100.300	99.27	0.90	1.03	0.96	4	0	0
2	ST-2	136.0	3193	0.319	0.000	0.319	6.25	3.88	400	450	0.923	116.07	0.30	100.300	99.40	100.300	99.10	0.90	1.20	1.05	10	0	0
3	ST-3	38.0	826	0.083	0.369	0.451	6.25	5.49	400	450	0.923	116.07	0.08	100.300	99.10	100.300	99.01	1.20	1.29	1.24	2	0	0
4	ST-4	40.0	928	0.093	0.000	0.093	6.25	1.13	400	450	0.923	116.07	0.09	100.300	99.40	100.300	99.31	0.90	0.99	0.94	3	0	0
5	ST-5	44.0	803	0.080	0.544	0.625	6.25	7.59	400	450	0.923	116.07	0.10	100.300	99.01	100.300	98.92	1.29	1.38	1.34	3	0	0
6	ST-6	39.0	928	0.093	0.000	0.093	6.25	1.13	400	450	0.923	116.07	0.09	100.300	99.40	100.300	99.31	0.90	0.99	0.94	3	0	0
7	ST-7	34.0	482	0.048	0.717	0.766	6.25	9.30	400	450	0.923	116.07	0.08	100.300	98.92	100.300	98.84	1.38	1.46	1.42	3	0	0
8	ST-8	40.0	699	0.070	0.000	0.070	6.25	0.85	400	450	0.923	116.07	0.09	100.300	99.40	100.300	99.31	0.90	0.99	0.94	3	0	0
9	ST-9	93.0	1496	0.150	0.835	0.985	6.25	11.97	400	450	0.923	116.07	0.21	100.300	98.84	100.300	98.63	1.46	1.67	1.56	5	0	0
10	ST-10	142.0	4006	0.401	0.000	0.401	6.25	4.87	400	450	0.923	116.07	0.32	100.300	99.40	100.300	99.08	0.90	1.22	1.06	10	0	0
11	ST-11	61.0	1094	0.109	1.386	1.495	6.25	18.17	400	450	0.923	116.07	0.14	100.300	98.63	100.300	98.50	1.67	1.80	1.73	5	0	0
12	ST-12	242.0	4757	0.476	0.000	0.476	6.25	5.78	400	450	0.923	116.07	0.54	100.300	99.40	100.300	98.86	0.90	1.44	1.17	16	0	0
13	ST-13	204.0	7524	0.752	0.000	0.752	6.25	9.14	400	450	0.923	116.07	0.45	100.300	99.40	100.300	98.95	0.90	1.35	1.13	15	0	0
14	ST-14	45.0	1055	0.106	1.228	1.334	6.25	16.21	400	450	0.923	116.07	0.10	100.300	98.86	100.300	98.76	1.44	1.54	1.49	2	0	0
15	ST-15	6.0	232	0.023	2.829	2.852	6.25	34.66	400	450	0.923	116.07	0.01	100.300	98.50	100.000	98.48	1.80	1.52	1.66	1	0	0
16	ST-16	33.0	486	0.049	0.000	0.049	6.25	0.59	400	450	0.923	116.07	0.07	100.300	99.40	100.300	99.33	0.90	0.97	0.94	2	0	0
17	ST-17	187.0	3599	0.360	0.049	0.409	6.25	4.96	400	450	0.923	116.07	0.42	100.300	99.33	100.300	98.91	0.97	1.39	1.18	15	0	0
18	ST-18	25.0	736	0.074	0.000	0.074	6.25	0.89	400	450	0.923	116.07	0.06	100.300	99.40	100.300	99.34	0.90	0.96	0.93	2	0	0
19	ST-19	127.0	3925	0.393	0.074	0.466	6.25	5.86	400	450	0.923	116.07	0.28	100.300	99.34	100.300	99.06	0.96	1.24	1.10	10	0	0
20	ST-20	20.0	102	0.010	0.875	0.885	6.25	10.75	400	450	0.923	116.07	0.04	100.300	98.91	100.300	98.87	1.39	1.43	1.41	2	0	0
21	ST-21	134.0	1163	0.116	0.000	0.116	6.25	1.41	400	450	0.923	116.07	0.30	100.300	99.40	100.300	99.10	0.90	1.20	1.05	11	0	0
22	ST-22	34.0	1009	0.101	1.001	1.102	6.25	13.39	400	450	0.923	116.07	0.08	100.300	98.87	100.300	98.79	1.43	1.51	1.47	3	0	0
23	ST-23	43.0	1376	0.138	0.000	0.138	6.25	1.67	400	450	0.923	116.07	0.10	100.300	99.40	100.300	99.30	0.90	1.00	0.95	3	0	0
24	ST-24	4.0	124	0.012	1.240	1.252	6.25	15.22	400	450	0.923	116.07	0.01	100.300	98.79	100.300	98.78	1.51	1.52	1.51	1	0	0

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PROJECT : AFFORDABLE GROUP HOUSING COLONY OVER AN AREA MEASURING 11.11875 ACRES IN SECTOR -7 SOHNA (LICENCE NO 182 OF 2024 DATED 10.12.2024) BEING DEVELOPED BY ROF INFRATECH & HOUSING PVT LTD

S. No.	Name of Sewer Line		Plots (DDJAY)			Water Requirement for Non-Residential Plots					
			Number of DU	Population @ 5 persons / DU	Water Reulrement @ 155.25 Ltr/ head / day	Type of Building	Basis of Water Requrement	Total Water Requrement.	Gross Water Requrement (Load on Line)	Sewage Flow (Self Load on Line)	Sewage Flow (Self Load on Line)
From	To		5	155.25		Lumpsum			80%	1000	
1	SW-1	SW-3	168	840	130410	DU	0	0	130410	104328	104.33
2	SW-2	SW-3	168	840	130410	DU	0	0	130410	104328	104.33
3	SW-3	SW-5	0	0	0	DU	0	0	0	0	0.00
4	SW-4	SW-5	0	0	0	COMMERCIAL	7103	7103	7103	5683	5.68
5	SW-5	SW-7	0	0	0	DU	0	0	0	0	0.00
6	SW-6	SW-7	0	0	0	COMMUNITY CENTRE	2540	2540	2540	2032	2.03
7	SW-7	SW-8	0	0	0	DU		0	0	0	0.00
8	SW-8	SW-20	280	1400	217350	DU		0	217350	173880	173.88
9	SW-9	SW-11	56	280	43470	DU		0	43470	34776	34.78
10	SW-10	SW-11	112	560	86940	DU		0	86940	69552	69.55
11	SW-11	SW-13	0	0	0	DU		0	0	0	0.00
12	SW-12	SW-13	112	560	86940	DU		0	86940	69552	69.55
13	SW-13	SW-15	0	0	0	DU		0	0	0	0.00
14	SW-14	SW-15	106	530	82283	DU		0	82283	65826	65.83
15	SW-15	SW-21	49	245	38036	DU		0	38036	30429	30.43
16	SW-16	SW-17	280	1400	217350	DU		0	217350	173880	173.88
17	SW-17	SW-19	0	0	0	DU		0	0	0	0.00
18	SW-18	SW-19	280	1400	217350	DU		0	217350	173880	173.88
19	SW-19	SW-20	0	0	0	DU		0	0	0	0.00
20	SW-20	SW-21	280	1400	217350	DU		0	217350	173880	173.88
21	SW-21	STP	0	0	0	DU		0	0	0	0.00

