

PROPOSED -COMMERCIALPLOTTED COLONY ON AN AREA MEASURING 2.20 ACRES FALLING IN VILLAGE HARSARU ,SECTOR-37D, GURGAON, HARYANA					
	Sub -Work No. 1 Head No. 01	Sub -		Source of Temporary arrangement (Bore well)	
S.NO	Description	Unit	Qty	Rate	Amount
1	Boring and installing 510 mm i/d borewell with reverse rotary rig complete with pipe and strainer to a depth of about 80 metre in all respect including cost of Valve chamber & pump chamber.	Each	1	700,000	700,000.00
2	Provision of construction of tube well chamber of standard size 4.90 X 4.25m	Each	1	225,000	225,000.00
3	Providing Submersible pumps for the following.				
(a)	Tubewell pumps				
(i)	335 LPM AT 100 m Head	Each	1	75,000	75,000.00
4	Providing and fixing Ball / Butterfly valve.				
4.1	100 mm dia.	Each	1	5,000	5,000.00
4.2	150 mm dia.	Each	1	6,500	6,500.00
5	UGT 48000 ltrs capacity compartments.	Ltrs	48000	5.00	240,000.00
6	Construction of boundary wall gate around the tube well site	LS	1	200,000.00	200,000.00
7	Provision of footpath hedges and lawns at tubewell	LS	1	75,000.00	75,000.00
8	Provision for carriage of materials and other unforeseen items.	LS		50,000	50,000.00
9	Provision for construction of staff quarters for MTC staff.		LS	100000.00	100,000.00
	Total Abstract of cost for Subwork No. 1				1,676,500.00
	SAY IN LAKH				16.77
	Add 3% contingencies & PH Charges				0.50
	TOTAL				17.27
	Add 49% Departmental charges, price escalation, unforeseen,				8.46
	TOTAL				25.73

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	Sub -Work No. 1 Sub -Head No. 02	Water Supply Pumping Machinery			
S.NO	Description	Unit	Qty	Rate	Amount
1	Provision for diesel engine generator set each for standby arrangements for T.W. & Booster pump complete with 50 KVA capacities.	LS	1	400,000	400,000.00
2	Providing Boosting pumps for the following.				
(a)	DOMESTIC PUMP				
(i)	200 lpm & 55 m Head (1 working+1 Standby)	Each	2	150,000	300,000.00
(D)	IRRIGATION PUMP				
(i)	250 lpm & 50 m Head	Each	2	170,000	340,000.00
3	Provision for chlorination plant complete.	Each	-	35,000	
4	Provision for making foundations and erection of pumping machinery.	LS		100,000	100,000.00
5	Provision for pipes, valves and specials inside the pump chamber and boosting chamber.	LS		100,000	100,000.00
6	Provision for electric service connection including electrical fitting for tube-well and boosting chamber etc. (lumpsum) including cost of transformor.	LS		50,000	50,000.00
7	Provision for carriage of material and other unforeseen Items etc.	LS		50,000	50,000.00
	Total Abstract of cost for Subwork No. 1				1,340,000.00
	SAY IN LAKH				13.40
	Add 3% contingencies & PH Charges				0.40
	TOTAL				13.80
	Add 49% Departmental charges, price escalation, unforeseen,				6.76
	TOTAL				20.56

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	Sub -Work No. 1	Water distribution lines			
	Sub -Head No. 03				
S .NO	Description	Unit	Qty	Rate	Amount
1	Providing, laying, jointing and testing DI pipe lines including cost of excavation etc. complete in all respects.				
a	100 mm dia.	Mtr	214	2,350	502,900.00
2	Providing, laying, jointing and testing GI pipe lines including cost of excavation etc. complete in all respects.				
a	80 mm dia.	Mtr	0	1,650	-
b	65 mm dia.	Mtr	0	1,200	-
c	32 mm dia.	Mtr	0	590	-
d	25 mm dia.	Mtr	68	550	37,125.00
e	20 mm dia.	Mtr	0	450	-
3	Providing and fixing sluice / Butterfly valve including cost of surface box and masonry chamber etc.completed in all respects.				
(a)	100 mm dia.	Each	4	11,500	46,000.00
(b)	80 mm dia.	Each		10,500	-
(c)	65 mm dia.	Each		9,000	-
4	Providing and fixing ball valves including cost of surface boxes and masonry chambers etc. complete in all respect.				
a	20 mm dia.	LS			50,000.00
b	25 mm dia.	LS			100,000.00
5	Providing and fixing air valves and scour valves including cost of brick masonry chamber complete.	Each	3	3,500	10,500.00
6	Provision of cutting of roads & making good to its original condition and carriage of material etc and other unforeseen	LS			100,000.00
7	Provision for carriage of material and other unforeseen Items etc.	LS		50,000	50,000.00
	Total Abstract of cost for subwork No. 1				896,525.00
	SAY IN LAKH				8.97
	Add 3% contingencies & PH Charges				0.27
	TOTAL				9.23
	Add 49% Departmental charges, price escalation, unforeseen,				4.52
	TOTAL				13.76

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	Sub -Work No. 1 Sub -Head No. 04	Rising Main From HSVP			
S .NO	Description	Unit	Qty	Rate	Amount
1	Provision for rising main from HUDA main to UGT	LS		50,000	50,000.00
	Total Abstract of cost for subwork No. 1				50,000.00
	SAY IN LAKH				0.50
	Add 3% contingencies & PH Charges				0.02
	TOTAL				0.52
	Add 49% Departmental charges, price escalation, unforeseen,				0.25
	TOTAL				0.77

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	Sub -Work No. 1 Sub -Head No. 05		Water supply Flushing & Irrigation System		
S . NO	Description	Unit	Qty	Rate	Amount
1	Providing, Laying, Jointing and testing uPVC (6 kg/cm ²) pressure rating pipe line confirming to IS : 4985 including cost of excavation etc. complete in all respect. (Flushing & Garden Hydrant Line)				
(a)	25 mm dia	Meter	0	250	-
(b)	32 mm dia	Meter	50	350	17,500.00
(c)	63 mm dia	Meter	0	750	-
1A	Providing, laying, jointing and testing GI pipe lines including cost of excavation etc. complete in all respects.				
(a)	20 mm dia.	Mtr	10	450	4,500.00
(b)	25 mm dia.	Mtr	30	550	16,500.00
(c)	32 mm dia.	Mtr	30	590	17,700.00
2	Providing and fixing ball valves including cost of surface boxes and masonry chambers etc. complete in all respect.				
(a)	25 mm dia	Meter	4	550	2,200.00
(b)	32 mm dia	Meter	2	700	1,400.00
3	Providing and fixing air release valve	Each	2	3500	7,000.00
4	Provision for carriage of Material and other unforeseen. Items.	LS		10,000.00	10,000.00
5	Provision of cutting of roads & making good to its original condition and carriage of material etc and other unforeseen	LS			10,000.00
Total Abstract of cost for Subwork No. 1					86,800.00
SAY IN LAKH					0.87
Add 3% contingencies & PH Charges					0.03
TOTAL					0.89
Add 49% Departmental charges, price escalation, unforeseen,					0.44
TOTAL					1.33

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	Sub -Work No. II			Sewerages System	
S . NO	Description	Unit	Qty	Rate	Amount
1	Supplying, lowering, laying, jointing, testing and commissioning of glazed stoneware pipes grade "A" conforming to IS 651:1992 with latest amendements including conveying of pipe to worksite and caulking with hemp / yarn dipped in tar and jointing with C.M. 1:1perfect linking and curing for 10 days, and testing with water with all lead including cost of jointing materials as directed etc., complete.				
1.1	200 mm diameter	M	132	600	79,200.00
1.2	250 mm diameter	M	98	700	68,600.00
2	Provision for lighting and watching.	LS		25,000	25,000.00
3	Provision for providing oblique junction	LS		25,000	25,000.00
4	Provision of making connection from HUDA	LS		30,000	30,000.00
5	Providing of temporary timbering	LS		50,000	50,000.00
6	Providing STP	KL	45	3,500	157,500.00
7	Provision for vent shafts at suitable places as per public health requirement	LS		100,000	100,000.00
8	Provision of cutting of roads & making good to its original condition and carriage of material etc and other unforeseen	LS			100,000.00
	Total Abstract of cost for Subwork No. II				635,300.00
	SAY IN LAKH				6.35
	Add 3% contingencies & PH Charges				0.19
	TOTAL				6.54
	Add 49% Departmental charges, price escalation, unforeseen,				3.21
	TOTAL				9.75

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S.NO	Sub -Work No. III			Storm Water System	
S . NO	Description	Unit	Qty	Rate	Amount
1	Providing, lowering, laying & jointing RCC NP2 class pipes and specials into trenches including cost of excavation, cost of manholes etc. complete in all respects.				
(b)	400 mm dia.	M	318	700	222,600.00
2	Provision for rainwater harvesting arrangements @ Rs. 1. lac per acre for approximately 2.20 acres by providing Recharging Well.	LS	2.2	100,000	220,000.00
3	Provision of road gully chamber with pipe connection	LS		125,000	125,000.00
4	Provision for lighting and watching.	LS		25,000	25,000.00
5	Provision for connection with HUDA Storm water main line 1 no.	LS		25,000	25,000.00
6	Provision of cutting of roads & making good to its original condition and carriage of material etc and other unforeseen	LS			100,000.00
Total Abstract of cost for Subwork No. III					717,600.00
SAY IN LAKH					7.18
Add 3% contingencies & PH Charges					0.22
TOTAL					7.39
Add 49% Departmental charges, price escalation, unforeseen,					3.62
TOTAL					11.01

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S .NO	Sub -Work No.IV			Roads and Footpaths	
	ROAD NAME		Length (M)	Metalled portion	Area in sqmt.
(a)	6 M WIDE		530.0	6.0	3,180.00
(a)	5 M WIDE		715.0	5.0	3,575.00
(c)	Total Length of Road		1245.0		6,755.00
	Total Area of Road =			6,755.00	m2
	Add 5% for curve =			337.75	m2
	Total Area			7,092.75	m2
	SAY			7,093.00	m2
	Kerb and Channels:	1245.0	5% curves	62.25	1,307.25
S .NO	Description	Unit	Qty	Rate	Amount
1	Provision for leveling and earth filling as Per site condition.	Acre	2.200	150000	330,000.00
1	The necessary provision for construction of roads parking etc has been made in the estimate according to the HUDA norms the following specification has been proposed.				
2	Constriction of roads by providing granular sub base 300 mm as per MORT & H specs conforming to clause 401 grading -II 400.1				
(I)	Providing and laying spreading & compacting hand broken/ crushed stone aggregate to wet mix conforming to physical requirement laid in 400 of MORT & H specification n in two layers (Compacting to 250mm (125+125mm) by taking material 1:32 times of the (thickness of the layer) including premixing of material with water in mechanical mixer.				
(II)	50mm thick B.M				
(III)	20mm thick mix seal surfacing				
(IV)	Sqm		7093.00	450	3,191,850.00
3	Provision for kerbs and channels				
(a)	Metre		1307.25	250	326,812.50
4	Provision of guide maps and indicators	LS		20000	20,000.00
5	Provision of foot path on 9m wide road on both side	LS		100000	100,000.00
6	Provision for plot indicators	LS		10000	10,000.00
7	provision for demarcating burgees	LS		30000	30,000.00
8	Provision for traffic arrangement	LS		100000	100,000.00
9	Provision for making approach and pavement to building.	LS		100000	100,000.00
10	Provision for carriage of materials & other unforeseen Items.	LS		25000	25,000.00

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	Total Abstract of cost for Subwork No. IV				4,233,662.50
	SAY IN LAKHS				42.34
	Add 3% contingencies & PH Charges				1.27
	TOTAL				43.61
	Add 49% Departmental charges, price escalation, unforeseen,				21.37
	TOTAL				64.97

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	Sub -Work No.V		Plantation and road side trees		
	Description	Unit	Qty	Rate	Amount
S .NO	Development of lawn area				
1	Trenching the ordinary soil up to dept of 60cm including removal and stacking serviceable material and disposing of by spreading and leveling within a lead of 50m and making up the trenches area to proper leads by filling with earth mixed with manure before and after flooding trench with water including cost of imported earth and manure.				
(a)	Rough dressing of turfed area				
(b)	Grassing with "Doob Grass" including watering and IV. Maintenance of lawns for 30 days till the grass forms a thick lawn, free from weeds and fit for moving in rows 7.5 m Apart in either direction @ 100000 per acre.	Acre	2.20	100,000.00	220,000.00
(c)	Providing tress, guards and planting tress along road at 12 m interval Total road length = 1774Mtr. No of Tress = 1774/12) = 148 Say = 150 Nos. <u>Cost Analysis of Planting Trees</u> Excavation = 50.00 each Manure = 50.00 each Tree plants = 200.00 each Tree guards = 500.00 each Total Cost = Rs. 800.00 per tree	Each	150	800.00	120,000.00
2	Total Abstract of cost for Subwork No. VI				340,000.00
	SAY IN LAKHS				3.40
	Add 3% contingencies & PH Charges				0.10
	TOTAL				3.50
	Add 49% Departmental charges, price escalation, unforeseen,				1.72
	TOTAL				5.22

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S .NO	Sub -Work No.VI			Street Lighting	
	Description	Unit	Qty	Rate	Amount
1	Providing Street lighting on roads as per standard specification of HVPN.				
(a)	Acre		2.200	100,000	220,000.00
	Total Abstract of cost for Subwork No. V				220,000.00
	SAY IN LAKHS				2.20
	Add 3% contingencies & PH Charges				0.07
	TOTAL				2.27
	Add 49% Departmental charges, price escalation, unforeseen,				1.11
	TOTAL				3.38
	SAY IN LAKHS				3.00

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	Sub -Work No. VII		MTC. Charges & Resurfacing of Roads		
S.NO	Description	Unit	Qty	Rate	Amount
1	Provision for MTC charges for water supply, sewerage, storm water drainage, roads, street light and horticulture complete in all respects.				
1.1	Acres		2.200	300000	660,000.00
2	Resurfacing of roads after Ist 5 Yrs, 50mm thick B.M & 25 mm thick P. carpet.				
(a)	Sqm	Sqm	6,755.00	400	2,702,000.00
3	Provision for resurfacing of roads after 10 yrs. by providing 25mm thick premire carpet.				
(a)	Sqm	Sqm	6,755.00	450	3,039,750.00
	Total Abstract of cost for Subwork No. VII				6,401,750.00
	SAY IN LAKHS				64.02
	Add 3% contingencies & PH Charges				1.92
	TOTAL				65.94
	Add 49% Departmental charges, price escalation, unforeseen,				32.31
	TOTAL				98.25
	SAY IN LAKHS				98.00

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FINAL ABSTRACT OF COST		13.250
S.NO	DESCRIPTIONS	AMOUNT (RS.)
PART - A		
SUB WORK NO. I	WATER SUPPLY & FIRE FIGHTING SCHEME	62.00
SUB WORK NO. II	SEWERAGE SYSTEM	9.75
SUB WORK NO.III	STORM WATER DRINAGE	11.01
TOTAL OF PART A		82.76
PART - B		
SUB WORK NO.IV	ROAD & FOOT PATHS	64.97
SUB WORK NO. V	PLANTATION & ROAD SIDE TREES	5.22
TOTAL OF PART B		70.19
PART - C		
SUB WORK NO.VI	STREET LIGHTING	3.00
SUB WORK NO. VII	MTC. CHARGES INCL RESURFACING OF ROADS AFTER 1st 5 YEARS AND 2nd YEAR OF MTC (AS PER HUDA NORMS)	98.00
TOTAL OF PART C		101.00
TOTAL OF A+B+C		253.95
TOTAL		253.95
SAY IN LAKHS		254.00
Deviation of Cost	19.169811	
Say	19.17	Lakhs Per Acre

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VILLAGE HARSARU ,SECTOR-37D, GURGAON, HARYANA**

SUB WORK No. 1	Water Supply & Fire Fighting scheme	
Sub Head No. 01	Source of Temporary arrangement (Borewell)	25.73
Sub Head No. 02	Water Supply & Fire Fighting Pumping Machinery	20.56
Sub Head No. 03	Water distribution lines	13.76
Sub Head No. 04	Rising Main From HUDA	0.77
Sub Head No. 05	Water supply Irrigation System	1.33
TOTAL		62.15
SAY (IN LAKHS)		62.00