PROJECT REPORT / ESTIMATES FOR PROVIDING INTERNAL SERVICES e.g. WATER SUPPLY, FIRE, SEWERAGE & STORM WATER DRAINAGE ETC. IN RESPECT OF GROUP HOUSING PROJECT N SECTOR-93 GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY PEGASUS LAND AND HOUSING PVT. LTD.

Sohna (Gurgram) is located at 28°28′N 77°02′E28.47°N 77.03°E/28.47; 77.03. It has an average elevation of 220 metres (721 ft) Gurgram district, comprising four blocks Pataudi, Sohna, Gurgram and Farrukhnagar, was created on 15 August, 1979.On its north,

GROUP HOUSING is a residential proposed at Sector 93, at Gurgram for development by **M/S PEGASUS LAND AND HOUSING PVT. LTD.**

Water Supply

The source of water supply shall be HUDA water supply connection. It has been proposed to construct undergorund tanks of capacity as per attached detaileds 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 NP_2 pipe drain with minimum 400 mm dia is proposed

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	**Specifications :**					
	The work will be carried out in accordance with the standard specifications of PH as laid down by the HUDA/Haryana Government.					
9	**Rates**					
	Estimates for providing services in this site has been prepared on the recent market rates.					
10	**Cost**					
	The total cost of development in this Project including various PH & B & R services works out to **Rs. 353 lacs** which includes 3% contingency and PE charges and 49% departmental charges also.					
	The cost per gross acre for this works out to **Rs. 70.123 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 PEGASUS LAND AND HOUSING PVT. LTD.					
	Authorised Signatory					

GROUP HOUSING AT SECTOR-93, GURUGRAM (HARYANA)

1	**DESIGN CALCULATION**					
i)	**Daily Domestic Water Requirement**					
a)	**Residential (D.U)**			726		
	Population @ 5 person per unit - DU			5		
	Therefore population (DU)			3630	persons	
	Population (Maintenance & Security Personnel)			25	persons	
	Total Population			3655	persons	
			SAY	**3655**	**persons**	
	Water requirement		@	135	liter / head / day	
				493425.00	lpd	
			or	**493.00**	**KLD____(a)**	
b)	Anganwadi	1	@	25000	lit/day	
	Therefore daily water requirement			25000	lit/day	
				25	KLD ____ (b)	
c)	No. of Community Building	1				
	Daily water requirement lumpsum		@	25000	lit/acre	
	Therefore daily water requirement			25000	lit/day	
				25	KLD ____ (c)	
d)	No. of Convenient Shopping	1				
	Daily water requirement lumpsum		@	25000	lit/acre	
	Therefore daily water requirement			25000	lit/day	
				25.00	KLD ____ (d)	
ii)	**Total Daily Water Requirement for (a+b+c+d)**			**568.00**	**KLD**	
a)	Domestic Water Requirement @	70%		397.60	KLD	
			Say	**400.00**	**KLD**	
b)	Flushing Water Requirement @	30%		170.40	KLD	
			Say	**170.00**	**KLD**	
iii)	**Water usage from STP**					
a)	Area under Parks	1.00	acre			
	Daily water requirement		@	25000	lit/acre/day	
				25000.00	lit/day	
				25.00	KLD	

b)	Area under Roads					
	Daily water requirement		Lumpsum	10000	lit/acre/day	
				10000	lit/day	
				10	KLD	
c)	Under Road+ Parks (a+b)		**Total**	35.00	KLD	
			Say	**35.00**	**KLD**	
iv)	**Total treated water requirement [ii (b) + iii (c)]**			**205.00**	KLD	
v)	**Total Daily Requirement [ii (a) + iv]**			**605.00**	**KLD**	
			SAY	**605.00**	**KLD**	
2	**Tubewell**					
	Assuming working hours of tubewells			14	hours	
	Assuming discharge/hour of each tubewell			18	KL/hours	
	Total fresh water demand			**400.00**	**KLD**	
	No. of tubewells required	400.00	/18/10	1.59		
	Add 10% standby			0.16		
			Total	1.75		
			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 = 18000x77x1/60x60x75x0.6		=	9.11	BHP	
	With 60% efficiency	Say		10.0	BHP	
4	**Underground Tank**					
	Daily fresh water requirement for domestic use			=	400.00	KL
	Capacity of under ground tank					
	36 hours storage	400.00	x 36 / 24	=	600.00	KL
			Say	=	600.00	KL
	Fire Tank Capacity Proposed As / IS Code 15105 & NBC 2016 (as no. of hydrants are more than 100)		**Say**	**=**	**210.00**	**KL**
			Total		**810**	**KL**
	It is proposed to provide under ground tank of capacity **810 KL** which also includes **210 KL** capacity for fire fighting.					
	This tank will have five compartments, two for fire, one for raw and the other two for domestic use. The water first enters the fire compartment, then over flows to the raw use compartment so that the water in the fire compartment shall remain fresh.					
	FIRE WATER TANK				**210.00**	**KL**
	TOTAL UG STORAGE (DOMESTIC + FLUSHING + HORTICULTURE)				**810.00**	**KL**
	RAW WATER TANK				**200.00**	**KL**
	DOMESTIC WATER TANK				**400.00**	**KL**
	FLUSHING, HORTICULTURE & ROAD WASHING (PART OF STP)				**210.00**	**KL**

5	**DOMESTIC WATER PUMPS - LOCATED IN PUMP ROOM**					
a.)	**RAW WATER FILTER FEED PUMP**					
	Daily requirement for domestic use			=	400.00	KL
	Assuming 12 hours running 1 pumps (with one standby)					
	Discharge/hour	400.00	/12 / 1	=	33.33	KL/HR
	Head of pump					
	i) Suction lifts			=	0.0	m
	ii) Friction loss in M<main & specials			=	0.0	m
	iii) Clear head			=	35.0	m
				=	35.0	m
	BHP of motor	33.33	x1000x35/4500x60x0.60		7.2	HP
			SAY	**=**	**7.5**	**HP**
b.)	**Domestic Water Transfer Pumps**					
	Daily requirement for domestic use overhead tank filling (in two shifts)			=	200.00	KL
	Assuming 6 hours running 1 pumps (with one standby)					
	Discharge/hour	200.00	/ 6 / 1	=	33.33	KL/HR
	Head of pump					
	i) Suction lifts			=	0.0	m
	ii) Friction loss in M<main & specials			=	15.0	m
	iii) Clear head			=	45.0	m
	iv) Residual head			=	15.0	m
				=	75.0	m
	BHP of motor	33.33	x1000x55/4500x60x0.60		15.4	HP
			SAY	**=**	**20.0**	**HP**
6	**FLUSHING WATER PUMPS - LOCATED IN STP**					
a)	**LOCATED IN STP**					
	Daily requirement for flushing use (in two shifts)			=	85.00	KL
	Assuming 6 hours running 1 pumps (with one standby)					
	Discharge/hour	85.00	/ 6 / 1	=	14.17	KL/HR
	Head of pump					
	i) Suction lifts			=	0.0	m
	ii) Friction loss in M<main & specials			=	15.0	m
	iii) Clear head			=	45.0	m
	iv) Residual head			=	15.0	m
				=	75.0	m
	BHP of motor	14.17	x1000x55/4500x60x0.60		6.6	HP
			SAY	**=**	**7.5**	**HP**
7	**PUMPS FOR FIRE PROECTION**					
	Pump Description	**Location**	**Nos.**	**Discharge**	**Head**	**HP**
i)	**Diesel Pump**	Pump Room	**1**	**2280**	**95.00**	
ii)	**Hydrant Pump**	Pump Room	**1**	**2280**	**95.00**	**80**
iii)	**Jockey Pump**	Pump Room	**1**	**180**	**95.00**	**10**

8	**Capacity of Gen Set**	Nos.	HP			
a.)	Raw Water Transfer Pumps	1	7.5	=	7.5	HP
b.)	Domestic water transfer pumps	1	20.0	=	20	HP
d.)	Flushing water transfer pumps in STP	1	7.5	=	7.5	HP
e.)	Fire Pump **(Jockey)**	1	10.0	=	10	HP
f.)	Tubewell	2	10.0	=	20	HP
g.)	Lighting			=	25	HP
					90	HP
	or	90	x0.746x1.50		100.71	KVA
			Say		110	KVA
	Requirement of 120 KVA capacity will be added in to the main D.G. set to provide standby supply.					

Estimate for Providing in Internal Development works for Housing for

M/S PAGASUS LAND AND HOUSING PVT. LTD. At Gurgoan (Haryana)

Description	**Amount (Lacs.)**
Sub Work - I Water Supply	**176.20**
Sub Work - II Sewerage	**69.75**
Sub Work - III Storm Water Drainage	**35.37**
Sub Work - IV Roads & Footpath	**41.44**
Sub Work - V Street Lighting	**7.69**
Sub Work - VI - Horticulture	**4.00**
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)	**19.13**
Total	**353.59**
Say	**353.59**

(RUPEES THREE CRORE FIFTY THREE LACS FIFTY NINE THOUSAND ONLY)

M/S PEGASUS LAND AND HOUSING PVT. LTD. Sector-93, Gurgoan (Haryana)

Authorized Signatory

SUMMARY OF SUB WORK - I (WATER SUPPLY)						
					Amount (Lacs.)	
	Sub Head - (I) Head Works				33.55	
	Sub Head - (II) Pumping Machinery				27.05	
	Sub Head - (III) Distribution System				31.50	
	Sub Head - (IV) Irrigation Scheme				4.12	
	Sub Head - (V) Fire Scheme				18.60	
	Total				**114.81**	
	Add 3% Contingencies				3.44	
					118.25	
	Add 49% Departmental Charges				57.94	
			Total		176.20	
	(CO to final abstract of cost)			**Say**	**176.20**	

	Sub Work I				**Water Supply**	
	Sub Head No. I				**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.	1	200000.00	2.00	
2	Constructing pump chambers as per standard design of PWD PH/HUDA of size 1.50x1.50 m	Nos.	1	100000.00	1.00	
3	Construction of boosting chambers of suitable size along with under ground tank of capacity 810 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 810 KL capacity incl. 210 KL for fire fighting in two compartments @ 2800 / KL.				22.68	
4	Provision for carriage of material and other unforeseen items				1	
5	Provision for facilites staff for Maintenance				4.8	
	(C.O. to abstract of cost of Sub-work No.I)				**33.55**	**Lacs**
				Say	**33.55**	**Lacs**

	Sub Work I				**Water Supply**	
	Sub Head No. II				**Pumping Machinery**	
S. No.	**Description**	**Unit**	**Qty**	**Rate**	**Amount (Rs.)**	
					(in Lakhs)	
1 (i)	Providing & installing electricity driven pumping set capable of delivering 555 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	65000.00	1.30	
(ii)	Providing & installing electricity driven pumping set capable of delivering 555 LPM of water against a total head of 75 m complete with motor and other accessories (For Domestic -20 HP)	Nos.	2	120000.00	2.40	
(iii)	Providing & installing electricity driven pumping set capable of delivering 235 LPM of water against a total head of 75 m complete with motor and other accessories (For Flushing located in STP - 7.5 HP)	Nos.	2	90000.00	1.80	
2	Provision for diesel engine generator set each for standby Arrangements for booster pump complete with gear head arrangements of following capacities.					
	1 No. - 120 KVA	Nos.	1	960000.00	9.60	
3	Providing & installing pumping set of following capacities for fire protection:					
i)	180 LPM @ 95 M Head (10 HP)	Nos.	1	75000.00	0.75	
ii)	2280 LPM @ 95 M Head (80 HP) Hydrant	Nos.	1	180000.00	1.80	
iii)	2280 LPM @ 95 M Head (DG Pump)	Nos.	1	350000.00	3.50	
4	Provision for diesel engine genset stand bye arrangements for Tubewells	Nos.	1	100000.00	1.00	
5	Provision for cheap pressure type chlorination plant complete	Nos.	1	15000.00	0.15	
6	Provision for making foundations & erection of pumping machinery	LS			1.00	
7	Provision for pipes, valves & specials inside the pump chamber	LS			1.00	
8	Provision for electric services connection including electric fittings for tubewells chambers complete	LS			2.00	
9	Provision for carriage for materials and other unforeseen items	LS			0.75	
	(C.O. to abstract of cost of Sub-work No.I)				**27.05**	**Lacs**
				Say	**27.05**	**Lacs**

	Sub Work I				**Water Supply**	
	Sub Head No. III				**Distribution System/Rising Main**	
S. No.	**Description**	**Unit**	**Qty**	**Rate**	**Amount (Rs.)**	
1	Providing, laying, jointing & testing ASTM pipes including cost of excavation complete as per ISI marked.					
i)	25 mm dia	M	50	320.00	16000.00	
ii)	32 mm dia	M	150	400.00	60000.00	
iii)	40 mm dia	M	150	600.00	90000.00	
iv)	50 mm dia	M	150	765.00	114750.00	
v)	65 mm dia	M	250	850.00	212500.00	
vi)	80 mm dia	M	400	900.00	360000.00	
vii)	100 mm dia	M	1200	1200.00	1440000.00	
5	Providing and fixing indicating plates for sluice valve, air valve etc.	Nos.	5	10000.00	50000.00	
6	Provision for carriage of material	LS	-	-	100000.00	
7	Provision for cutting the roads and making to its original conditions.	LS	-	-	100000.00	
8	Making water supply connection.	LS	-	-	250000.00	
9	Provision for rising main from tubewells to UG Tank					
i)	100 mm i/d	M	300	1200.00	360000.00	
ii)	150 mm i/d	M	0	1350.00	0.00	
	(C.O. to abstract of cost of Sub-work No.I)				**3153250.00**	
				Say	**31.50**	**Lacs**

S. No.	Description	Unit	Qty	Rate	Amount (Rs.)	
	Sub Work I				**Water Supply**	
	Sub Head No. IV				**Irrigation**	
S. No.	**Description**	**Unit**	**Qty**	**Rate**	**Amount**	
1	Providing, laying, jointing & testing uPVC pipe line confirming to IS 4985 including cost of Excavation etc. complete in all respect.					
i)	25 mm dia	M	150	150.00	22500.00	
ii)	50 mm dia	M	200	175.00	35000.00	
ii)	80 mm dia	M	950	300.00	285000.00	
2	Providing and fixing 20mm dia Irrigation hydrant valve complete in all respect.	Nos.	40	500.00	20000.00	
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 unforsean 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**	**411500.00**	
					4.12	**Lacs**
				Say	**4.12**	**Lacs**

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	1000	850.00	850000.00	
b)	100 mm dia	M	350	700.00	245000.00	
c)	80 mm dia	M	250	750.00	187500.00	
2	Providing and fixing External Fire Hydrants complete with hose box, and accesories.	Nos.	20	15000.00	300000.00	
3	Providing & fixing sluice valve.					
a)	150 mm dia	Nos.	5	8000.00	40000.00	
b)	100 mm dia	Nos.	5	6000.00	30000.00	
c)	80 mm dia	Nos.	20	4500.00	90000.00	
4	Providing, fixing & Testing Non Return valves (NRV) including cost of complete in all respects.					
i)	100 mm i/d	Nos.	2	8000.00	16000.00	
5	Provision for cutting of roads and carriage of materials etc. and other unforsean charges	LS	-	-	40000.00	
6	Provision for indication plates	Nos.	10	1000.00	10000.00	
7	Provision for carriage of material	LS	-	-	50000.00	
	(C.O. to abstract of cost of Sub-work No.I)			**Total**	**1858500.00**	
				Say	**18.60**	**Lacs**

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	452	900.00	406800.00	
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	15	1100.00	16500.00	
a)	Average depth 1.5 m to 4.5 m	M	59	1300.00	76700.00	
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	95	1400.00	133000.00	
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	-	-	50000.00	
3	Provision for cutting of roads and carriage of materials etc. and other unforsean charges	LS	-	-	50000.00	
4	Provision for connection with HUDA	LS	-	-	162000.00	
5	Cost of 575 Kld Sewerage Treatment Plant	LS	-	-	3450000.00	
6	Provision for CI / DI pipe 150 mm dia pipe from STP. To Huda Main Line.	LS	-	-	200000.00	
				Total	**4545000.00**	
	Add 3% contingencies				136350	
					4681350.00	
	Add 49% Deptt. Charges				2293861.5	
				Total	**6975211.50**	
					69.75	**Lacs**
				Say	**69.75**	**Lacs**

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	764	1100.00	840400.00	
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	0	2100.00	0.00	
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	0	2400.00	0.00	
b)	Average depth 1.5 m to 4.5 m	M	0	2800.00	0.00	
2	Provision for Road Gully & Drain	LS	-	-	100000.00	
3	Provision for cutting of roads and carriage of materials etc. and other unforseen items	LS	-	-	100000.00	
4	Provision for disposal arrangements Recharge Pit .	Nos	5	200000.00	1000000.00	
5	Provision for lighting, watching and temporary diversion of traffic	LS	-	-	100000.00	
6	Provision for connection with HUDA	LS	-	-	164500.00	
				Total	**2304900.00**	
	Add 3% contingencies				69147.00	
					2374047.00	
	Add 49% Deptt. Charges				1163283.03	
				Total	**3537330.03**	
					35.37	**Lacs**
				SAY	**35.37**	**Lacs**

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 5.034 acre @ 125000/acre	Acres	5.034	75000	377550.00	
2	Construction of road by:- i) soling coat 100 mm thick (63-45) mm gauge compacted to 75 mm thick WBM conforming to MOTspecification (table 400-6,grading no 2) 1763.885 sqm.X0.10 m - 176.388 cum say 177 cum @ 950/ cum	Cu. mtr.	177.0	950	168150.00	
	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	950	168150.00	
	iii) 25mm thick pre-mix carpet with seal coat 1763.885 sqm. say 1764 sqm @ 265/ sqm	Sq. mtr.	1764.0	260	458640.00	
3	Provision for making approach and pavement to building block by providing concrete pavement or tiles. Etc. 4629.616 sqm. Say 4630 sqm @ 430 / sqm.	Sq. mtr.	4630.0	226	1044528.00	
4	Provision for parking arrangement 650 sqm.@ 425/sqm	Sq. mtr.	650	205	133250.00	
5	Provision for Carriage of material	LS.		150000.00	150000.00	
6	Provision for traffic lighting and guide map/ indicators	LS.		200000.00	200000.00	
			Total		**2700268.00**	
	Add 3% contingencies				81008.04	
					2781276.04	
					27.81	Lacs
	Add 49 % department charges				13.63	Lacs
			Total		**41.44**	**Lacs**
			SAY		**41.44**	**Lacs**

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	5.034	99500.00	**500883.00**	
	Add 3% contingencies				15026.49	
	Total				515909.49	
	Add 49% Deptt. Charges				252795.6501	
			Total		**768705.00**	
					7.69	**Lacs**
			SAY		**7.69**	**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 prope level by filling with earth mixed with manure befor & after flodding 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)					
	1.07 acres @ Rs. 1 lacs.				107,000	
	200 trees @ Rs. 750/- each				150,000	
					257000.00	
	Add 3% contingency charges				7710.00	
				Total	264710.00	
	Add 49% Deptt. Charges				129707.90	
				Total	**394417.90**	
					3.94	**Lacs**
				say	**4.00**	**Lacs**

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 draienage, roads, street light, horticulture etc. complete including operation & establishments charges as per HUDA norms after completion & resurfacing of roads after 10 years or 1s					
	5.034 acres @ 5 lacs per acre				503400	
2	Provision for resurfacing & strengthening of road after five years of Ist phase @ 250/- per sqm	Sq. mtr.	5100	80	408000.00	
3	Provision for resurfacing & strengthening of road after ten years of 2nd phase @ 125/- per sqm	Sq. mtr.	5100	65.75	335325.00	
					1246725	
	Add 3% contingency & PE charges				37401.75	
				Total	1284126.75	
	Add 49% Departmetal charges				629222.1075	
				Total	**1913348.858**	
					19.13	**Lacs**
				say	**19.13**	**Lacs**