

Service plan estimate for group housing scheme measuring 8.375 acre (license No. 13 of 2013 dated 18.03.2013) in Sec-22 Dharuhera being developed by S.K.G. Builcon Pvt. Ltd. and Ambition Colonizer Pvt. Ltd. in collaboration with Dwarkadhis projects Pvt. Ltd.

Sub Work No. 1			Water supply
Sub Head No. 1.			Head Works
1	Boring and installing 8" I/d tube wells with reverse/direct rotary rig complete with pipe and stainer to depth of about 100 m complete.		
	2 Nos. @ Rs. 90,000/- each	Rs.	180,000
2	Construction of pumping chamber as per standard design of PWD/HUDA		
	2 Nos. @ Rs. 100000/- each	Rs.	200,000
3	Construction of boundary wall, gates around the tubewells site and water works etc.		
	Water works 1 Nos. @ Rs. 100000/- each	Rs.	100,000
4	Provision of footpath hedges and lawns as required at tube well site		
	Water works site. 1 No. @ Rs. 0.50 Lakhs each	Rs.	50,000
5	Construction of pumping/ boosting chambers of suitable size along with under ground tank of capacity 500 KL pumping machinery and generating set etc. complete in all respect.	Rs.	2,221,690
	UGT 750 KL capacity including 375 KL for fire fighting in three compartments including cost of pumping machinery	Rs.	555,422
6	Provision for carriage of material and other unsoreseen items.	Rs.	50,000
7	Provision for elect. Connection from DHBVPN	Rs.	50,000
	Total	Rs.	3,407,112
	Say in Lakhs	Rs.	34.08
	C.O. to Abstract of cost water supply.		

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Sub Work No. 1			Water supply
Sub Head No. 2			Pumping Machinery
1	Providing and installing electricity driven or submersible pumping set capable of delivering about 32 KL water per hour against a total head of 40 M complete with motor		
	2 Nos. @ Rs. 50000/- each	Rs.	100,000
2	Provisino for Diesel engine Genset for stand- by arrangements for tube wells. 32 KVA		
	1 Nos. @ Rs. 300000/- each	Rs.	300,000
3	Provision for Electro chlorination machine		
	2 Nos. @ Rs. 30,000/- each	Rs.	60,000
4	Provision of making foundations and erection of pumping machinery		
	2 nos. @ Rs. 50000/-each	Rs.	100,000
5	Provision for pipes, valves and specials inside the pump chamber		
	2 Nos. @ Rs. 100000/- each	Rs.	200,000
6	Provision for electric services connections including electric fittings for tube wells chamber complete L.S.	Rs.	50,000
7	Provision for carriage of material and unforeseen item L.S.	Rs.	50,000
	Total	Rs.	860,000
	Say in Lakhs	Rs.	8.60
	C.O. to Abstract of cost water supply.		

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Sub Work No. 1			Water supply
Sub Head No. 3			Distribution system / rising mains
1	Providing laying, jointing and testing DI/CI pipes including cost of excavation complete as per ISI marked.		
	Drinking		
	150 mm D/I 19.00 M @ Rs. 1200.00 Per M	Rs.	22,800
	100 MM D/I 424.00 M @ Rs. 700.00 Per M	Rs.	296,800
	65 MM SH-80 148.00 M @ Rs. 300 Per M	Rs.	44,400
	50 MM SH-80 31.00 M @ Rs. 200. Per M	Rs.	6,200
	Flushing		
	100 mm D/I 23 RM @ Rs. 700/- Per M.	Rs.	16,100
	80 mm D/I 423 RM @ Rs. 450/- Per M.	Rs.	190,350
	50 mm Sh-80 223 RM @ Rs. 200/- Per M.	Rs.	44,600
	40 mm Sh-80 31 RM @ Rs. 150/- Per M.	Rs.	4,650
	25 mm SH-80 40 RM @ Rs. 100/- Per M.	Rs.	4,000
2	Providing and fixing sluice valves including cost of brick masonry chamber complete in all respect.		
	150 mm Butterfly Valve 1 Nos. @ Rs. 3500/- each	Rs.	3,500
	100 mm Butterfly Valve 1 Nos. @ Rs. 1250/- each	Rs.	1,250
	65 mm SH-80 12 Nos. @ Rs. 800/- each	Rs.	9,600
	50 mm SH-80 14 No. @ Rs. 600/- each	Rs.	8,400
	40 mm SH-80 1 No. @ Rs. 350/- each	Rs.	350
	25 mm SH-80 3 No. @ Rs. 200/- each	Rs.	600
3	Providing and fixing Air valves and scour valves including cost of rick masonry chamber complete.		
	2 Nos. @ Rs. 10000/- each	Rs.	20,000
4	providing and fixing indicating plagtes for slucie valves air valves.		
	10 Nos. Rs. 1000.00 each	Rs.	10,000
5	Provision for carriage of material L.S.	Rs.	50,000
6	Provision for cutting of roads and making good to be its original conditions. L.S.	Rs.	100,000
7	to UGT including cost of excavation and refilling.		
	100 mm D/I 100 mtr. @ Rs. 925 per mtr.	Rs.	92,500
	Rising main from HUDA 100 mm dia 100 mtr. @ 925 per mtr.	Rs.	92,500
8	Provision for connection with HUDA Line	Rs.	50,000
	Total	Rs.	1,068,600
	Say in Lakhs	Rs.	10.69
	C.O. to Abstract of cost water supply.		

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Sub Work No. 1			Water supply
Sub Head No. 4			Fire Ring Main
1	Providing, laying, jointing & Testing 150 mm dia M.S. Pipe (Fire Ring Main) including cost of excavation welding etc. competed in all respect.		
	150 mm dia MS pipe 952 RM @ Rs. 1200/-	Rs.	1,142,400
2	Providing and fixing fire hydrants complete cabinet		
	12 Nos. @ Rs. 9500/- each	Rs.	114,000
3	Providing and fixing indicating plates for fire hydrants.		
	12 Nos. @ Rs. 650/- each	Rs.	7,800
	Total	Rs.	1,264,200
	Say in Lakhs	Rs.	12.65
	C.O. to Abstract of cost		

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Sub Work No. 2			Sewerage
			Pumping Machinery
1	Providing lowering, jointing cutting salt glazed stone ware pipe and specials into trenches, including cost of excavation, bed concrete, const of manhole etc. complete in all respect.		
	SW pipe		
i)	400 mm i/d		
	Avg. depth upto 2.0 M		
	47 M @ Rs. 850 Per Mtr.	Rs.	39,950
ii)	300 mm i/d		
	Avg. depth upto 2.0 M		
	517 M @ Rs. 650 Per mtr.	Rs.	336,050
iii)	200 mm i/d		
	Avg. depth upto 2.0 M		
	216 M @ Rs. 500 Per mtr.	Rs.	108,000
2	Provision for providing and fixing vent shafts at suitable places as per P.H. requirements L.S.	Rs.	100,000
3	Provision for STP of capacity 500 KLD including all Civil works & machinery.	Rs.	4,035,448
4	Provision for irrigation line for garden hydrants for watering	Rs.	200,000
5	100 mm DI pumping main from STP to HUDA	Rs.	100,000
6	Provision for maing connection with HUDA	Rs.	100,000
7	Provision for connection from DHBVPN	Rs.	100,000
8	Provision for cutting of roads and carriage for materials etc.	Rs.	50,000
	Total	Rs.	5,169,448
		Rs.	5,169,448
	G. Total	Rs.	5,169,448
	Say in Lakhs	Rs.	51.70
	C.O. to Abstract of cost		

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Sub Work No. 3			S.W. Drainage
1	Providing, lowering, jointing cutting of RCC NP2 pipes and specials into trenches including cost of excavation, cost of manholes, ventilating chamber etc. complete in all respect.		
i)	400 mm i/d		
	Avg. depth upto 2.0 M		
	616 Mtr @ Rs. 850 Per Mtr.	Rs.	523,600
ii)	300 mm i/d		
	Avg. depth upto 2.0 M		
	134 Mtr @ Rs. 650 Per Mtr.	Rs.	87,100
ii)	200 mm i/d		
	Avg. depth upto 2.0 M		
	652 Mtr @ Rs. 500 Per Mtr.	Rs.	326,000
2	Provision of roads gullies L.S.	Rs.	500,000
3	Provision for lighting, watching and temporary diversion of	Rs.	100,000
4	Provison for cutting the roads and carriage of materials etc. and other unforeseen items. L.S.	Rs.	100,000
5	Provision for Rain Water Harvesting well 7 Nos. @ 80,000/-	Rs.	560,000
6	Provision for connection with HUDA	Rs.	100,000
	G. Total	Rs.	2,296,700
	Say in Lakhs	Rs.	22.97
	C.O. to Abstract of cost		

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Estimate for provision of Street Lighting			
Sub Work No. 5			Street Light
	Providing street lighting on roads as per standard specifications complete in all respect.		
	Area = 8.375 Acres		
1	Providing and installing Street Light pole with concrete foundation.		
i)	Concrete foundation of .3 x .3 x .5 Mtr with bolts		
	90 Nos x Rs. 500 per pc	Rs.	45,000
ii)	M.S. Painted pole for Street Light		
	90 Nos x Rs. 2,500 per pc	Rs.	225,000
2	Providing and installing electricity driven LED street light of 40 w each on the poles.		
i)	90 Nos x Rs. 1,600 per pc	Rs.	144,000
3	Electricity wiring for the running of street lights		
i)	1300 R Mtr x 100/- per R. mtr	Rs.	130,000
	G. Total	Rs.	544,000
	Say in Lakhs	Rs.	5.44
	C.O. to Abstract of cost		

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Estimate for provision of Horticulture			
Sub Work No. 6			Horticulture
1	Devlopment of Lawn area		
a)	Trenching the ordinary soil upto depth of 60 cm including removal and packing of serviceable material and disposing at a lead of 50 M and making up the trenched area to proper level by filling with earth mixed with manure before and after flooding trench with water including cost of imported earth.		
b)	Rough dressing of trenched area.		
c)	grassing with "doob grass' including watering and maintenance of lawns free from weeds and fit for moving in rows 7.50 cm in either direction including for hedges and grill and barred wire fencing around park and green belts (as per area =2.15 acres 462,300/-)	Rs.	993,945
2	Planting of trees with tree guards on roads at 40' / 12 m intervals at 1200 m long road		
	Trees @ 5M c/c $1087/5 = 217$ Nos		
	Cost of one tree		
	Excavation Rs. 70.00 each		
	Manure Rs. 90.00 each		
	Tree Plants Rs. 80.00 each		
	Tree Guard Rs. 400.00 each		
	Total Rs. 640.00 each		
	217 trees @ Rs. 640.00 each	Rs.	138,880
3	Planting of shrubs 6' / 2 m intervals at both sides of 1200 m long road i.e. $(567/2) \times 1 = 284$ Nos		
	Cost of one shrub/ plant		
	Excavation Rs. 80.00 each		
	Manure Rs. 90.00 each		
	Shrub/ Plants Rs. 60.00 each		
	Total Rs. 230.00 each		
	284 shrubs @ Rs. 230.00 each	Rs.	65,320
	G. Total	Rs.	1,198,145
	Say in Lakhs	Rs.	11.99
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Sub Work No. 7			Mtc. Charges and Resurfacing of Road
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 HUDa norms after completion.		
	8.375 area @ Rs. 2.25 Lakhs per acres.	Rs.	1,884,375
2	Provision for repair/ replacement of paver blocks after first five years of maintenance i.e. 50% of the blocks originally paved @ Rs. 450/- per Sqm.		
	50% of originally paved @ Rs. 450/- per sqm.	Rs.	549,500
	G. Total	Rs.	2,433,875
	Say in Lakhs	Rs.	24.34
	C.O. to Abstract of cost		

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Estimate of Paved Road					
Sub Work No. 4					Road Upto PC
	Width of road	length of road (In Mtr.)	Paved width mtr.	UOM	Area in Sqm.
	A	B	C		D= B x C
	6 mtr.	1086.91	6	SqMtr	6,521
	Add 3% for curves			SqMtr	196
	Total			SqMtr	6,717
	Jogging Track	567	1	SqMtr	567
					Amount in Rs.
1	Providing for levelling, earth filling/cutting as per site conditions LS @ Rs. 48000 acres Area 8.375 acres.			Rs.	402,000
2	i) Construction of road by provisioning granular sub base 300 mm as per MORT& H specification conforming to clause 401 grading II as per table 400.10			Rs.	869,025
	ii) Providing, laying spreading and compacting hand broken, crushed stone agg. to wet mix macadam conforming to physical requirment laid in 400 of MORT& H specification in two layer compacted to 250 mm (125+125) by taking 1.32 time of the thickness of two layers inlcuding provisioning of			Rs.	973,308
	iii) 80 mm thick Paver Block (6,717 Sqm. @ Rs.450/- per Sqm.)			Rs.	3,022,697
3	Providing cement concrete pavement for parking in precast PCC tiles (1:1:5:3)				
i)	3140 Sqmtr. @ Rs. 350/- per sqm.			Rs.	1,099,000
4	Provision of guide maps. L.S.			Rs.	20,000
5	Provision of road signages / indicator board			Rs.	50,000
6	Provision of carriage of material and unforeseen item.			Rs.	50,000
	G. Total			Rs.	6,486,030
	Say in Lakhs.			Rs.	64.87
	C.O. to Abstract of cost				

Service plan estimate for group housing scheme measuring 13.237 acre (license No. 13 of 2013 dated 18.03.2013) in Sec-22 Dharuhera being developed by S.K.G. Builcon Pvt. Ltd. and Ambition Colonizer Pvt. Ltd. in collaboration with Dwarkadhis projects Pvt. Ltd.

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						1312	226.32		0	226.32	678.96	100	60	2.56	0.15	299.15	299.00	250.15	49.85	
14	M-L	DUS	189	0	189	945	163.01	11	11	174.01	522.04									
		SPS	20	0	20	40	6.90		0	6.90	20.70									
						985	169.91		0	169.91	509.74	100	260	3.06	0.80	299.15	298.35	250.26	49.20	
15	A-N	DUS	0	252	252	1260	217.35		0	217.35	652.05									
		SPS	0	25	25	50	8.63		0	8.63	25.88									
						1310	225.98		0	225.98	677.93	150	40	2.56	0.10	299.93	299.83	250.23	49.90	
16	N-O		Connecting line					33	33	33.00	99.00	100	110	2.25	0.25	299.83	299.58	250.2	49.75	
17	O-P		Connecting line									100	50	2.25	0.11	299.58	299.47	250.22	49.89	
18	N-Q	DUS	63	189	252	1260	217.35		0	217.35	652.05									
		SPS	6	19	25	50	8.63		0	8.63	25.88									
						1310	225.98		0	225.98	677.93	100	65	2.56	0.17	299.83	299.66	250.11	49.83	
19	Q-R	DUS	0	189	189	945	163.01		0	163.01	489.04									
		SPS	0	19	19	38	6.56		0	6.56	19.67									
						983	169.57		0	169.57	508.70	100	66	2.56	0.17	299.66	299.49	250.18	49.83	
20	R-S	DUS	0	189	189	945	163.01		0	163.01	489.04									
		SPS	0	19	19	38	6.56		0	6.56	19.67									
						983	169.57		0	169.57	508.70	100	60	2.56	0.15	299.49	299.34	250.24	49.85	
21	S-T	DUS	126	63	189	945	163.01		0	163.01	489.04									
		SPS	13	6	19	38	6.56		0	6.56	19.67									
						983	169.57		0	169.57	508.70	100	130	2.56	0.33	299.34	299.01	250.1	49.67	
22	T-U	DUS	63	0	63	315	54.34		0	54.34	163.01									
		SPS	6	0	6	12	2.07		0	2.07	6.21									
						327	56.41		0	56.41	169.22	100	60	1.74	0.10	299.01	298.91	250.13	49.90	
23	U-P	DUS	0	0	0	0	0.00		0	0.00	0.00									
		SPS	6	0	6	12	2.07		0	2.07	6.21									
						12	2.07		0	2.07	6.21	100	85	2.25	0.19	298.91	298.72	250.18	49.81	

[illegible]

						4266	735.89		0	735.89	551.91	250	1/225	2.50	0.44	65	0.29	250.11	250.16	248.66	248.37	1.45	1.79	1.62
10	H-I	DUS	0	756	756	3780	652.05		0															
		SPS	0	75	75	150	25.88		0															
		EWS	0	168	168	336	57.96		0															
						4266	735.89		0	735.89	551.91	250	1/225	2.50	0.44	30	0.13	250.16	250.12	248.37	248.24	1.79	1.88	1.84
11	I-J	DUS	0	756	756	3780	652.05		0															
		SPS	0	75	75	150	25.88		0															
		EWS	0	168	168	336	57.96		0															
						4266	735.89	25	25	760.89	570.66	250	1/225	2.50	0.44	60	0.27	250.12	250.09	248.24	247.97	1.88	2.12	2.00
11	J-K	DUS	0	756	756	3780	652.05		0															
		SPS	0	75	75	150	25.88		0															
		EWS	0	168	168	336	57.96		0															
						4266	735.89		0	735.89	551.91	250	1/225	2.50	0.44	30	0.13	250.09	250.05	247.97	247.84	2.12	2.21	2.17
12	K1-K2	DUS	126	0	126	630	108.68		0															
		SPS	12	0	12	24	4.14		0															
						654	112.82		0	112.82	84.61	200	1/225	2.50	0.44	38	0.17	250.05	250.09	249.05	248.88	1.00	1.21	1.10
12	K2-K3	DUS	0	126	126	630	108.68		0															
		SPS	0	12	12	24	4.14		0															
						654	112.82		0	112.82	84.61	200	1/225	2.50	0.44	60	0.27	250.09	250.14	248.88	248.61	1.21	1.53	1.37
12	K3-K4	DUS	0	126	126	630	108.68		0															
		SPS	0	12	12	24	4.14		0															
						654	112.82		0	112.82	84.61	200	1/225	2.50	0.44	65	0.29	250.14	250.11	248.61	248.33	1.53	1.78	1.66
12	K4-K5	DUS	0	126	126	630	108.68		0															
		SPS	0	12	12	24	4.14		0															
						654	112.82		0	112.82	84.61	200	1/225	2.50	0.44	35	0.16	250.11	250.07	248.33	248.17	1.78	1.90	1.84
12	K5-K	DUS	0	126	126	630	108.68		0															
		SPS	0	12	12	24	4.14		0															
						654	112.82		0	112.82	84.61	200	1/225	2.50	0.44	65	0.29	250.07	250.05	248.17	247.88	1.90	2.17	2.03
14	K-STP	DUS	0	882	882	4410	760.73		0															
		SPS	0	87	87	174	30.02		0															
						4584	790.74		0	790.74	593.06	250	1/225	2.50	0.44	80	0.36	250.05	250.03	247.84	247.48	2.21	2.55	2.38
14	K6-K7	DUS	63	0	63	315	54.34		0															
		SPS	10	0	10	20	3.45		0															
						335	57.79		0	57.79	43.34	200	1/225	2.50	0.44	60	0.27	250.12	250.14	249.12	248.85	1.00	1.29	1.14
14	K7-K8	DUS	0	63	63	315	54.34		0															
		SPS	0	10	10	20	3.45		0															
						335	57.79	33	33	90.79	68.09	200	1/225	2.50	0.44	80	0.36	250.14	250.16	248.85	248.50	1.29	1.66	1.47
14	K8-STP	DUS	0	63	63	315	54.34		0															
		SPS	0	10	10	20	3.45		0															
						335	57.79		0	57.79	43.34	200	1/225	2.50	0.44	35	0.16	250.16	250.05	248.50	248.34	1.66	1.71	1.69

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Design Statement Storm Water Drainage

Sr. No.	SWD line marked as	Area Served			Run Opff assuming RF @ 3/4" pe hours in cs.	DIA M of pipe in MM	Gradiant	Velocity in ft. per sec.	Design discharge in Cs.	Length of Pipe lines in mtr.	Fall in mtrs,	Ground Level		Invert Level		Depth in line		Avg. Depth (in mtr.)
		Self	Branch	Total								Upper end	Lower end	Upper end	Lower end	Upper end	Lower end	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	A-B	1.1		1.1	0.83	400	1/570	2.50	3.38	50	0.09	250.33	250.13	249.23	249.14	1.10	0.99	1.04
2	B-C	0.69	1.1	1.79	1.34	400	1/570	2.50	3.38	72	0.13	250.04	250.13	249.14	249.02	0.90	1.11	1.01
3	C-D	0.21	1.79	2	1.5	400	1/570	2.50	3.38	60	0.11	249.60	250.07	249.02	248.91	0.58	1.16	0.87
4	D-E	0.31	2	2.31	1.73	400	1/570	2.50	3.38	125	0.22	250.18	250.07	248.91	248.69	1.27	1.38	1.32
5	E-F	2.16	2.31	4.47	3.35	400	1/570	2.50	3.38	60	0.11	250.07	249.95	248.69	248.59	1.38	1.36	1.37
6	F-G	0.7		0.7	0.53	400	1/570	2.50	3.38	60	0.11	249.95	249.80	248.59	248.48	1.36	1.32	1.34
7	G-H	0.25	0.7	0.95	0.71	400	1/570	2.50	3.38	60	0.11	249.85	249.78	248.48	248.38	1.37	1.40	1.39
8	H-I	1.48	0.95	2.43	1.82	400	1/570	2.50	3.38	10	0.02	249.90	249.80	248.38	248.36	1.52	1.44	1.48
9	I-J	0.94		0.94	0.71	400	1/570	2.50	3.38	60	0.11	249.80	249.75	248.36	248.25	1.44	1.50	1.47
10	J1-J2	0.15	0.94	1.09	0.82	400	1/570	2.50	3.38	260	0.46	249.75	249.70	248.65	248.19	1.10	1.51	1.30
11	J2-J	0.62	3.37	3.99	2.99	400	1/570	2.50	3.38	60	0.11	249.70	249.60	248.19	248.09	1.51	1.51	1.51
12	J-K	0.98	3.99	4.97	3.72	400	1/570	2.50	3.38	130	0.23	249.60	249.40	248.09	247.86	1.51	1.54	1.53
13	K-L	0.61	9.37	9.98	7.02	400	1/570	2.50	3.38	70	0.12	250.38	250.13	247.86	247.74	2.52	2.39	2.46
14	L-M	0.42		0.42	0.46	400	1/570	2.50	3.38	25	0.04	250.13	250.00	247.74	247.69	2.39	2.31	2.35
15	M1-M2	0.38	0.61	0.99	0.77	400	1/570	2.50	3.38	130	0.23	250.00	249.50	248.90	248.67	1.10	0.83	0.96

16	M2-M3	0.27		0.27	0.29	400	1/570	2.50	3.38	60	0.11	250.28	250.15	248.67	248.57	1.61	1.58	1.60
17	M3-M	0.5	1.41	1.91	1.26	400	1/570	2.50	3.38	35	0.06	250.15	250.05	248.57	248.51	1.58	1.54	1.56
18	M4-M5	0.1		0.1	0.38	400	1/570	2.50	3.38	45	0.08	249.98	249.85	248.51	248.43	1.47	1.42	1.45
19	M5-M6	0.67		0.67	0.08	400	1/570	2.50	3.38	65	0.11	249.80	249.85	248.43	248.31	1.37	1.54	1.46
20	M-6-M7	0.15	0.1	0.25	0.58	400	1/570	2.50	3.38	35	0.06	249.92	249.85	248.31	248.25	1.61	1.60	1.60
21	M7-M	0.29	0.58	0.87	0.55	400	1/570	2.50	3.38	46	0.08	249.98	249.85	248.25	248.17	1.73	1.68	1.70
22	M8-M9	0.40	0.73	1.13	0.85	400	1/570	2.50	3.38	60	0.11	249.92	249.80	248.17	248.06	1.75	1.74	1.74
23	M9-Disposal	0.52	0.73	1.25	0.94	400	1/570	2.50	3.38	40	0.07	249.80	249.30	248.06	247.99	1.74	1.31	1.52

Service plan estimate for group housing scheme measuring 13.237 acre (license No. 13 of 2013 dated 18.03.2013) in Sec-22 Dharuhera being developed by S.K.G. Builcon Pvt. Ltd. and Ambition Colonizer Pvt. Ltd. in collaboration with Dwarkadhis projects Pvt. Ltd.

<u>Sector-22 Dharuhera.</u>					
<u>WATER SUPPLY (Subwork No 1) ABSTRACT OF COST.</u>					
1	Sub-head No 1	Head Works	Rs.	34.08	Lakhs
2	Sub-head No 2	Pumping Machinery	Rs.	8.60	Lakhs
3	Sub-head No 3	Distribution System	Rs.	10.69	Lakhs
4	Sub-head No 4	Fire Ring Main	Rs.	12.65	Lakhs
		Total	Rs.	66.02	Lakhs
	Add 3 % Contingencies & PE Charges		Rs.	1.98	Lakhs
		G.Total	Rs.	68.00	Lakhs
Cost/Gross acre (in lakhs/acre) = 139.96/8.375 = Rs.16.71 Lakhs /acres.					

Service plan estimate for group housing scheme measuring 8.375 acre (license No. 13 of 2013 dated 18.03.2013) in Sec-22 Dharuhera being developed by S.K.G. Builcon Pvt. Ltd. and Ambition Colonizer Pvt. Ltd. in collaboration with Dwarkadhis projects Pvt. Ltd.

Sector-22 Dharuhera.

FINAL ABSTRACT OF COST.

1	Sub Work No. 1	Water Supply	Rs.	68.00	Lakhs
2	Sub Work No. 2	Sewerage	Rs.	51.70	Lakhs
3	Sub Work No. 3	Storm Water Drainage	Rs.	22.97	Lakhs
4	Sub Work No. 4	Road and footpath	Rs.	64.87	Lakhs
5	Sub Work No. 5	Street Lighting	Rs.	5.44	Lakhs
6	Sub Work No. 6	Horticulture & Park	Rs.	11.99	Lakhs
7	Sub Work No. 7	Mtc. Charges for repairs to be carried after 5 years	Rs.	24.34	Lakhs
		Total	Rs.	249.31	Lakhs
		Add 10% departmental charges/ price escalation/ unforeseen item/ and P.E./ Admn charges	Rs.	24.93	Lakhs
		G.Total	Rs.	274.24	Lakhs
		Say	Rs.	275.00	Lakhs

Cost/Gross acre (in lakhs/acre) = 775.00/8.375 = Rs.85.85 Lakhs /acres.

Project- Dwarkadhish Casa Romana at Sector-22, Dharuhera

Water Requirement Calculation

S.No	Description	Nos of Unit	Unit population	Built up area	Population	Unit Water Consumption	Total Water Required	Recycle Water Requirement	Total Recycle Water
				(Sq M)	(Persons)	(Liters)	(Liters)	(Liters)	(Liters)
1	Apartments	660	5		3,432	173	592,020	45	154,440
2	EWS	116.47	2		233	173	40,182	45	10,482
3	Club & Floating Population				550	15	8,250	5	2,750
4	Nusery School / Primary				200	45	9,000	15	3,000
5	Staff				200	45	9,000	15	3,000
6	Filter Backwash						20,000		-
7	Make-up water for swimming Pool						10,000		-
8	Horticulture			9,500		6	58,710	100%	58,710
					Total		747,162		232,382

Summary of Water Requirement

Total Permanent Population	=	3,665	Persons	
Total Domestic Water Requirement	=	747,162	Liter/Day	
Total Recycle Water Requirement	=	232,382	Liter/Day	
<u>Net Domestic Water Requirement</u>	=	514,780	Liter/Day	
Total Sewage Load (total domestic water required- horticulture-s.pool makeup -	=	658,452	Liter/Day	
Net Sewage Flow	75% of total sewage load	=	493,839	Liter/Day
Sewage Treatment Plant Capacity required	=	500	KLD	265 kld x 2
Total Recycle Water Required	=	232,382		
Net Water balance (to Domestic into drangeage system)	=	261,457		
UGT Capacity (for Domestic Use)= 16 hrs Storage	=	343,187		349
UGT Capacity (for Fire Fighting)	=			346
Total UGT Capacity (Domestic + Fire)	=			695