

PROJECT REPORT / ESTIMATES FOR PROVIDING INTERNAL SERVICES e.g. WATER SUPPLY, FIRE, SEWERAGE & STORM WATER DRAINAGE ETC. IN RESPECT OF AFFORDABLE RESIDENTIAL PLOTTED COLONY AREA MEASURING 9.3694 ACRES (LICENSE NO.75 OF2021 DATED 24/09/2021) UNDER "DEEN DAYAL JAN AWAS YOJNA , IN THE REVENUE ESTATE OF VILLAGE BADHA AND HAYATPUR , SECTOR 93 , GURUGRAM

Sohna (Gurgram) is located at 28°28'N 77°02'E 28.47°N 77.03°E/28.47; 77.03. It has an average elevation of 220 metres (721 ft) Gurgram district, comprising four blocks Pataudi, Sohnna, Gurgram and Farrukhnagar, was created on 15 August, 1979. On its north,

AFFORDABLE RESIDENTIAL PLOTTED COLONY proposed at Sector 93, at Gurgram for development by **M/S DIVERSE DEVELOPERS LLP**

Water Supply

The source of water supply shall be HUDA water supply connection. It has been proposed to construct underground tanks of capacity as per attached detailed for domestic and other purpose. The underground tanks will be filled up from the riser and then pum

1 Source

The source of water supply in this area is tubewells as the underground water is sweet and fit for human consumption, moreover, the water is available at reasonable depth. The average yield of tubewell with 60'-80' strainer will be about 18000 lph per hour

2 Pumping Equipments

It has been proposed to install pumping set as described with standby of equal capacity. The provision for standby generating set has been provided in case of any electricity failure. Generator will be provided separately or added to the capacity of main

3 Sewerage

This scheme is designed for sewer connecting to the proposed sewage treatment. The sewerage system has been marked on the respective plans.

The sewer lines have been designed for 3 times average DWR in relation to the water supply demand assuming that 80% fo the domestic water supply shall find its way into the proposed sewer SW pipe sewers have been proposed designed to run half full. The

Necessary design statement for entire sewerage system has been prepared and attached with estimate.

4 Storm Water Drainage

The storm water drain is being designed to carry 25 mm rain fall per hour. Also suitable provisions are contemplated in our scheme to ensure better recharging of under ground water table in the area. RCC NP2 pipe drain with minimum 400 mm dia is proposed

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5	Roads				
	Cost of road has been taken in the estimate				
6	Street Lighting				
	Provision for street lighting on surrounding area has been made.				
7	Horticulture				
	Estimates and details of plantation, landscaping, signage etc. has been included				
8	<u>Specifications :</u>				
	The work will be carried out in accordance with the standard specifications of PH as laid down by the HUDA/Haryana Government.				
9	<u>Rates</u>				
	Estimates for providing services in this site has been prepared on the recent market rates.				
10	<u>Cost</u>				
	The total cost of development in this Project including various PH & B & R services works out to Rs. 509 lacs which includes 3% contingency and PE charges and 49% departmental charges also.				
	The cost per gross acre for this works out to Rs. 54.33 Lacs/acre which covers the provision of services like water supply, sewerage, storm water drainage, roads, street lighting and plantations including plantations maintenance thereof as well as future				
	M/S DIVERSE DEVELOPERS LLP				
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GROUP HOUSING AT SECTOR-93, GURUGRAM (HARYANA)**1 DESIGN CALCULATION****i) Daily Domestic Water Requirement****a) Residential (No. of Plots)**

173

Population @ 20 person per Plot

20

Therefore population (DU)

3460 persons

Total Population

3460 persons

SAY**3460 persons**

Water requirement

@

135 liter / head / day

467100.00 lpd

or**467.00 KLD (a)****b) Commercial**

Daily water requirement lumpsum

@

10000 lit/acre

Therefore daily water requirement

10000 lit/day

10.00 KLD (b)

ii) Total Daily Water Requirement for (a+b+c+d)**477.00 KLD****a) Domestic Water Requirement @**

70%

Say

333.90 KLD

330.00 KLD**b) Flushing Water Requirement @**

30%

Say

143.10 KLD

140.00 KLD**iii) Water usage from STP****a) Area under Parks**

0.70 acre

Daily water requirement

@

25000 lit/acre/day

17500.00 lit/day

17.50 KLD

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b)	Area under Roads				
	Daily water requirement		Lumpsum	10000 lit/acre/day	
				10000 lit/day	
				10 KLD	
c)	Under Road+ Parks (a+b)		Total	27.50 KLD	
			Say	30.00 KLD	
iv)	Total treated water requirement [ii (b) + iii (c)]			170.00 KLD	
v)	Total Daily Requirement [ii (a) + iv]			500.00 KLD	
			SAY	500.00 KLD	
2 Tubewell					
	Assuming working hours of tubewells			16 hours	
	Assuming discharge/hour of each tubewell			18 KL/hours	
	Total fresh water demand			330.00 KLD	
	No. of tubewells required	330.00 /18/10		1.15	
	Add 10% standby			0.11	
		Total		1.26	
		Say		2.00	
	It is proposed to provide (i.e. 2 No.) to cater the present requirement				
3 Pumping machinery for tubewell					
	Gross working load		=	70.00 m	
	Average fall in SL		=	3.05 m	
	Depression head		=	6.10 m	
	Friction loss in main		=	2.50 m	
			=	81.65 m	
		Say	=	82.00 m	
	BHP = $18000 \times 77 \times 1 / 60 \times 60 \times 75 \times 0.6$		=	9.11 BHP	
	With 60% efficiency	Say		10.0 BHP	
4 Underground Tank					
	Daily fresh water requirement for domestic use		=	330.00 KL	
	Capacity of under ground tank				
	36 hours storage	$330.00 \times 36 / 24$	=	495.00 KL	
		Say	=	495.00 KL	
		Total		495 KL	
	It is proposed to provide under ground tank of capacity 495 KL.				

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This tank will have three compartments, one for raw and the other two for domestic use. The water first enters the raw compartment, then after treatment shall be stored in domestic tanks

TOTAL UG STORAGE (DOMESTIC + FLUSHING + HORTICULTURE)	665.00 KL
RAW WATER TANK	165.00 KL
DOMESTIC WATER TANK	330.00 KL
FLUSHING, HORTICULTURE & ROAD WASHING (PART OF STP)	170.00 KL



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5 DOMESTIC WATER PUMPS - LOCATED IN PUMP ROOM				
a.) RAW WATER FILTER FEED PUMP				
Daily requirement for domestic use		=	330.00	KL
Assuming 12 hours running 1 pumps (with one standby)		=	27.50	KL/HR
Discharge/hour	330.00 / 12 / 1	=		
Head of pump		=	0.0	m
i) Suction lifts		=	0.0	m
ii) Friction loss in M<main & specials		=	35.0	m
iii) Clear head		=	35.0	m
BHP of motor	27.50 x 1000x35/4500x60x0.60		5.9	HP
	SAY	=	7.5	HP
b.) Domestic Water Transfer Pumps				
Daily requirement for domestic use overhead tank filling (in two shifts)		=	165.00	KL
Assuming 6 hours running 1 pumps (with one standby)		=	27.50	KL/HR
Discharge/hour	165.00 / 6 / 1	=		
Head of pump		=	0.0	m
i) Suction lifts		=	15.0	m
ii) Friction loss in M<main & specials		=	15.0	m
iii) Clear head		=	15.0	m
iv) Residual head		=	45.0	m
BHP of motor	27.50 x 1000x55/4500x60x0.60		7.6	HP
	SAY	=	7.5	HP
6 FLUSHING WATER PUMPS - LOCATED IN STP				
a) LOCATED IN STP				
Daily requirement for flushing use (in two shifts)		=	70.00	KL
Assuming 6 hours running 1 pumps (with one standby)		=	11.67	KL/HR
Discharge/hour	70.00 / 6 / 1	=		
Head of pump		=	0.0	m
i) Suction lifts		=	15.0	m
ii) Friction loss in M<main & specials		=	15.0	m
iii) Clear head		=	15.0	m
iv) Residual head		=	45.0	m
BHP of motor	11.67 x 1000x55/4500x60x0.60		3.2	HP
	SAY	=	5.0	HP

For DIVERSE DEVELOPER, L.L.

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7 Capacity of Gen Set		Nos.	HP		
a.)	Raw Water Transfer Pumps	1	7.5	=	7.5 HP
b.)	Domestic water transfer pumps	1	7.5	=	7.5 HP
c.)	Flushing water transfer pumps in STP	1	5.0	=	5 HP
d.)	Tubewell	2	10.0	=	20 HP
e.)	Lighting			=	25 HP
					65 HP
		or	65 x 0.746 x 1.50		72.735 KVA
			Say		80 KVA
Requirement of 80 KVA capacity will be added in to the main D.G. set to provide standby supply.					

For DIVERSE DEVELOPERS L.



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Estimate for Providing in Internal Development works for Plotted Development for

M/S DIVERSE DEVELOPERS LLP. At Gurgaon (Haryana)

Description	Amount (Lacs.)
Sub Work - I Water Supply	123.00
Sub Work - II Sewerage	68.00
Sub Work - III Storm Water Drainage	69.00
Sub Work - IV Roads & Footpath	120.00
Sub Work - V Street Lighting	11.00
Sub Work - VI - Horticulture	17.00
Sub Work - VII - Maintenance of Services for 10 years including resurfacing of roads after 1st 5 years & II phase i.e. 10 years of maintenance (as per HUDA norms)	101.00
Total	509.00
Say	509.00

(RUPEES FIVE CRORE NINE LACS ONLY)

M/S DIVERSE DEVELOPERS LLP Gurgaon (Haryana)

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SUMMARY OF SUB WORK - I (WATER SUPPLY)

	Amount (Lacs.)
Sub Head - (I) Head Works	25.00
Sub Head - (II) Pumping Machinery	17.00
Sub Head - (III) Distribution System	25.00
Sub Head - (IV) Irrigation Scheme	11.00
Sub Head - (V) Fire Scheme	2.00
Total	80.00
Add 3% Contingencies	2.40
	82.40
Add 49% Departmental Charges	40.38
	122.78
	Total
(CO to final abstract of cost)	Say
	123.00

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Sub Work I Sub Head No. I				Water Supply Head Works	
S. No.	Description	Unit	Qty	Rate	Amount (Rs.) (in Lakhs)
1	Boring and installing 510 mm i/d tubewells with reverse/direct rotary rig complete with pipe strainer to a depth of about 80 m. complete	Nos.	2	200000.00	4.00
2	Constructing pump chambers as per standard design of PWD PH/HUDA of size 1.50x1.50 m	Nos.	2	90000.00	1.80
3	Construction of boosting chambers of suitable size along with under ground tank of capacity 1050 KL pumping machinery and generating set etc. complete in all respects.				
	Details of boosting station				
i)	construction of boosting chamber				2.00
ii)	UG tank 495 KL @ 2500 / KL.				12.38
4	Provision for carriage of material and other unforeseen items				1.50
5	Provision for facilities staff for Maintenance				3.00
	(C.O. to abstract of cost of Sub-work No.I)				24.68 Lacs
				Say	25.00 Lacs

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Sub Work I Sub Head No. II				Water Supply Pumping Machinery	
S. No.	Description	Unit	Qty	Rate	Amount (Rs.) (in Lakhs)
1 (i)	Providing & installing electricity driven pumping set capable of delivering 460 LPM of water against a total head of 35 m complete with motor and other accessories (For Filter feed pump - 7.5 HP)	Nos.	2	75000.00	1.50
(ii)	Providing & installing electricity driven pumping set capable of delivering 460 LPM of water against a total head of 45 m complete with motor and other accessories (For Domestic -7.5 HP)	Nos.	2	85000.00	1.70
(iii)	Providing & installing electricity driven pumping set capable of delivering 195 LPM of water against a total head of 45 m complete with motor and other accessories (For Flushing located in STP - 5 HP)	Nos.	2	65000.00	1.30
2	Provision for diesel engine generator set each for standby Arrangements for booster pump complete with gear head arrangements of following capacities. 1 No. - 80 KVA	Nos.	1	400000.00	4.00
3	Provision for diesel engine genset stand bye arrangements for Tubewells	Nos.	1	150000.00	1.50
4	Provision for cheap pressure type chlorination plant complete	Nos.	1	15000.00	0.15
5	Provision for making foundations & erection of pumping machinery	LS			1.50
6	Provision for pipes, valves & specials inside the pump chamber	LS			1.25
7	Provision for electric services connection including electric fittings for tubewells chambers complete	LS			3.00
8	Provision for carriage for materials and other unforeseen items	LS			0.75
	(C.O. to abstract of cost of Sub-work No.I)				16.65 Lacs
				Say	17.00 Lacs

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Sub Work I Sub Head No. III			Water Supply Distribution System/Rising Main		
S. No.	Description	Unit	Qty	Rate	Amount (Rs.)
1	Providing, laying, jointing & testing G.I. pipes including cost of excavation complete as per ISI marked.				
i)	25 mm dia	M	250	320.00	80000.00
ii)	32 mm dia	M	50	400.00	20000.00
iii)	40 mm dia	M	50	500.00	25000.00
iv)	50 mm dia	M	200	550.00	110000.00
v)	65 mm dia	M	20	750.00	15000.00
vi)	80 mm dia	M	100	820.00	82000.00
vii)	100 mm dia	M	1500	900.00	1350000.00
2	Providing, fixing & Testing Ball valves including cost of complete in all respects.				
i)	25 mm dia	Nos.	90	800.00	72000.00
ii)	32 mm dia	Nos.	2	1250.00	2500.00
iii)	40 mm dia	Nos.	2	1500.00	3000.00
3	Providing, fixing & Testing Sluice valves including cost of complete in all respects.				
i)	50 mm i/d	Nos.	1	7500.00	7500.00
ii)	80 mm i/d	Nos.	1	8000.00	8000.00
iii)	100 mm i/d	Nos.	5	10000.00	50000.00
iv)	150 mm i/d	Nos.	0	15000.00	0.00
4	Providing, fixing & Testing Non Return valves (NRV) including cost of complete in all respects.				
i)	100 mm i/d	Nos.	2	10000.00	20000.00
4	Providing and fixing air valves and scour valves including cost of complete in all respects.				
		Nos.	2	4500.00	9000.00
5	Providing and fixing indicating plates for sluice valve, air valve etc.				
		Nos.	4	1000.00	4000.00
6	Provision for carriage of material	LS	-	-	150000.00
7	Provision for cutting the roads and making to its original conditions.	LS	-	-	150000.00
8	Making water supply connection.	LS	-	-	250000.00
9	Provision for rising main from tubewells to UG Tank				
i)	100 mm i/d	M	100	950.00	95000.00
ii)	150 mm i/d	M	0	1350.00	0.00
	(C.O. to abstract of cost of Sub-work No.I)				2503000.00
				Say	25.00 Lacs

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S. No.	Description	Unit	Qty	Rate	Amount (Rs.)
Sub Work I Sub Head No. IV					Water Supply Irrigation
S. No.	Description	Unit	Qty	Rate	Amount
1	Providing, laying, jointing & testing uPVC pipe line conforming to IS 4985 including cost of Excavation etc. complete in all respect.				
i)	25 mm dia	M	150	175.00	26250.00
ii)	50 mm dia	M	200	450.00	90000.00
ii)	80 mm dia	M	1500	550.00	825000.00
2	Providing and fixing 20mm dia Irrigation hydrant valve complete in all respect.	Nos.	40	800.00	32000.00
3	Providing & fixing valve 25mm dia	Nos.	40	400.00	16000.00
4	Providing, fixing & Testing Sluice valves including cost of complete in all respects.				
i)	100 mm i/d	Nos.	2	12000.00	24000.00
5	Providing and fixing air valves and scour valves including cost of complete in all respects.	Nos.	2	4500.00	9000.00
6	Providing and fixing indicating plates for sluice valve, air valve etc.	Nos.	4	1000.00	4000.00
7	Provision for carriage of materials etc. and other unforeseen charges	LS	-	-	15000.00
8	Provision for cutting of roads & making good to its in original condition	LS	-	-	30000.00
(C.O. to abstract of cost of Sub-work No.I)				Total	1071250.00
					10.71 Lacs
Say					11.00 Lacs

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S. No.	Description	Unit	Qty	Rate	Amount (Rs.)
Sub Work I					Water Supply
Sub Head No. V					Fire Scheme
S. No.	Description	Unit	Qty	Rate	Amount (Rs.)
1	Providing, laying, jointing & testing M.S. pipes for fire ring main including cost of Fittings, Valves & excavation complete (as per ISI marked) in all respect.				
a)	150 mm dia	M	30	2250.00	67500.00
b)	100 mm dia	M	0	1650.00	0.00
c)	80 mm dia	M	0	1250.00	0.00
2	Providing and fixing External/Drawout Fire Hydrants complete with hose box, and accessories.	Nos.	2	23500.00	47000.00
3	Providing & fixing sluice valve.				
a)	150 mm dia	Nos.	2	15000.00	30000.00
b)	100 mm dia	Nos.	0	12000.00	0.00
c)	80 mm dia	Nos.	0	10000.00	0.00
4	Providing, fixing & Testing Non Return valves (NRV) including cost of complete in all respects.				
i)	100 mm i/d	Nos.	0	8000.00	0.00
5	Provision for cutting of roads and carriage of materials etc. and other unforeseen charges	LS	-	-	40000.00
6	Provision for indication plates	Nos.	2	1000.00	2000.00
7	Provision for carriage of material	LS	-	-	50000.00
(C.O. to abstract of cost of Sub-work No.I)				Total	236500.00
				Say	2.00 Lacs

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S. No.	Description	Unit	Qty	Rate	Amount (Rs.)
Sub Work II		Sewerage Scheme			
S. No.	Description	Unit	Qty	Rate	Amount (Rs.)
1	Providing, lowering, jointing, cutting RCC NP2 pipes and specials into trenches including cost of excavation, bed concrete lot of manholes complete.				
i)	200 mm i/d				
a)	Average depth 0.0 m to 1.5 m	M	533	650.00	346450.00
a)	Average depth 1.5 m to 4.5 m	M	0	1000.00	0.00
b)	Average depth 4.5 m to 6.0 m	M	0	1200.00	0.00
i)	250 mm i/d				
a)	Average depth 0.0 m to 1.5 m	M	423	800.00	338400.00
a)	Average depth 1.5 m to 4.5 m	M	57	1100.00	62700.00
b)	Average depth 4.5 m to 6.0 m	M	0	1400.00	0.00
ii)	300 mm i/d				
a)	Average depth 1.5 m to 4.5 m	M	0	1400.00	0.00
b)	Average depth 4.5 m to 6.0 m	M	0	1600.00	0.00
2	Provision for lighting, watching and temporary diversion of traffic	LS	-	-	75000.00
3	Provision for cutting of roads and carriage of materials etc. and other unforeseen charges	LS	-	-	50000.00
4	Provision for connection with HUDA	LS	-	-	200000.00
5	Cost of 480 Kld Sewerage Treatment Plant	LS	-	-	2880000.00
6	Provision for CI / DI pipe 150 mm dia pipe from STP. To Huda Main Line.	LS	-	-	500000.00
Total					4452550.00
Add 3% contingencies					133576.5
					4586126.50
Add 49% Deptt. Charges					2247201.985
Total					6833328.49
					68.33 Lacs
Say					68.00 Lacs

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S. No.	Description	Unit	Qty	Rate	Amount (Rs.)
Sub Work - III				Storm Water Drain	
S. No.	Description	Unit	Qty	Rate	Amount (Rs.)
1	Providing, lowering, jointing, cutting RCC NP2 pipes and specials into trenches including cost of excavation cost of manholes, ventilating chambers etc. complete in all respects.				
i) 400 mm i/d					
a)	Average depth upto 1.5 m	M	526	1350.00	710100.00
b)	Average depth 1.5 m to 4.5 m	M	0	2000.00	0.00
ii) 450 mm i/d					
a)	Average depth upto 1.5 m	M	470	1500.00	705000.00
b)	Average depth 1.5 m to 4.5 m	M	0	2150.00	0.00
ii) 500 mm i/d					
a)	Average depth upto 1.5 m	M	60	2400.00	144000.00
b)	Average depth 1.5 m to 4.5 m	M	0	2800.00	0.00
2	Provision for Road Gully & Drain	LS	-	-	500000.00
3	Provision for cutting of roads and carriage of materials etc. and other unforeseen items	LS	-	-	150000.00
4	Provision for disposal arrangements Recharge Pit .	Nos	10	200000.00	2000000.00
5	Provision for lighting, watching and temporary diversion of traffic	LS	-	-	200000.00
6	Provision for connection with HUDA	LS	-	-	75000.00
				Total	4484100.00
	Add 3% contingencies				134523.00
					4618623.00
	Add 49% Deptt. Charges				2263125.27
				Total	6881748.27
					68.82 Lacs
				SAY	69.00 Lacs

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S. No.	Description	Unit	Qty	Rate	Amount (Rs.)
Sub Work IV				Road Work	
S. No.	Description	Unit	Qty	Rate	Amount (Rs.)
1	Provision for leveling & earth filling as per site condition 9.37 acre @ 75000/acre	Acres	9.370	75000	702750.00
2	Construction of road by:- i) soling coat 100 mm thick (63-45) mm gauge compacted to 75 mm thick WBM conforming to MOT specification (table 400-6, grading no 2) 1763.885 sqm.X0.10 m - 176.388 cum say 177 cum @ 950/ cum	Cu. mtr.	177.0	750	132750.00
	ii) Wearing coat (top coat) 100 mm thick (53-22.4)mm gauge compacted to 75mm thick conforming to MOT specifications (table 400-6, grading no 3) 1763.885 sqm.X0.10 m - 176.388 cum say 177 cum @ 950/ cum	Cu. mtr.	177.0	750	132750.00
	iii) 25mm thick pre-mix carpet with seal coat 1763.885 sqm. say 1764 sqm @ 265/ sqm	Sq. mtr.	1764.0	265	467460.00
3	Provision for making approach and pavement to building block by providing concrete pavement or tiles. Etc. 4629.616 sqm. Say 4630 sqm @ 500 / sqm.	Sq. mtr.	4630.0	250	1157500.00
4	Provision for parking arrangement 20010 sqm.@ 500/sqm	Sq. mtr.	20210	250	5052500.00
5	Provision for Carriage of material	LS.		100000.00	100000.00
6	Provision for traffic lighting and guide map/ indicators	LS.		100000.00	100000.00
			Total		7845710.00
	Add 3% contingencies				235371.30
					8081081.30
					80.81 Lacs
	Add 49 % department charges				39.60 Lacs
			Total		120.41 Lacs
			SAY		120.00 Lacs

For DIVERSE DEVELOPERS L.L.

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S. No.	Description	Unit	Qty	Rate	Amount (Rs.)
Sub Work V					Street Lighting
S. No.	Description	Unit	Qty	Rate	Amount (Rs.)
1	Supply, installation, testing and commissioning of Street Lighting GI Poles, Light Fixtures, Feeder Pillars, Cables & Wires including cable end terminations and Earthing Station etc. for Street Lighting	per acre	9.370	75000.00	702750.00
	Add 3% contingencies				21082.50
	Total				723832.50
	Add 49% Deptt. Charges				354677.925
			Total		1078510.00
					10.79 Lacs
			SAY		11.00 Lacs
Sub Work VI					Horticulture
S. No.	Description	Unit	Qty	Rate	Amount (Rs.)
1	Development of lawn area				
	a) Trenching the ordinary soil upto depth of 60 cm. Including removal & packing of serviceable material & disposing at a lead of 50 M and making up the trenched area to proper level by filling with earth mixed with manure before & after flooding trench with				
	b) Rough dressing of trenched area.				
	c) Grassing including watering & maintenance of lawns free from weeds & fit for mowing in rows including hedges, shrubs & green belts (as per HUDA Norms)				
	9.37 acres @ Rs. 0.90 lacs.				8,43,300
	360 trees @ Rs. 750/- each				2,70,000
					1113300.00
	Add 3% contingency charges				33399.00
				Total	1146699.00
	Add 49% Deptt. Charges				561882.51
				Total	1708581.51
					17.09 Lacs
			say		17.00 Lacs

For DIVERSE DEVELOPERS Ltd.

Authorised Signatory



VIMAL BAJAJ
 Architect CA/96/19791
 938, Sector-14, Gurgaon

S. No.	Description	Unit	Qty	Rate	Amount (Rs.)
Sub Work VII					Maintenance Charges & Resurfacing of Roads
S. No.	Description	Unit	Qty	Rate	Amount (Rs.)
1	Provision for maintenance charges for water supply, sewerage, storm water drain, roads, street light, horticulture etc. complete including operation & establishments charges as per HUDA norms after completion & resurfacing of roads after 10 years or 1s				
	9.37 acres @ 5 lacs per acre				4685000
2	Provision for resurfacing & strengthening of road after five years of 1st phase @ 250/- per sqm	Sq. mtr.	6400	175	1120000.00
3	Provision for resurfacing & strengthening of road after ten years of 2 nd phase @ 125/- per sqm	Sq. mtr.	6400	125	800000.00
					6605000
	Add 3% contingency & PE charges				198150
				Total	6803150
	Add 49% Departmental charges				3333543.5
				Total	10136693.5
					101.37 Lacs
				say	101.00 Lacs

For DIVERSE DEVELOPERS LL

Authorised Signatory



VIMAL BAJAJ
Architect CA/96/19791
938, Sector-14, Gurgaon

PROJECT : AFFORDABLE RESIDENTIAL PLOTTED COLONY HAYATPUR , SECTOR 93 , GURUGRAM (HARYANA)
TITLE - SEWERAGE QUANTITY SHEET

S.No.	Line No		Length (mtr.)	Dia of Pipe (mm) (mtr.)		Slope	Depth			Excavation Depth (cum.)	EXCAVATION			
	From	To					Start	End	Avg.		0.0 - 1.5	1.5 - 3.0	3.0 - 4.5	4.5 - 6.0
	start						(mtr.)	(mtr.)	(mtr.)		(mtr.)	(mtr.)	(mtr.)	(mtr.)
1	SW 1	SW 2	16.0	200	0.200	200	0.60	0.68	0.64	9.02	16.0	0.0	0.0	0.0
2	SW 2	SW 3	16.0	200	0.200	200	0.68	0.76	0.72	9.79	16.0	0.0	0.0	0.0
3	SW 3	SW 4	16.0	200	0.200	200	0.76	0.84	0.80	10.56	16.0	0.0	0.0	0.0
4	SW 4	SW 5	16.0	200	0.200	200	0.84	0.92	0.88	11.33	16.0	0.0	0.0	0.0
5	SW 5	SW 6	16.0	200	0.200	200	0.92	1.00	0.96	12.10	16.0	0.0	0.0	0.0
6	SW 6	SW 7	15.5	200	0.200	200	1.00	1.08	1.04	12.45	15.5	0.0	0.0	0.0
7	SW 7	SW 8	9.0	250	0.250	250	1.08	1.11	1.10	8.16	9.0	0.0	0.0	0.0
8	SW 8	SW 9	20.1	250	0.250	250	1.11	1.19	1.15	18.99	20.1	0.0	0.0	0.0
9	SW 9	SW 10	16.5	250	0.250	250	1.19	1.26	1.23	16.38	16.5	0.0	0.0	0.0
10	SW 10	SW 11	16.0	250	0.250	250	1.26	1.32	1.29	16.56	16.0	0.0	0.0	0.0
11	SW 11	SW 12	16.0	250	0.250	250	1.32	1.39	1.36	17.22	16.0	0.0	0.0	0.0
12	SW 12	SW 13	14.0	250	0.250	250	1.39	1.44	1.42	15.61	14.0	0.0	0.0	0.0
13	SW 13	SW 14	10.9	250	0.250	250	1.44	1.49	1.47	12.51	10.9	0.0	0.0	0.0
14	SW 14	SW 15	15.0	250	0.250	250	1.49	1.55	1.52	17.72	0.0	15.0	0.0	0.0
15	SW 15	SW 40	22.0	250	0.250	250	1.55	1.64	1.59	27.05	0.0	22.0	0.0	0.0
	start													
16	SW 16	SW 17	15.5	200	0.200	200	0.60	0.68	0.64	8.73	15.5	0.0	0.0	0.0
17	SW 17	SW 18	13.5	200	0.200	200	0.68	0.75	0.71	8.19	13.5	0.0	0.0	0.0
18	SW 18	SW 19	7.3	200	0.200	200	0.75	0.78	0.76	4.66	7.3	0.0	0.0	0.0
19	SW 19	SW 20	16.1	200	0.200	200	0.78	0.86	0.82	10.84	16.1	0.0	0.0	0.0
20	SW 20	SW 21	16.0	250	0.250	250	0.86	0.93	0.89	12.42	16.0	0.0	0.0	0.0
21	SW 21	SW 22	16.0	250	0.250	250	0.93	0.99	0.96	13.08	16.0	0.0	0.0	0.0
22	SW 22	SW 23	16.7	250	0.250	250	0.99	1.06	1.02	14.37	16.7	0.0	0.0	0.0
23	SW 23	SW 27	8.9	250	0.250	250	1.06	1.09	1.07	7.95	8.9	0.0	0.0	0.0
	start													
24	SW-24a	SW 24	10.9	200	0.200	200	0.60	0.65	0.63	6.06	10.9	0.0	0.0	0.0
25	SW 24	SW 25	16.0	200	0.200	200	0.65	0.73	0.69	9.55	16.0	0.0	0.0	0.0
26	SW 25	SW 26	16.0	200	0.200	200	0.73	0.81	0.77	10.32	16.0	0.0	0.0	0.0
27	SW 26	SW 27	19.6	200	0.200	200	0.81	0.91	0.86	13.68	19.6	0.0	0.0	0.0
28	SW 27	SW 28	21.0	250	0.250	250	1.09	1.18	1.13	19.58	21.0	0.0	0.0	0.0
29	SW 28	SW 29	10.4	250	0.250	250	1.18	1.22	1.20	10.12	10.4	0.0	0.0	0.0
30	SW 29	SW 38	13.4	250	0.250	250	1.22	1.27	1.24	13.46	13.4	0.0	0.0	0.0
	start													
31	SW 30	SW 31	15.8	200	0.200	200	0.60	0.68	0.64	8.91	15.8	0.0	0.0	0.0
32	SW 31	SW 32	15.9	200	0.200	200	0.68	0.76	0.72	9.72	15.9	0.0	0.0	0.0
33	SW 32	SW 33	10.6	200	0.200	200	0.76	0.81	0.79	6.90	10.6	0.0	0.0	0.0
34	SW 33	SW 34	16.5	200	0.200	200	0.81	0.89	0.85	11.41	16.5	0.0	0.0	0.0
35	SW 34	SW 35	16.3	200	0.200	200	0.89	0.98	0.93	12.08	16.3	0.0	0.0	0.0
36	SW 35	SW 36	15.8	250	0.250	250	0.98	1.04	1.01	13.42	15.8	0.0	0.0	0.0
37	SW 36	SW 37	16.5	250	0.250	250	1.04	1.10	1.07	14.71	16.5	0.0	0.0	0.0
38	SW 37	SW 38	11.7	250	0.250	250	1.10	1.15	1.13	10.86	11.7	0.0	0.0	0.0

S.No.	Line No.		Length (mtr.)	Dia of Pipe (mm) (mtr.)		Slope	Depth			Excavation Depth (cum.)	EXCAVATION			
	From	To					Start (mtr.)	End (mtr.)	Avg. (mtr.)		0.0 - 1.5 (mtr.)	1.5 - 3.0 (mtr.)	3.0 - 4.5 (mtr.)	4.5 - 6.0 (mtr.)
39	SW 38	SW 39	24.0	250	0.250	250	1.27	1.37	1.32	25.27	24.0	0.0	0.0	0.0
40	SW 39	SW 40	10.0	250	0.250	250	1.37	1.41	1.39	10.97	10.0	0.0	0.0	0.0
41	SW 40	SW 67	15.0	250	0.250	250	1.64	1.70	1.67	19.16	0.0	15.0	0.0	0.0
	start													
42	SW 41	SW 42	16.8	200	0.200	200	0.60	0.68	0.64	9.50	16.8	0.0	0.0	0.0
43	SW 42	SW 43	14.0	200	0.200	200	0.68	0.75	0.72	8.56	14.0	0.0	0.0	0.0
44	SW 43	SW 44	16.2	200	0.200	200	0.75	0.84	0.79	10.64	16.2	0.0	0.0	0.0
45	SW 44	SW 45	16.0	200	0.200	200	0.84	0.92	0.88	11.28	16.0	0.0	0.0	0.0
46	SW 45	SW 46	16.0	200	0.200	200	0.92	1.00	0.96	12.05	16.0	0.0	0.0	0.0
47	SW 46	SW 47	9.1	250	0.250	250	1.00	1.03	1.01	7.77	9.1	0.0	0.0	0.0
48	SW 47	SW 55	12.5	250	0.250	250	1.03	1.08	1.06	11.02	12.5	0.0	0.0	0.0
	start													
49	SW 48	SW 49	13.9	200	0.200	200	0.60	0.67	0.63	7.80	13.9	0.0	0.0	0.0
50	SW 49	SW 50	13.6	200	0.200	200	0.67	0.74	0.70	8.19	13.6	0.0	0.0	0.0
51	SW 50	SW 51	13.6	200	0.200	200	0.74	0.81	0.77	8.74	13.6	0.0	0.0	0.0
52	SW 51	SW 52	13.6	200	0.200	200	0.81	0.87	0.84	9.30	13.6	0.0	0.0	0.0
53	SW 52	SW 53	9.0	250	0.250	250	0.87	0.91	0.89	6.97	9.0	0.0	0.0	0.0
54	SW 53	SW 54	19.6	250	0.250	250	0.91	0.99	0.95	15.91	19.6	0.0	0.0	0.0
55	SW 54	SW 55	13.3	250	0.250	250	0.99	1.04	1.01	11.36	13.3	0.0	0.0	0.0
56	SW 55	SW 56	18.9	250	0.250	250	1.08	1.16	1.12	17.43	18.9	0.0	0.0	0.0
57	SW 56	SW 57	16.0	250	0.250	250	1.16	1.22	1.19	15.49	16.0	0.0	0.0	0.0
58	SW 57	SW 65	15.8	250	0.250	250	1.22	1.28	1.25	15.95	15.8	0.0	0.0	0.0
	start													
57	SW 58	SW 59	20.5	200	0.200	200	0.60	0.70	0.65	11.70	20.5	0.0	0.0	0.0
58	SW 59	SW 60	12.7	200	0.200	200	0.70	0.77	0.73	7.88	12.7	0.0	0.0	0.0
59	SW 60	SW 61	16.0	200	0.200	200	0.77	0.85	0.81	10.62	16.0	0.0	0.0	0.0
60	SW 61	SW 62	16.0	200	0.200	200	0.85	0.93	0.89	11.39	16.0	0.0	0.0	0.0
61	SW 62	SW 63	16.0	200	0.200	200	0.93	1.01	0.97	12.15	16.0	0.0	0.0	0.0
62	SW 63	SW 64	16.2	200	0.200	200	1.01	1.09	1.05	13.09	16.2	0.0	0.0	0.0
63	SW 64	SW 65	15.8	200	0.200	200	1.09	1.17	1.13	13.52	15.8	0.0	0.0	0.0
64	SW 65	SW 66	10.0	250	0.250	250	1.28	1.32	1.30	10.43	10.0	0.0	0.0	0.0
65	SW 66	SW 67	15.5	250	0.250	250	1.32	1.39	1.36	16.68	15.5	0.0	0.0	0.0
66	SW 67	STP	5.0	250	0.250	250	1.70	1.72	1.71	6.52	0.0	5.0	0.0	0.0

Pipe in excavation depth

	(0.0 - 1.5)	(1.5 - 3.0)	(3.0 - 4.5)	(4.5 - 6.0)
200 mm Dia pipe	533.0	0.0	0.0	0.0
250 mm Dia pipe	423.0	57.0	0.0	0.0
300 mm Dia pipe	0.0	0.0	0.0	0.0

Pipe Qty

Dia	Qty
200 mm Dia pipe	533.0


VIMAL BAJAJ
 Architect CA/96/19791
 938, Sector-14, Gurgaon



S.No.	Line No.		Length	Dia of Pipe		Slope	Depth			Excavation Depth	EXCAVATION			
	Start	End		Avg.	0.0 - 1.5		1.5 - 3.0	3.0 - 4.5	4.5 - 6.0					
	From	To	(mtr.)	(mm)	(mtr.)		(mtr.)	(mtr.)	(mtr.)	(cum.)	(mtr.)	(mtr.)	(mtr.)	(mtr.)
250 mm Dia pipe			480.0											
300 mm Dia pipe			0.0											

For DIVERSE DEVELOPERS LL

 Authorised Signatory




VIMAL BAJAJ
 Architect CA/96/19791
 938, Sector-14, Gurgaon

PROJECT : AFFORDABLE RESIDENTIAL PLOTTED COLONY HAYATPUR , SECTOR 93 , GURUGRAM (HARYANA)
TITLE - STORM QUANTITY SHEET

S.No.	Line No.		Length (mtr.)	Dia of Pipe (mm) (mtr.)		Slope	Depth			Excavation Depth (cum.)	EXCAVATION			
	From	To					Start (mtr.)	End (mtr.)	Avg. (mtr.)		0.0 - 1.5 (mtr.)	1.5 - 3.0 (mtr.)	3.0 - 4.5 (mtr.)	4.5 - 6.0 (mtr.)
	start													
1	ST 1	ST 2	17.0	400	0.400	450	0.90	0.94	0.92	16.58	17.0	0.0	0.0	0.0
2	ST 2	ST 3	16.0	400	0.400	450	0.94	0.97	0.96	16.07	16.0	0.0	0.0	0.0
3	ST 3	ST 4	15.8	400	0.400	450	0.97	1.01	0.99	16.32	15.8	0.0	0.0	0.0
4	ST 4	ST 5	15.8	400	0.400	450	1.01	1.04	1.03	16.76	15.8	0.0	0.0	0.0
5	ST 5	ST 6	16.0	400	0.400	450	1.04	1.08	1.06	17.43	16.0	0.0	0.0	0.0
6	ST 6	ST 7	15.1	400	0.400	450	1.08	1.11	1.10	16.86	15.1	0.0	0.0	0.0
7	ST 7	RWH-1	2.0	400	0.400	450	1.11	1.12	1.11	2.26	2.0	0.0	0.0	0.0
8	RWH-1	ST 8	13.0	450	0.450	500	1.00	1.03	1.01	14.51	13.0	0.0	0.0	0.0
9	ST 8	ST 9	17.4	450	0.450	500	1.03	1.06	1.04	19.87	17.4	0.0	0.0	0.0
10	ST 9	ST 10	16.1	450	0.450	500	1.06	1.09	1.08	18.84	16.1	0.0	0.0	0.0
11	ST 10	ST 11	16.0	450	0.450	500	1.09	1.13	1.11	19.16	16.0	0.0	0.0	0.0
12	ST 11	ST 12	16.6	450	0.450	500	1.13	1.16	1.14	20.34	16.6	0.0	0.0	0.0
13	ST 12	ST 13	15.0	450	0.450	500	1.16	1.19	1.17	18.78	15.0	0.0	0.0	0.0
14	ST 13	ST 14	16.2	450	0.450	500	1.19	1.22	1.20	20.72	16.2	0.0	0.0	0.0
15	ST 14	ST 15	16.6	450	0.450	500	1.22	1.25	1.24	21.69	16.6	0.0	0.0	0.0
16	ST 15	ST 16	15.7	450	0.450	500	1.25	1.29	1.27	20.94	15.7	0.0	0.0	0.0
17	ST 16	ST 17	9.8	450	0.450	500	1.29	1.30	1.30	13.29	9.8	0.0	0.0	0.0
18	ST 17	RWH-2	9.8	450	0.450	500	1.30	1.32	1.31	13.45	9.8	0.0	0.0	0.0
19	RWH-2	ST 18	8.6	450	0.450	500	1.10	1.12	1.11	10.30	8.6	0.0	0.0	0.0
20	ST 18	ST 19	15.3	450	0.450	500	1.12	1.15	1.13	18.63	15.3	0.0	0.0	0.0
21	ST 19	ST 20	16.0	450	0.450	500	1.15	1.18	1.16	19.91	16.0	0.0	0.0	0.0
22	ST 20	ST 21	13.2	450	0.450	500	1.18	1.21	1.19	16.75	13.2	0.0	0.0	0.0
23	ST 21	ST 22	14.0	450	0.450	500	1.21	1.23	1.22	18.09	14.0	0.0	0.0	0.0
24	ST 22	ST 23	13.9	450	0.450	500	1.23	1.26	1.25	18.29	13.9	0.0	0.0	0.0
25	ST 23	RWH-3	13.9	450	0.450	500	1.26	1.29	1.28	18.62	13.9	0.0	0.0	0.0
26	RWH-3	ST 24	12.7	500	0.500	550	1.10	1.12	1.11	16.13	12.7	0.0	0.0	0.0
27	ST 24	ST 25	3.0	500	0.500	550	1.12	1.13	1.13	3.85	3.0	0.0	0.0	0.0
28	ST 25	ST 26	24.0	500	0.500	550	1.13	1.17	1.15	31.33	24.0	0.0	0.0	0.0
29	ST 26	ST 42	19.8	500	0.500	550	1.17	1.21	1.19	26.56	19.8	0.0	0.0	0.0
	START													
30	ST 27	ST 28	11.5	400	0.400	450	0.90	0.93	0.91	11.16	11.5	0.0	0.0	0.0
31	ST 28	ST 29	11.5	400	0.400	450	0.93	0.95	0.94	11.39	11.5	0.0	0.0	0.0
32	ST 29	ST 30	12.8	400	0.400	450	0.95	0.98	0.97	12.96	12.8	0.0	0.0	0.0
33	ST 30	ST 35	21.0	400	0.400	450	0.98	1.03	1.00	21.89	21.0	0.0	0.0	0.0
	START													
34	ST 31	ST 32	15.3	400	0.400	450	0.90	0.93	0.92	14.90	15.3	0.0	0.0	0.0
35	ST 32	ST 33	16.0	400	0.400	450	0.93	0.97	0.95	16.02	16.0	0.0	0.0	0.0

S.No.	Line No.		Length	Dia of Pipe		Slope	Depth			Excavation Depth	EXCAVATION			
							Start	End	Avg.		0.0 - 1.5	1.5 - 3.0	3.0 - 4.5	4.5 - 6.0
	From	To	(mtr.)	(mm)	(mtr.)		(mtr.)	(mtr.)	(mtr.)	(cum.)	(mtr.)	(mtr.)	(mtr.)	(mtr.)
36	ST 33	ST 34	16.0	400	0.400	450	0.97	1.01	0.99	16.48	16.0	0.0	0.0	0.0
37	ST 34	RWH-4	5.0	400	0.400	450	1.01	1.02	1.01	5.24	5.0	0.0	0.0	0.0
38	RWH-4	ST 35	10.2	400	0.400	450	0.90	0.92	0.91	9.88	10.2	0.0	0.0	0.0
39	ST 35	ST 36	18.0	400	0.400	450	0.92	0.96	0.94	17.89	18.0	0.0	0.0	0.0
40	ST 36	ST 37	16.3	400	0.400	450	0.96	1.00	0.98	16.70	16.3	0.0	0.0	0.0
41	ST 37	ST 38	16.0	400	0.400	450	1.00	1.03	1.02	16.85	16.0	0.0	0.0	0.0
42	ST 38	ST 39	14.5	400	0.400	450	1.03	1.07	1.05	15.67	14.5	0.0	0.0	0.0
43	ST 39	RWH-5	3.0	400	0.400	450	1.07	1.07	1.07	3.29	3.0	0.0	0.0	0.0
44	RWH-5	ST 40	7.9	450	0.450	500	1.00	1.02	1.01	8.78	7.9	0.0	0.0	0.0
45	ST 40	ST 41	18.3	450	0.450	500	1.02	1.05	1.03	20.75	18.3	0.0	0.0	0.0
46	ST 41	ST 42	19.5	450	0.450	500	1.05	1.09	1.07	22.74	19.5	0.0	0.0	0.0
47	ST 42	ST 43	27.8	450	0.450	500	1.21	1.26	1.24	36.30	27.8	0.0	0.0	0.0
48	ST 43	RWH-5	2.0	450	0.450	500	1.26	1.27	1.27	2.66	2.0	0.0	0.0	0.0
49	RWH-5	EXIT	10.0	450	0.450	500	0.95	0.97	0.96	10.71	10.0	0.0	0.0	0.0
	START													
50	ST 44	ST 45	15.5	400	0.400	450	0.90	0.93	0.92	15.09	15.5	0.0	0.0	0.0
51	ST 45	ST 46	16.0	400	0.400	450	0.93	0.97	0.95	16.03	16.0	0.0	0.0	0.0
52	ST 46	ST 47	16.0	400	0.400	450	0.97	1.01	0.99	16.48	16.0	0.0	0.0	0.0
53	ST 47	ST 48	16.0	400	0.400	450	1.01	1.04	1.02	16.94	16.0	0.0	0.0	0.0
54	ST 48	ST 49	22.4	400	0.400	450	1.04	1.09	1.07	24.48	22.4	0.0	0.0	0.0
55	ST 49	ST 50	25.0	400	0.400	450	1.09	1.15	1.12	28.37	25.0	0.0	0.0	0.0
56	ST 50	RWH-7	4.0	400	0.400	450	1.15	1.16	1.15	4.64	4.0	0.0	0.0	0.0
57	RWH-7	ST 51	10.0	400	0.400	450	0.95	0.97	0.96	10.09	10.0	0.0	0.0	0.0
58	ST 51	ST 52	15.0	400	0.400	450	0.97	1.01	0.99	15.47	15.0	0.0	0.0	0.0
59	ST 52	ST 60	18.7	450	0.450	500	1.01	1.04	1.02	21.05	18.7	0.0	0.0	0.0
	START													
60	ST 53	ST 54	15.8	400	0.400	450	0.90	0.94	0.92	15.39	15.8	0.0	0.0	0.0
61	ST 54	ST 55	14.3	400	0.400	450	0.94	0.97	0.95	14.31	14.3	0.0	0.0	0.0
62	ST 55	ST 56	14.0	400	0.400	450	0.97	1.00	0.98	14.36	14.0	0.0	0.0	0.0
63	ST 56	ST 57	14.1	400	0.400	450	1.00	1.03	1.01	14.82	14.1	0.0	0.0	0.0
64	ST 57	ST 58	21.8	400	0.400	450	1.03	1.08	1.05	23.61	21.8	0.0	0.0	0.0
65	ST 58	ST 59	18.6	400	0.400	450	1.08	1.12	1.10	20.81	18.6	0.0	0.0	0.0
66	ST 59	RWH-8	2.0	400	0.400	450	1.12	1.12	1.12	2.27	2.0	0.0	0.0	0.0
67	RWH-8	ST 60	12.3	450	0.450	500	0.95	0.97	0.96	13.20	12.3	0.0	0.0	0.0
68	ST 60	ST 61	10.0	450	0.450	500	1.04	1.06	1.05	11.50	10.0	0.0	0.0	0.0
69	ST 61	ST 62	15.0	450	0.450	500	1.06	1.09	1.08	17.57	15.0	0.0	0.0	0.0
70	ST 62	RWH-9	5.0	450	0.450	500	1.09	1.10	1.10	5.94	5.0	0.0	0.0	0.0
71	RWH-9	ST 63	5.0	450	0.450	500	0.95	0.96	0.96	5.33	5.0	0.0	0.0	0.0
72	ST 63	ST 64	23.0	450	0.450	500	0.96	1.01	0.98	25.08	23.0	0.0	0.0	0.0

S.No.	Line No.		Length	Dia of Pipe		Slope	Depth			Excavation Depth	EXCAVATION			
							Start	End	Avg.		0.0 - 1.5	1.5 - 3.0	3.0 - 4.5	4.5 - 6.0
	From	To	(mtr.)	(mm)	(mtr.)		(mtr.)	(mtr.)	(mtr.)	(cum.)	(mtr.)	(mtr.)	(mtr.)	(mtr.)
73	ST 64	ST 65	23.0	450	0.450	500	1.01	1.05	1.03	25.98	23.0	0.0	0.0	0.0
74	ST 65	RWH-10	4.6	450	0.450	500	1.05	1.06	1.06	5.30	4.6	0.0	0.0	0.0
75	RWH-10	EXIT	10.0	450	0.450	500	0.95	0.97	0.96	10.71	10.0	0.0	0.0	0.0
Total			1054.0							1190.0	1054.0	0.0	0.0	0.0

Pipe in excavation depth					
	(0.0 - 1.5)	(1.5 - 3.0)	(3.0 - 4.5)		(4.5 - 6.0)
400 mm Dia pipe	526.0	0.0	0.0		0.0
450 mm Dia pipe	470.0	0.0	0.0		0.0
500 mm Dia pipe	60.0	0.0	0.0		0.0



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 Architect CA/96/19791
 938, Sector-14, Gurgaon

For DIVERSE DEVELOPERS LL.


 Authorised Signatory

Area statement for METTALIC ROAD

S.no.	Discription	Type	Number	Dimension			Calculation	Result	UNIT
				Length	Height	Breadth			
Addition									
41	M41	Rectangle	1	105.279		6.000	Length X breadth	631.674	SQ.MT
42	M42	Rectangle	1	28.006		5.700	Length X breadth	159.634	SQ.MT
43	M43	Rectangle	1	44.223		6.000	Length X breadth	265.338	SQ.MT
44	M44	Rectangle	1	15.512		4.571	Length X breadth	70.905	SQ.MT
45	M45	Rectangle	1	6.000		34.096	Length X breadth	204.576	SQ.MT
46	M46	Rectangle	1	12.300		6.000	Length X breadth	73.800	SQ.MT
47	M47	Rectangle	1	32.934		6.000	Length X breadth	197.604	SQ.MT
Total Addition =								1603.532	SQ.MT
ADD 10 % FOR CURVED ROAD								160.353	SQ.MT
Total Mettalic Road Area (A1)=								1763.885	SQ.MT

Area statement for HARD PAVED ROAD

S.no.	Discription	Type	Number	Dimension			Calculation	Result	UNIT
				Length		Breadth			
Addition									
31	H31	Rectangle	1	6.000		12.410	Length X breadth	74.460	SQ.MT
32	H32	Rectangle	1	6.000		59.388	Length X breadth	356.328	SQ.MT
33	H33	Rectangle	1	6.000		28.700	Length X breadth	172.200	SQ.MT
34	H34	Rectangle	1	6.000		18.915	Length X breadth	113.490	SQ.MT
35	H35	Rectangle	1	6.000		7.930	Length X breadth	47.580	SQ.MT
36	H36	Rectangle	1	6.000		117.316	Length X breadth	703.896	SQ.MT
37	H37	Rectangle	1	6.000		20.632	Length X breadth	123.792	SQ.MT
38	H38	Rectangle	1	6.000		96.407	Length X breadth	578.442	SQ.MT
39	H39	Rectangle	1	6.000		28.093	Length X breadth	168.558	SQ.MT
40	H40	Rectangle	1	6.000		115.778	Length X breadth	694.668	SQ.MT
41	H41	Rectangle	1	6.000		51.727	Length X breadth	310.362	SQ.MT
42	H42	Rectangle	1	6.000		46.759	Length X breadth	280.554	SQ.MT
43	H43	Rectangle	1	6.000		5.640	Length X breadth	33.840	SQ.MT
44	H44	Rectangle	1	6.000		63.310	Length X breadth	379.860	SQ.MT
45	H45	Rectangle	1	6.000		9.270	Length X breadth	55.620	SQ.MT
46	H46	Rectangle	1	6.000		19.182	Length X breadth	115.092	SQ.MT
Total Addition =								4208.742	SQ.MT
ADD 10 % FOR CURVED ROAD								420.874	SQ.MT
Total Mettalic Road Area (B1)=								4629.616	SQ.MT

For DIVERSE DEVELOPERS LLP

Authorised Signatory



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