

APPROXIMATE ESTIMATE FOR PROPOSED AFFORDABLE PLOTTED DEVELOPMENT COLONY MEASURING AREA 9.0125 ACRES IN SECTOR 2 & SECTOR 35 VILLAGE SOHNA TEHSIL SOHNA GURUGRAM, HARYANA.			
FINAL ABSTRACT OF COST			
		Amount in Rs. Lacs	
SUB WORK NO. I	WATER SUPPLY SCHEME	65.60	
SUB WORK NO. II	SEWERAGE SCHEME & SEWERAGE DISPOSAL	67.19	
SUB WORK NO.III	STORM WATER DRAINAGE	38.26	
SUB WORK NO.IV	ROADS	98.83	
SUB WORK NO.V	STREET LIGHTING	34.58	
SUB WORK NO. VI	HORTICULTURE & PLANTATION ALONG ROADS	24.84	
SUB WORK NO. VII	Maintenance Charges for Services & Resurfacing of road	103.74	
	Total in lacs	433.04	

(Rupees Four Hundred Thirty Three Lacs)

AUTHORISED SIGNATORY

SUB WORK No. 1 (Abstract of Cost)**Water Supply System**

1	Sub Head No. 01	Head Works	21.58
2	Sub Head No. 02	Pumping Machinery	7.20
3	Sub Head No. 03	Connection from HUDA	1.66
4	Sub Head No. 04	Distribution System	12.31
		TOTAL	42.75
		Add 3% contingencies & PH Charges	1.28
		TOTAL	44.03
		Add 49% Departmental charges, Price escalation, unforeseen, Admin.	21.57
		TOTAL	65.60

Sub Work No. 1		Water Supply System
Sub Head No. 01		Head Works
		<i>Amount in Rs.</i>
1	Boring and installing tubewell with reverse rotary rig Complete with pipe and strainer to a depth of about 75 metre in all respect 2 Nos. @ Rs. 250,000/- each.	5,00,000.00
2	Providing Tubewell Submersible Pumps : Capacity 35000 lph at 40 M head , 2 Nos. @ Rs. 50,000/-each	1,00,000.00
3	Construction of U.G. tanks 300 KL @ Rs. 5000/KL	15,00,000.00
4	Providing & laying testing & commissioning of GI pipe including excavation.(40meter length) GI pipe line from tubewell to under ground water tank including all necessary fitting	46,000.00
5	Provision for construction of Tubewell chambers of Size 1.5x1.5x1.5 m for Housing tubewell - 2 Nos @ Rs. 6000/-	12,000.00
TOTAL		21,58,000.00
		Say in lacs 21.58
Sub Work No. 1		Water Supply & Fire Fighting
Sub Head No. 02		Pumping Machinery
		<i>Amount in Rs.</i>
1	Providing and installing electricity driven pumping Set capable of delivering about 1000 LPM &(13.0HP)of water against a total Head of 35 M complete with motor and other accessories 2Nos @ Rs. 60000/- Each	1,20,000.00
2	Provision for diesel engine genset each for standby arrangements For Pumps complete with gear head arrangements of following capacities. 1 No. of capacity 40 KVA @ Rs.250,000/- Each	2,50,000.00
3	Provision for chlorination plant complete 1 No. @ Rs.75,000/- Each	75,000.00
4	Construction of required size pump room & Provision for making foundations and erection of Pumping Machinery: - Lump Sum	50,000.00
5	Provision for electric service connection including electrical Fittings for tube-well and boosting chamber etc. - Lump Sum	50,000.00
6	Provision for carriage of material and other unforeseen Items etc. L/S Provision for electric service connection including electrical fitting for tubewell /under ground water tank complete in all respect & cost of transformer	25,000.00 1,50,000.00
TOTAL		7,20,000.00
		Say in lacs 7.20

Sub-Work No. 1
Sub Head No. 03

Water Supply
Connection from HUDA

Amount in Rs.

1	Providing , laying , jointing and testing pipe lines including Cost of excavation etc. complete in all respects. 80 mm dia. D.I. pipe 50m @ Rs. 950/-	47,500.00
2	Providing and fixing sluice valve including cost of surface box and masonry chamber etc. complete in all respects. 80 mm i/d 1 No. @ Rs. 8000/-	8,000.00
3	Provision for carriage for materials and other unforeseen items(Lump Sum)	10,000.00
4	Making Water Supply Connection	50,000.00
5	Provision for cutting of roads and making good to its original Conditions.	50,000.00
	TOTAL	1,65,500.00
	Say in lacs	1.66

Sub Work No. 1
Sub-Head No. 04

Water Supply
Distribution System

Amount in Rs.

1	Providing , Laying , jointing and testing D.I (K-7) pipe line including Fittings, valves, cost of excavation etc. complete in all respect.	
	D.I Pipe 100 mm, 1000 M @ Rs.1100/- per meter	11,00,000.00
	D.I Pipe 150 mm, 25 M @ Rs.1200/- per meter	30,000.00
2	Provision for carriage of materials and other unforeseen items (Lump Sum)	25,000.00
3	Providing and fixing CI double flange butter fly valves including chamber:-	
	100 mm dia 5 No. @ Rs. 12000/- each	60,000.00
	150 mm dia 1No. @ Rs. 16000/- each	16,000.00
	Total	12,31,000.00
	Say in lacs	12.31

Sub Work No. II**SEWERAGE SCHEME & SEWERAGE DISPOSAL**

		<i>Amount in Rs.</i>
1	Providing , jointing , cutting and testing SW pipe class and lowering into trenches including cost of Excavation, bed concrete, complete	
	a) SW pipe 200 mm i/d avg. depth 1-2 M 1020 M @ Rs. 1200/-M	12,24,000.00
	b) SW pipe 250 mm i/d avg. depth 1-2 M 50M @ Rs. 650/-M	32,500.00
2	Construction of manhole as per specification	
	a 900 Dia circular manhole 16 @15000/- each	2,40,000.00
4	Provision for cartage of material	50,000.00
5	Provision for lighting and watching	25,000.00
6	Provision for making HUDA Connection	1,00,000.00
7	Provision for Temp Disposal	1,00,000.00
	Total	<u>17,71,500.00</u>
	Add 3% contingencies & PH charges	53,145.00
	Total	18,24,645.00
	Add 49% Price Escalation,Departmental charge	8,94,076.05
	TOTAL	27,18,721.05

Say in lacs**27.19**

1	Providing & installation of 300 KL STP(in phases) including civil tanks & electro-mechanical works complete in all respects.	40,00,000.00
		40.00
	Say in lacs	67.19

Sub-Work No. III**STORM WATER SCHEME & RAIN WATER HARVESTING***Amount in Rs.*

1	Providing & laying of RCC pipe including excavation of incharge. trenches & bed concrete & lead and lift the surplus excavated soil as per direction of engineer a 300 mm dia RCC NP2 pipe(950 meter)			9,97,500.00
2	Construction of manhole as per specification a 900 Dia circular manhole 23 @15000/- each			3,45,000.00
3	Providing & laying of rcc kerb drain along the road kerb drain along 9.0 meter wide road(in 1420m)	1420	230	3,26,600.00
4	Construction of Rain Water Harvesting well of 3.0mx 3.0 meter dia & 3.5 meter deep as per details and specifications given below and as per attached drawings complete in all respects: - Earthwork Excavation in all kinds of soils, hard soil in foundation trenches or drains including dressing of sides ramming of bottom and getting out excavated soil.	3	200000	6,00,000.00
5	Construction of brick masonry desilting chamber of size 1500x1000mm (effective depth) before rainy well with 75 class designation bricks in cement mortar 1:4 (1 cement : 4 coarse sand) , foundation concrete 1:4:8 mix (1 cement : 4 coarse sand; 8 graded stone aggregate 40mm nominal size), inside and outside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement inside and rough plaster on outside, including fixing of grating , neatly finished complete in all respects including neccessary excavation in all kinds of soils , hard soil , soft rock & dewatering if required. , refilling and disposal of surplus earth, complete.	3	8000	24,000.00
6	Provision for Making Connection to HUDA Line (L.S)			2,00,000.00

Total	24,93,100.00
Add 3% for contingencies and PH charges	74,793.00
Total	25,67,893.00
Add 49% Price escalation, Departmental charg	12,58,267.57

TOTAL**38,26,160.57****Say in lacs****38.26**

Sub Work No. IV		ROAD WORK		
1	Supply and Filling of earth in layers consolidation with road roller 8 to 6390 Sq-m@ 25/sq-m			1,59,750.00
2	Construction of 9.0 m and 12 m wide road complete road including 200 mm thick granular sub-grade.PCC 100mm thick 1:8:16 and 80 mm thick paver			
	a)200 mm thick GSB (710 X5.5)	3905	514	20,07,170.00
	b)PCC 1:8:16 (100mm thick) (3905)*0.100=653.6	390	3250	12,67,500.00
	c) 80 mm thick paver with sand filling	3905	721	28,15,505.00
3	Providing and Marking of 100 mm & 150 mm thick center and side line marking on road.	L. S.		75,000.00
4	Provision for guide map and other unforeseen	L. S.		25,000.00
5	Provision for Plot Indicators.	L. S.		40,000.00
6	Provision for Demarcating bhurgis.	L. S.		50,000.00
				64,39,925.00
	Add 3% for contingencies & P.E charges			66,33,122.75
	Add 49% Price escalation, Departmental charges, unforeseen charges			98,83,352.90
	C. O. to final abstract of cost.			98.83

Sub Work No. V**Street Lighting**

1	Providing for Street lighting with underground deducting on road as per standard specification of DHBVPNL			
	9.0125 acre @250000/- per acres	acres	250000.00	22,53,125.00
		9.0125		
	Add 3% contingencies			67,593.75
			Total	23,20,718.75
	Add 49% Deptt. Charges , Price Escalation Unforeseen, Admn			11,37,152.19
			Total	34,57,870.94
			say in lac	34.58

Sub Work No. VI
Sub Head no.-1

Horticulture & Plantation along Roads

Amount in Rs.

1	Providing , Laying, Jointing and testing pipe line Confirming to IS 4985 (uPVC) including cost of excavation etc. complete in all respect.		
	a) 25 mm dia 50 metre @ Rs. 290/- M		14,500.00
	b) 65 mm dia 500 metre @ Rs. 525/- M		2,62,500.00
2	Providing and fixing 20 mm dia. irrigation garden hydrant Valve complete in all respect. 10Nos. @ Rs. 2000/ each		
3	Provision for carriage of Material and other as unforeseen items		50,000.00
	TOTAL		3,27,000.00
		Say	3.27

Sub Work No. VI
Sub Head no.-2

Plantation and Road side trees

1	Development of lawn areas		
	a) Trenching the ordinary soil upto dept of 60cm including removal and stacking of serviceable materials and disposing of by spreading and leveling within a lead to 50m and making up the trenches area of proper leads by filling with earth mixed with manure before and after flooding trench with water including cost of imported earth and manure		
	b) Rough dressing of trufed area		
	c) Grassing with "Doob Grass" including watering and maintenance of lawns for 30 days till the grass forms a thick lawn free weeds and fit for moving in rows 7.5m apart in either direction including provision for hedges and barbed wire fencing around park		
	(9.0125ares @ 150000 per acre	9.0125	150000.00
			13,51,875.00
2	Provisions trees, guards and planting trees along road at 12mt interval Total Road length =1425mt (710*2)/12 =118.33nos, Say =119 nos Cost of Analysis of planting trees Excavation @ Rs.20.00 Manure @ Rs.30.00 Tree plant @ Rs.40.00 Tree guard @ Rs.360.00 Total Rs.450 per trees	119	450.00
			53,550.00
			TOTAL
			14,05,425.00
	Add 3% contingencies		42,162.75
			Total
			14,47,587.75
	Add 49% Deptt. Charges , Price Escalation Unforeseen, Admn		7,09,318.00
			Total
			21,56,905.75
			Total
			24,83,905.75
		Say (Lacs)	24.84

**Maintenance Charges for Services
& Resurfacing of road**

1 Provision for maintenance charges for water supply, sewerage, storm water drain, roads, street lighting, horticulture etc. complete in all respect including operation and establishment charges as per HUDA norms after completion and resurfacing of roads after 10 years.			
9.0125 acre @ 7.5 lacs per acre	9.0125	750000.00	67,59,375.00
2 Provision for resurfacing of roads after 1st 5 years of maintenance by providing cement concrete at required places.			
Provision for resurfacing of roads after 10 years of maintenance by providing cement concrete			
3 at required places.			
		Total	67,59,375.00
Add 3% contingencies			2,02,781.25
		Total	69,62,156.25
Add 49% Deptt. Charges , Price Escalation Unforeseen, Admn			34,11,456.56
			1,03,73,612.81
			103.74