



To
The Executive Engineer,
HSVP, Division No.- 6
Gurugram

Date:-30.01.2019

Subject:- Approval of the Service Plan Estimate of the Affordable Group Housing Colony on the land measuring 5.11875 Acres in Sector- 70A, Gurugram being developed by Pyramid Infratech Pvt. Ltd.

Dear Sir,

With reference to the above mentioned subject, we hereby submitting Six sets of the service plan estimate for your consideration please.

Kindly do the needful and oblige.

Thanking you,

Yours truly,

For Pyramid Infratech Pvt. Ltd.


Authorised Signatory

For Pyramid Infratech Pvt. Ltd.

Cc:- Director, Town & Country Planning, Haryana, Chandigarh


30-01-2019
Executive Engineer
HSVP Division No. VI
Gurugram

PYRAMID INFRATECH PVT. LTD.

Registered Office: H-38, Ground Floor, M2K White House, Sector-57, Gurugram: 122002 (Haryana)

Corporate Office : 217A-217B, 2nd Floor, Sun City Business Tower, Sector-54, Golf Course Road, Gurugram-122002 (Haryana)

CIN : U45400HR2008PTC038509 PAN : AAACP8801B

Ph. No. : 0124 - 4274045, +91-99 1197 1197 customercare@pyramidinfratech.com • www.pyramidinfratech.com

<p>PROJECT REPORT / ESTIMATES FOR PROVIDING INTERNAL SERVICES e.g. WATER SUPPLY, FIRE, SEWERAGE & STORM WATER DRAINAGE ETC. IN RESPECT OF RESIDENTIAL PROJECT AFFORDABLE GROUP HOUSING COLONY OVER AN AREA LAND MEASURING 5.11875 ACRES, VILLAGE PALRA SECTOR - 70-A, GURGAON (HARYANA)</p>					
<p>Gurgaon 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) Gurgaon district, comprising four blocks Pataudi, Sohna, Gurgaon and Farrukhnagar, was created on 15 August, 1979. On its north, it is bounded by the district of Rohtak and the Union Territory of Delhi. Faridabad district lies to its east. On its south, the district shares boundaries with the district of Mewat. To its west lies the district of Rewari and the State of Rajasthan. Gurgaon is situated between the Himalayas and Aravalis mountain ranges. It is surrounded on three sides by Haryana and to the east, across the river Yamuna by Uttar Pradesh. Its greatest length is around 13 miles and the greatest breadth is 17 miles. Delhi's altitude ranges between 213 to 305 meters above sea level.</p>					
<p>RESIDENTIAL PROJECT AFFORDABLE GROUP HOUSING COLONY OVER AN AREA LAND MEASURING 5.11875 ACRES, VILLAGE PALRA SECTOR - 70-A, GURGAON (HARYANA) IS BEING DEVELOPED BY M/s FINIAN ESTATES DEVELOPERS PVT. LTD IN COLLABORATIONS WITH M/S PYRAMID INFRATECH PVT.LTD AND OTHERS.</p>					
<p><u>Water Supply</u></p>					
<p>The source of water supply shall be HUDA water supply connection. It has been proposed to construct underground tanks of capacity as per attached detail for domestic and other purpose. The underground tanks will be filled up from the riser and then pumped to the overhead water tanks of each tower.</p>					
<p>1 <u>Source</u></p>					
<p>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 30000 lph per hour. The recharging of under ground water table in this belt is stated to be good. However still we shall resort to rain water harvesting system to keep up the recharging system. The number of tubewells required for the above area has been worked out to 2 Nos and the tubewells will be bored in tune with growth of demand to avoid absolence of the tubewells. The ultimate requirement of tubewells includes provision of 10% standby.</p>					
<p>2 <u>Pumping Equipments</u></p>					
<p>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 generator.</p>					
<p>3 <u>Sewerage</u></p>					
<p>This scheme is designed for sewer connecting to the proposed sewage treatment. The sewerage system has been marked on the respective plans.</p>					
<p>The sewer lines have been designed for 3 times average DWR in relation to the water supply demand assuming that 80% of the domestic water supply shall find its way into the proposed sewer SW pipe sewers have been proposed designed to run half full. The sewers have been designed on 0.75 mtr. per second velocity ie. Self cleansing velocity. Necessary provisions for laying SW pipes manholes etc. has been made in this estimate.</p>					
<p>Necessary design statement for entire sewerage system has been prepared and attached with estimate.</p>					

4	<u>Storm Water Drainage</u>					
	The storm water drain is being designed to carry 6.25 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 pipe drain with minimum 300 mm dia is proposed in this area.					
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 rates.					
10	<u>Cost</u>					
	The total cost of development in this Project including various PH & B & R services works out to Rs. 363.64 lacs which includes 3% contingency and PE charges and 14% departmental charges also.					
	The cost per gross acre for this phase works out to Rs. 71.04 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 expansion whatsoever indicated.					
	Authorised Signatory					

<u>AFFORDABLE GROUP HOUSING. SECTOR - 70-A. GURGAON (HARYANA)</u>						
	<u>DESIGN CALCULATION</u>					
1	Daily Domestic Water Requirement					
	Nos. of Towers			7		
a)	No of APARTMENTS			738		
	Population @ 5 person per unit - Apartment			5		
	Total Apartment Population			3690	persons	
	Total Population			3690	persons	
	Water requirement for apartment		@	172.5	liter / head / day	
	Total Water Requirement for Apartmants			636525	litres/day	
				636525	litres/day	
	For Apartments		or	650	KLD	(i)
2	Other Requirement					
a)	Anganwari (Area 185.810 Sq-m)		@	10000	lit/day	
	Therefore daily water requirement			10000	lit/day	
				10	KLD	
b)	Community Building (Area 185.810 Sq-m)		@	30	lit/day	
	Therefore daily water requirement	103.2278		3097	lit/day	
				3	KLD	
c)	Commercial (Area 828.593 Sq-m)		@	30	lit/day	
	Therefore daily water requirement	828.593		24857.79	lit/day	
				24.8	KLD	
			Total	38	KLD	(ii)

3	Total Daily Water Requirement (i+ii)			688	KLD	
i)	Domestic Water Requirement @	65%		447	KLD	
			Say	450	KLD	
ii)	Flushing Water Requirement @	35%		241	KLD	
			Say	250	KLD	
4	Water usage from STP					
a)	Area under Parks (4357.481sq. mtrs)	1.08	acre			
	Daily water requirement			@ 25000	lit/acre/day	
				26924.62	lit/day	
				26.92	KLD	
b)	Area under Roads = 0.5Acres					
	Daily water requirement			25000	lit/acre/day	
	Here its 1.334 Acres			33350	lit/day	
				33.5	KLD	
c)	Under Road+ Parks (a+b)		Total	60.42	KLD	
			Say	60	KLD	
d)	Total treated water requirement [3 (ii) + c]			310	KLD	
	Total Daily Requirement [3 (i) + d]			310	KLD	

I	Tubewell					
	Assuming working hours of tubewells				10	hours
	Assuming discharge/hour of each tubewell				14	KL/hour
	Total fresh water demand				450	KLD
	No. of tubewells required	450	/10/14		3.21	
	Add 10% standby				0.32	
			Total		3.54	
			Say		4	
It is proposed to provide (i.e. 3 No.) to cater the present requirement						
II	Pumping machinery for tubewell					
	Gross working load		=		65.00	m
	Average fall in SL		=		3.05	m
	Depression head		=		6.10	m
	Friction loss in main		=		2.50	m
			=		76.65	m
		Say	=		77.00	m
	BHP = 30000x77x1/60x60x75x0.6		=		14.26	BHP
	With 60% efficiency	Say			15.00	BHP
III	Underground Tank					
	Daily fresh water requirement for domestic use				=	450.00 KL
	Capacity of under ground tank					
	24 hours storage				=	450.00 KL
	Fire Tank Capacity Proposed As / IS Code 15105				=	300.00 KL
			Proposed		=	750.00 KL
			Total			750 KL
It is proposed to provide under ground tank of capacity 750KL which also includes 300 KL capacity for fire fighting.						
This tank will have Six compartments, two for fire, two 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				300.00	KL
	TOTAL UG STORAGE (DOMESTIC + FLUSHING + HORTICULTURE)				750.00	KL
	RAW WATER TANK				225.00	KL
	DOMESTIC WATER TANK				225.00	KL
	FLUSHING, HORTICULTURE & ROAD WASHING (PART OF STP)				300.00	KL

IV DOMESTIC WATER PUMPS - LOCATED IN PUMP ROOM						
a.) Domestic Water Transfer Pumps						
i) For Towers						
Daily requirement for domestic use				=	450.00	KL
Assuming 6 hours running 4 pumps (with one standby)						
Discharge/hour	450.00	/ 6 / 4		=	18.75	KL/HR
Head of pump						
i) Suction lifts				=	0.0	m
ii) Friction loss in M<main & specials				=	5.0	m
iii) Residual head				=	5.0	m
iv) Clear head				=	60.0	m
				=	70.0	m
BHP of motor	18.75	x1000x70/4500x60x0.60			8.1	HP
		SAY		=	8.5	HP

5 PUMPS FOR FIRE PROECTION						
	Pump Description	Location	Nos.	Discharge	Head	HP
i)	Diesel Driven Pump	Pump Room	1	2280	85.00	
ii)	Hydrant Pump	Pump Room	1	2280	85.00	75
iv)	Jockey Pump for Hydrant	Pump Room	1	180	85.00	7.5
	Capacity of Gen Set		Nos.	HP		
	Domestic Water Transfer Pumps for Towers		4	15.0	=	60 HP
	Fire Pump (Jockey)		1	25.0	=	7.5 HP
	Tubewell		2	15.0	=	15 HP
	Lighting				=	25 HP
						108 HP
		or	108	x0.746x1.50		120.00 KVA
				Say		125.00 KVA
Requirement of 125 KVA capacity will be added in to the main D.G. set to provide standby supply.						

Estimate for Providing in Internal Development works					
COST OF SUMMARY				Amount (Lacs.)	Amount (Lacs.)
Sub Work - I Water Supply					125.17
a)	Water Supply			69.57	
b)	Security and Fire fighting services			20.37	
c)	Underground Tank			35.23	
Sub Work - II Sewerage					98.96
a)	Sewerage			34.38	
b)	STP			64.58	
Sub Work - III Storm Water Drainage					52.52
a)	Storm Water Drainage			42.73	
b)	Rain Water Harvesting			9.79	
Sub Work - IV Roads & Footpath					45.01
a)	Roads and Pavements			37.08	
b)	Parking			7.93	
Sub Work - V Street Lighting					7.51
Sub Work - VI - Horticulture					6.07
Sub Work - VII - Maintenance of Services for 5 years including resurfacing of roads after 1st 5 years & II phase i.e. 10 years of maintenance (as per HUDA norms)					28.40
GRAND TOTAL					363.64
(RUPEES THREE CRORE SIXTY THREE LACS AND SIXTY FOUR THOUSAND ONLY)					
Authorized Signatory					

FINAL ABSTRACT OF REVISED COST

	Amount (Lacs.)	Amount (Lacs.)
Sub Head - (I) Head Works		45.90
Sub Head - (II) Pumping Machinery		17.80
Sub Head - (III) Distribution System		19.33
Sub Head - (IV) Irrigation Scheme		6.22
Sub Head - (V) Fire Scheme		17.35
	Total	106.60
Add 3% Contingencies		3.20
	Total	109.80
Add 14% Departmental Charges		15.37
	Grand Total	125.17
(CO to final abstract of cost)	Say	125.17

	Sub Work I				Water Supply	
	Sub Head No. I				Head Works	
S. No.	Description	Unit	Qty	Rate	Amount	
					Rs. (lacs)	
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	400000.00	8.00	
2	Constructing pump chambers as per standard design of PWD PH/HUDA of size 1.50x1.50 m.	Nos.	2	45000.00	0.90	
3	Construction of boosting chambers of suitable size along with under ground tank of capacity 750 KL pumping machinery and generating set etc. complete in all respects.					
	Details of boosting station					
i)	construction of boosting chamber	LS	-	-	7.50	
ii)	UG tank 750 KL capacity incl. 300 KL for fire fighting in two compartments @ 3000 / KL.	KL	750	3000	22.50	
4	Provision for carriage of material and other unforeseen items.	LS	-	-	2.00	
5	Provision for facilities staff for Maintenance	LS	-	-	5.00	
	(C.O. to abstract of cost of Sub-work No.I)				45.90	Lacs
				Say	45.90	Lacs
	Note: Point 3(i) (ii) included in Underground Tank					

Sub Work I				Water Supply	
Sub Head No. II				Pumping Machinery	
S. No.	Description	Unit	Qty	Rate	Amount
					(in Lakhs)
1 (i)	Providing and installing electricity driven electro or submersible pumping set capable of delivering about 14.0 KL water per hour against a total head of 77 M complete with motor and other accessories. (For Tubewell -15.0 HP)	Nos.	2	75000.00	1.50
(ii)	Providing & installing electricity driven pumping set capable of delivering 320 LPM of water against a total head of 70 m complete with motor and other accessories (For Domestic - 15.0 HP)	Nos.	3	70000.00	2.10
2	Provision for diesel engine generator set each for standby Arrangements for booster pump complete with gear haed arrangements of following capacities.				
	1 No. - 125 KVA	Nos.	1	275000.00	2.75
3	Providing & installing pumping set of following capacities for fire protection:				
i)	180 LPM @ 85 M Head (7.5 HP)	Nos.	1	75000.00	0.75
ii)	2280 LPM @ 85 M Head (75HP) Hydrant	Nos.	1	350000.00	3.50
v)	2280 LPM @ 85 M Head (DG Pump)	Nos.	1	400000.00	4.00
5	Provision for cheap pressure type chlorination plant complete	Nos.	1	50000.00	0.50
6	Provision for making foundations & erection of pumping machinery	LS	-	-	0.70
7	Provision for pipes, valves & specials inside the pump chamber	LS	-	-	1.25
8	Provision for electric services connection including electric fittings for tubewells chambers complete	LS	-	-	1.50
9	Provision for carriage for materials and other unforeseen items	LS	-	-	0.75
	(C.O. to abstract of cost of Sub-work No.I)				17.80
				Say	17.80

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 G.I. pipes including cost of excavation complete as per ISI marked.					
i)	80 mm dia	M	50	950.00	47500.00	
ii)	100 mm dia	M	800	1200.00	960000.00	
2	Providing, fixing & Testing Sluice valves including cost of complete in all respects.					
ii)	80 mm i/d	Nos.	7	10000.00	70000.00	
iii)	100 mm i/d	Nos.	4	12000.00	48000.00	
iv)	150 mm i/d	Nos.	1	15000.00	15000.00	
4	Providing, fixing & Testing Non Return valves (NRV) 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.	6	10000.00	60000.00	
6	Providing and fixing indicating plates for sluice valve, air valve etc.	Nos.	10	1000.00	10000.00	
7	Provision for carriage of material	LS	-	-	150000.00	
8	Provision for cutting the roads and making to its original conditions.	LS	-	-	150000.00	
9	Making water supply connection.	LS	-	-	250000.00	
10	Provision for rising main from tubewells to UG Tank					
i)	150 mm i/d	M	75	1350.00	101250.00	
ii)	200 mm i/d	M	25	1900.00	47500.00	
(C.O. to abstract of cost of Sub-work No.I)					1933250.00	
				Say	19.33	Lacs

	Sub Work I				Water Supply	
	Sub Head No. IV				Irrigation	
S. No.	Description	Unit	Qty	Rate	Amount (Rs.)	
1	Providing, laying, jointing & testing uPVC pipe line confirming to IS 4985 including cost of Excavation etc. complete in all respect.					
i)	80 mm dia	M	875	600.00	525000.00	
2	Providing and fixing 20mm dia Irrigation hydrant valve complete in all respect.	Nos.	30	800.00	24000.00	
3	Providing, fixing & Testing Sluice valves including cost of complete in all respects.					
i)	80 mm i/d	Nos.	4	4750.00	19000.00	
4	Providing and fixing air valves and scour valves including cost of complete in all respects.	Nos.	2	4500.00	9000.00	
5	Provision for carriage of materials etc. and other unforeseen charges	LS	-	-	15000.00	
6	Provision for cutting of roads & making good to its in original condition	LS	-	-	30000.00	
			Total		622000.00	
			Say		6.22 Lacs	

Sub Work I					
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	725	1500.00	1087500.00
b)	80 mm dia	M	160	950.00	152000.00
2	Providing and fixing External Fire Hydrants complete with masonry chambers.	Nos.	15	10000.00	150000.00
3	Providing & fixing valve 150mm dia				
a)	150 mm dia	Nos.	1	15000.00	15000.00
b)	80 mm dia	Nos.	15	10000.00	150000.00
4	Providing, fixing & Testing Non Return valves (NRV) including cost of complete in all respects.				
i)	80 mm i/d	Nos.	15	5000.00	75000.00
5	Provision for cutting of roads and carriage of materials etc. and other unforeseen charges	LS	-	-	40000.00
6	Provision for indication plates	Nos.	15	1000.00	15000.00
7	Provision for carriage of material	LS	-	-	50000.00
			Total		1734500.00
			Say		17.35 Lacs
	Note: This head Included in Fire fighting services				

Sub Work II			Sewerage Scheme			
S. No.	Description	Unit	Qty	Rate	Amount (Rs.)	
1	Providing, lowering, jointing, cutting salt glazed stone ware pipes and specials into trenches including cost of excavation, bed concrete complete.					
i)	200 mm i/d					
a)	Average depth 1.5 m to 4.5 m	M	625	1800.00	1125000.00	
ii)	250 mm i/d					
a)	Average depth 1.5 m to 4.5 m	M	225	1700.00	382500.00	
2	Provision for lighting, watching and temporary diversion of traffic	LS	-	-	100000.00	
3	Construction of sewerage manhole of sizes					
	a 900mm dia	Nos.	50	12000.00	600000	
	b 1200mm dia	Nos.	28	15000.00	420000	
3	Provision for cutting of roads and carriage of materials etc. and other unforeseen charges	LS	-	-	100000.00	
4	Provision for connection with HUDA	LS	-	-	200000.00	
5	Cost of 550 Kld Sewerage Treatment Plant.	LS	-	-	5500000.00	
6	Provision for CI / DI pipe 150 mm dia pipe from STP. To Huda Main Line.	LS	-	-	1.50	
					8427501.50	
	Add 3% contingencies				252825.045	
					8680326.55	
	Add 14% Deptt. Charges				1215245.716	
				Total	9895572.26	
	(C.O. to abstract of cost of Sub-work No. 1)			Say	98.96	Lacs
	Note: Point no. 5 included under STP Cost.					

Sub Work - III		Storm Water Drain				
S. No.	Description	Unit	Qty	Rate	Amount (Rs.)	
1	Providing, lowering, jointing, cutting RCC NP ₃ pipes and specials into trenches including cost of excavation cost of manholes, ventilating chambers etc. complete in all respects.					
iii)	400 mm i/d					
a)	Average depth upto 1.5 m	M	0	2000.00	0.00	
b)	Average depth 1.5 m to 4.5 m	M	995	2150.00	2139250.00	
2	Constructio of manhole of sizes					
	a 900mm dia	Nos.	57	12000.00	684000	
	b 1200mm dia	Nos.	10	15000.00	150000	
2	Provision for Road Gully & Drain	LS	-	-	250000.00	
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	3	150000.00	450000.00	
5	Provision for lighting, watching and temporary diversion of traffic	LS	-	-	500000.00	
6	Provision for connection with HUDA	LS	-	-	150000.00	
					4473250.00	
	Add 3% contingencies				134197.50	
					4607447.50	
	Add 14% Deptt. Charges				645042.65	
			Total		5252490.15	
	(C.O. to abstract of cost of Sub-work No. 1	SAY			52.52 Lacs	
	Note: Point No. 2 included under rain water harvesting					

Sub Work IV					Road Work	
S. No.	Description	Unit	Qty	Rate	Amount (Rs.)	
1	Provision for leveling & earth filling as per site condition 5.11875 acres @ 125000/acre	Acres	5.119	100000	511875.00	
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) 4050 sqm.X0.10 m - 405 cum @ 950/ cum	Cu. mtr.	405	800	324000.00	
	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) 4050 sqm.X0.10 m - 405 cum say 704 cum @ 950/cum	Cu. mtr.	405	800	324000.00	
	iii) 25mm thick pre-mix carpet with seal coat 4050 sqm. @ 265/ sqm	Sq. mtr.	4050	265	1073250.00	
3	Provision for making approach and pavement to building block by providing concrete pavement or tiles. Etc. 1350 sqm. @ 500 / sqm.	Sq. mtr.	1350	500	675000.00	
4	Provision for parking arrangement 1350sqm.@ 500/sqm	Sq. mtr.	1350	500	675000.00	
5	Provision for Carriage of material	LS.		100000.00	100000.00	
6	Provision for traffic lighting and guide map/ indicators	LS.		150000.00	150000.00	
			Total		3833125.00	
	Add 3% contingencies				114993.75	
					3948118.75	
			Total		39.48 Lacs	
	Add 14 % department charges				5.53 Lacs	
		SAY			45.01 Lacs	
	Note: Point 4 included in Parking					

	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	5.119	125000.00	639843.75	
	Add 3% contingencies				19195.31	
	Total				659039.06	
	Add 14% Deptt. Charges				92265.46875	
			Total		751305.00	
		SAY			7.51	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 water including cost of imported earth & manure.				
	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)				
	5.11875 acres @ Rs. 0.90 lacs.	per acre	5.119	90000.00	460,688
	75 trees @ Rs. 750/- each				56,250
					516937.50
	Add 3% contingency charges				15508.13
				Total	532445.63
	Add 14% Deptt. Charges				74542.39
				Total	606988.01
			say		6.07 Lacs

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 drainage, roads, street light, horticulture etc. complete including operation & establishments charges as per HUDA norms after completion & resurfacing of roads after 10 years or 1st phase.				
	5.11875 acres @ 2.5 lacs per acre	per acre	5.119	250000.00	1279687.5
2	Provision for resurfacing & strengthening of road after five years 3037 sqm @ 250/- per sqm	Sq. mtr.	3037	250	759250.00
3	Provision for resurfacing & strengthening of road after ten years of 2 nd phase 3037 sqm @ 125/- per sqm	Sq. mtr.	3037	125	379625.00
				Total	2418562.5
	Add 3% contingency & PE charges				72556.875
				Total	2491119.375
	Add 14% Departmental charges				348756.7125
				Total	2839876.09
			say		28.40 Lacs

PROJECT :- GURGAON-70A (5.11875 ACRE)																	
TITLE	LOAD ON WATER NODAL POINTS.																
Nodal Point	PLOTS (GENERAL)			PLOTS (EWS)			Future Load			Water Requirement for Non Residential Plots.				Gross Water Requirement (Load on Line)	Gross Water Requirement (Load on Line)		
	Nos.	Populati on @	Water Reuirement @ 172.5 Ltr/ head / day	Nos.	Populati on @ 13.5 & 9 persons / Plot	Water Reuirement @ 172.5 Ltr/ head / day	Future Area	Populati on @ 100 Persons / Acre	Water Reuirement @ 172.5 Ltr/ head / day	Area	TYPE OF BUILDING	Basis of Water Requirement	Total Water Requirement.			Gross Water Requirement (Load on Line)	Gross Water Requirement (Load on Line)
		Nos.	LPD		Nos.	LPD	Acres	Nos.	LPD	Acres		LPD	LPD			LPD	KLD
UGT	0	0.0	0											0	0.00		
A	112	560.0	96600						0.205	COMMERCIAL	25000	5119	101719	101.72			
B	70	350.0	60375								lumpsum		60375	60.38			
C	56	280.0	48300						0.049	COMMUNITY /ANGANWARI	67	2995	51295	51.30			
D	56	280.0	48300									0	48300	48.30			
E	70	350.0	60375										60375	60.38			
F	50	250.0	43125										43125	43.13			
G	22	110.0	18975										18975	18.98			
H	70	350.0	60375										60375	60.38			
I	82	410.0	70725										70725	70.73			
J	72	360.0	62100										62100	62.10			
H	35	175.0	30187.5										30188	30.19			
H	43	215.0	37087.5										37088	37.09			
TOTAL	738	3690	636525.00	0	0	0	0.00	0	0	0.254				644639	644.64		
														SAY	650KLD		

SEWERAGE DESIGN FOR AT GURGAON-70-A (5.11875 ACRE)

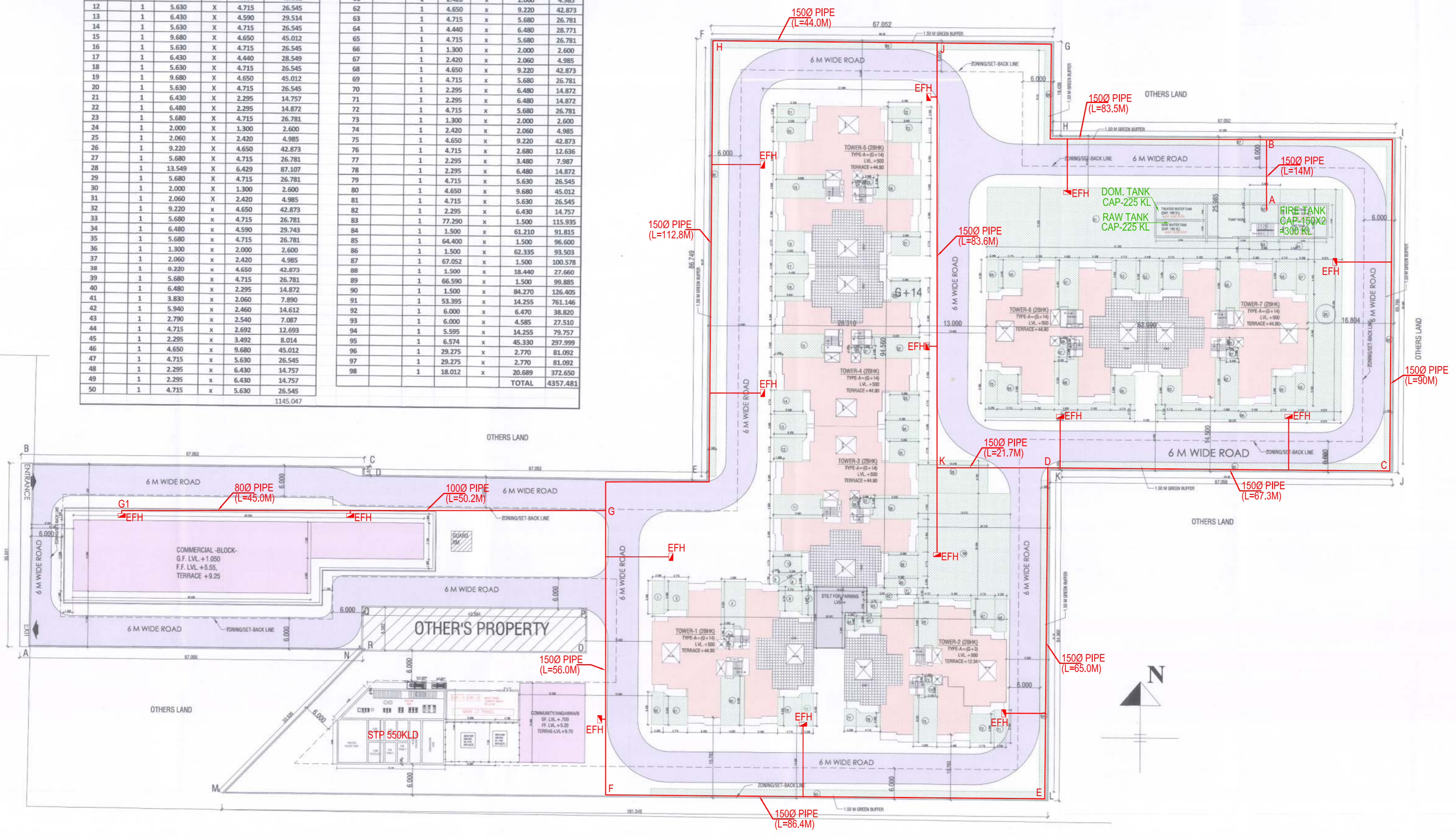
LINE		Plots		Villa		Total Water Requirement. @ 172.5 lpcd	Av. Sewer load 80% of Water requirement	Peak Load @ 3X Av. Load	Subsoil Infiltration @25% of Av Load	Self Discharge	Branch Discharge	Total Discharge	Total Discharge	Length of line	Dia of Pipe	Slope 1 IN	Fall in Line	Velocity In	Capacity of Pipe	CHECK FOR CARRYING CAPACITY	Ground Lvl. at Start	Invert Lvl at Start	Ground Lvl at End	Invert Lvl at End	
FROM	TO	No of Plots/area	Population @ person per Plot	COMMERCIAL & COMMUNITY	Population @ per Plot		Self																		
						LPD	LPD	LPD	LPD	LPD	LPD	LPS	Mtr	MM		Mtr	m/sec	lps		mtr	mtr	mtr	mtr		
1	3	112	560	0	0	0	96600	77280	231840	19320	251160	0	251160	2.91	86.8	200	190	0.46	0.76	11.90	OK	100.00	99.00	100.00	98.54
2	3	112	560	0	0	0	96600	77280	231840	19320	251160	0	251160	2.91	60	200	190	0.32	0.76	11.90	OK	100.00	99.00	100.00	98.68
3	4	0	0	0	0		0	0	0	0	0	502320	502320	5.81	12.8	200	190	0.07	0.76	11.90	OK	100.00	98.54	100.00	98.48
4A	4	70	350	0	0		60375	48300	144900	12075	156975	0	156975	1.82	63.8	200	190	0.34	0.76	11.90	OK	100.00	99.00	100.00	98.66
4	5	222	1110	0	0		191475	153180	459540	38295	497835	659295	1157130	13.39	149	250	225	0.66	0.81	19.83	OK	100.00	98.48	100.00	97.81
5A	5	222	1110	0	0		191475	153180	459540	38295	497835	0	497835	5.76	148.1	200	190	0.78	0.76	11.90	OK	100.00	99.00	100.00	98.22
5	6	0	0	0	0		0	0	0	0	0	1654965	1654965	19.15	8.5	250	225	0.04	0.81	19.83	OK	100.00	97.81	100.00	97.78
6A	6C	0	0	276.2	92		4143	3314	9943	829	10772	0	10772	0.12	111.8	200	190	0.59	0.76	11.90	OK	100.00	99.00	100.00	98.41
6B	6C	0	0	0	0		0	0	0	0	0	0	0	0.00	102.5	200	190	0.54	0.76	11.90	OK	100.00	99.00	100.00	98.46
6C	6	0	0	0	0		0	0	0	0	0	10772	10772	0.12	31.5	200	190	0.17	0.76	11.90	OK	100.00	98.41	100.00	98.25
6	7	0	0	66.56	22		998	799	2396	200	2596	1665737	1668333	19.31	39.4	250	225	0.18	0.81	19.83	OK	100.00	97.78	100.00	97.60
7	STP	0	0	0	0		0	0	0	0	0	1668333	1668333	19.31	8	250	225	0.04	0.81	19.83	OK	100.00	97.60	100.00	97.57

Vertical line on the left side of the page.

GREEN AREA CALCULATION:				
RECT.	NOS	L	B	AREA IN SQM.
1	1	2.295	X 6.480	14.872
2	1	4.715	X 5.680	26.781
3	1	4.650	X 9.220	42.873
4	1	2.420	X 2.060	4.985
5	1	1.300	X 2.000	2.600
6	1	4.715	X 4.741	22.354
7	1	2.295	X 5.542	12.719
8	1	5.338	X 2.295	12.251
9	1	1.092	X 1.756	1.918
10	1	5.630	X 4.715	26.545
11	1	9.680	X 4.650	45.012
12	1	5.630	X 4.715	26.545
13	1	6.430	X 4.590	29.514
14	1	5.630	X 4.715	26.545
15	1	9.680	X 4.650	45.012
16	1	5.630	X 4.715	26.545
17	1	6.430	X 4.440	28.549
18	1	5.630	X 4.715	26.545
19	1	9.680	X 4.650	45.012
20	1	5.630	X 4.715	26.545
21	1	6.430	X 2.295	14.757
22	1	6.460	X 2.295	14.872
23	1	5.680	X 4.715	26.781
24	1	2.000	X 1.300	2.600
25	1	2.060	X 2.420	4.985
26	1	9.220	X 4.650	42.873
27	1	5.680	X 4.715	26.781
28	1	13.549	X 6.429	87.107
29	1	5.680	X 4.715	26.781
30	1	2.000	X 1.300	2.600
31	1	2.060	X 2.420	4.985
32	1	9.220	X 4.650	42.873
33	1	5.680	X 4.715	26.781
34	1	6.480	X 4.590	29.743
35	1	5.680	X 4.715	26.781
36	1	1.300	X 2.000	2.600
37	1	2.060	X 2.420	4.985
38	1	9.220	X 4.650	42.873
39	1	5.680	X 4.715	26.781
40	1	6.480	X 2.295	14.872
41	1	3.830	X 2.060	7.890
42	1	5.940	X 2.460	14.612
43	1	2.790	X 2.540	7.087
44	1	4.715	X 2.692	12.693
45	1	2.295	X 3.492	8.014
46	1	4.650	X 9.680	45.012
47	1	4.715	X 5.630	26.545
48	1	2.295	X 6.430	14.757
49	1	2.295	X 6.430	14.757
50	1	4.715	X 5.630	26.545
				1145.047

51	1	4.650	X 9.680	45.012
52	1	4.715	X 5.630	26.545
53	1	4.440	X 6.430	28.549
54	1	4.715	X 5.630	26.545
55	1	4.650	X 9.680	45.012
56	1	4.715	X 5.630	26.545
57	1	2.295	X 6.430	14.757
58	1	2.295	X 6.480	14.872
59	1	4.715	X 5.680	26.781
60	1	1.300	X 2.000	2.600
61	1	2.420	X 2.060	4.985
62	1	4.650	X 9.220	42.873
63	1	4.715	X 5.680	26.781
64	1	4.440	X 6.480	28.771
65	1	4.715	X 2.000	2.600
66	1	1.300	X 2.060	4.985
67	1	2.420	X 9.220	42.873
68	1	4.650	X 9.220	42.873
69	1	4.715	X 5.680	26.781
70	1	2.295	X 6.480	14.872
71	1	2.295	X 6.480	14.872
72	1	4.715	X 5.680	26.781
73	1	1.300	X 2.000	2.600
74	1	2.420	X 2.060	4.985
75	1	4.650	X 9.220	42.873
76	1	4.715	X 2.680	12.636
77	1	2.295	X 3.480	7.987
78	1	2.295	X 6.480	14.872
79	1	4.715	X 5.630	26.545
80	1	4.650	X 9.680	45.012
81	1	4.715	X 5.630	26.545
82	1	2.295	X 6.430	14.757
83	1	77.290	X 1.500	115.935
84	1	1.500	X 61.210	91.815
85	1	64.400	X 1.500	96.600
86	1	1.500	X 62.335	93.503
87	1	67.052	X 1.500	100.578
88	1	1.500	X 18.440	27.660
89	1	66.590	X 1.500	99.885
90	1	1.500	X 84.270	126.405
91	1	53.395	X 14.255	761.146
92	1	6.000	X 6.470	38.820
93	1	6.000	X 4.585	27.510
94	1	5.595	X 14.255	79.757
95	1	6.574	X 45.330	297.999
96	1	29.275	X 2.770	81.092
97	1	29.275	X 2.770	81.092
98	1	38.012	X 20.689	372.600
TOTAL				4357.481

LEGEND :	
—	FIRE LINE
EFH	EXTERNAL FIRE HYDRANT



24 M WIDE ROAD

24 M WIDE ROAD

SITE PLAN

SCALE - 1:400

NOTE:- GATE & B/WALL AS PER STD. DESIGN

LEGEND	
—	INTERNAL ROAD
—	PARKING AREA
—	GREEN AREA
—	COMMERCIAL AREA
—	RESIDENTIAL
—	ANGWARI/COMMUNITY/COMMERCIAL

ADFC (HQ)
DPS PA
Members P.C.
(RAMAKRISHNA)
A.D.

PROPOSED BUILDING PLAN OF
AFFORDABLE GROUP HOUSING
COLONY OVER AN AREA
LAND MEASURING - 5.11875 ACRES
(LIC. No. 84 Dated. 10.12.2018)
VILLAGE- PALRA, SECTOR-70-A,
DISTT. GURUGRAM BEING DEVELOPED
BY M/S - SUNIRAM ESTATES DEVELOPERS
PVT. LTD. IN COLLABORATION WITH
M/S - PYRAMID INFRA TECH PVT. LTD.

FIRE FIGHTING LAYOUT

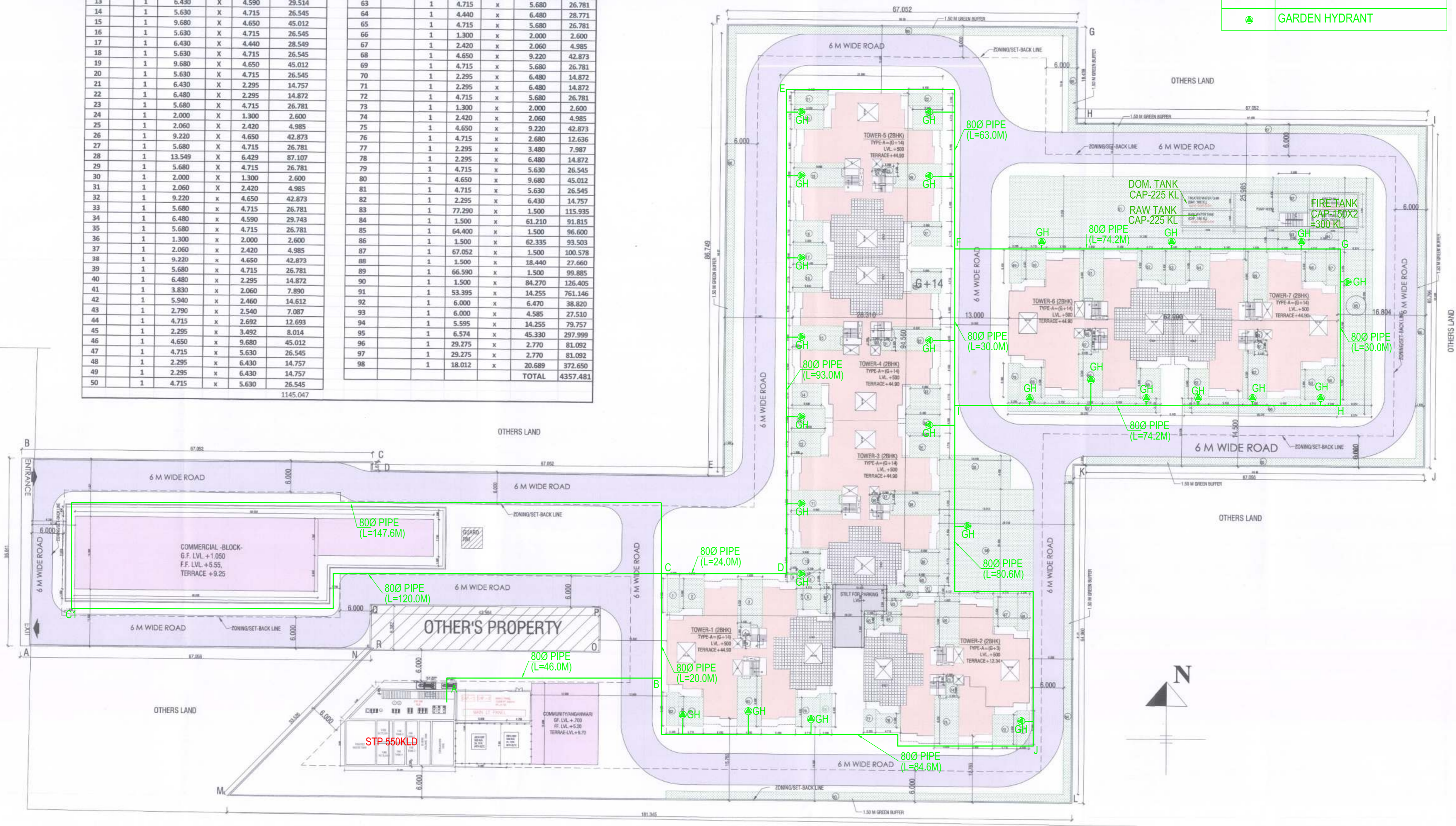
DRG. TITLE	SITE PLAN
DETAIL OF GREEN AREA	
ENGINEER SIGNATURE	
OWNER'S SIGNATURE	
Pyramid Infotech Pvt. Ltd. Director	
ARCHITECT'S SIGNATURE	

Checked and Approved for Public Health
Engineer (Public Health)
Gurgaon
RA-5020
DATE: 25/11/2018
DRG. NO. A-3/11
DATE: DEC - 2018
DRAWN BY: RAMADU
CHKD BY: V.S. RAO
ARCHITECTS
RAO AND ASSOCIATE
ARCHITECTS PLANNERS ENGINEERS INTERIORS VALUERS
374 JUDYOG VIHAR PHASE - 4, SEC - 18 GURGAON HARYANA (INDIA)
PH. (0124) - 2347706, 2347707 FAX 0124 - 2347797

GREEN AREA CALCULATION:					
RECT.	NOS	L	B	AREA IN SQM.	
1	1	2.295	X	6.480	14.872
2	1	4.715	X	5.680	26.781
3	1	4.650	X	9.220	42.873
4	1	2.420	X	2.060	4.985
5	1	1.300	X	2.000	2.600
6	1	4.715	X	4.741	22.354
7	1	2.295	X	5.542	12.719
8	1	5.338	X	2.295	12.251
9	1	1.092	X	1.756	1.918
10	1	5.630	X	4.715	26.545
11	1	9.680	X	4.650	45.012
12	1	5.630	X	4.715	26.545
13	1	6.430	X	4.590	29.514
14	1	5.630	X	4.715	26.545
15	1	9.680	X	4.650	45.012
16	1	5.630	X	4.715	26.545
17	1	6.430	X	4.440	28.549
18	1	5.630	X	4.715	26.545
19	1	9.680	X	4.650	45.012
20	1	5.630	X	4.715	26.545
21	1	6.430	X	2.295	14.757
22	1	6.480	X	2.295	14.872
23	1	5.680	X	4.715	26.781
24	1	2.000	X	1.300	2.600
25	1	2.060	X	2.420	4.985
26	1	9.220	X	4.650	42.873
27	1	5.680	X	4.715	26.781
28	1	13.549	X	6.429	87.107
29	1	5.680	X	4.715	26.781
30	1	2.000	X	1.300	2.600
31	1	2.060	X	2.420	4.985
32	1	9.220	X	4.650	42.873
33	1	5.680	X	4.715	26.781
34	1	6.480	X	4.590	29.743
35	1	5.680	X	4.715	26.781
36	1	1.300	X	2.000	2.600
37	1	2.060	X	2.420	4.985
38	1	9.220	X	4.650	42.873
39	1	5.680	X	4.715	26.781
40	1	6.480	X	2.295	14.872
41	1	3.830	X	2.060	7.890
42	1	5.940	X	2.460	14.612
43	1	2.790	X	2.540	7.087
44	1	4.715	X	2.692	12.693
45	1	2.295	X	3.492	8.014
46	1	4.650	X	6.680	30.930
47	1	4.715	X	5.630	26.545
48	1	2.295	X	6.430	14.757
49	1	2.295	X	6.430	14.757
50	1	4.715	X	5.630	26.545
1145.047					

51	1	4.650	X	9.680	45.012
52	1	4.715	X	5.630	26.545
53	1	4.440	X	6.430	28.549
54	1	4.715	X	5.630	26.545
55	1	4.650	X	9.680	45.012
56	1	4.715	X	5.630	26.545
57	1	2.295	X	6.430	14.757
58	1	2.295	X	6.480	14.872
59	1	4.715	X	5.680	26.781
60	1	1.300	X	2.000	2.600
61	1	2.420	X	2.060	4.985
62	1	4.650	X	9.220	42.873
63	1	4.715	X	5.680	26.781
64	1	4.440	X	6.480	28.771
65	1	4.715	X	5.680	26.781
66	1	1.300	X	2.000	2.600
67	1	2.420	X	2.060	4.985
68	1	4.650	X	9.220	42.873
69	1	4.715	X	5.680	26.781
70	1	2.295	X	6.480	14.872
71	1	2.295	X	6.480	14.872
72	1	4.715	X	5.680	26.781
73	1	1.300	X	2.000	2.600
74	1	2.420	X	2.060	4.985
75	1	4.650	X	9.220	42.873
76	1	4.715	X	2.680	12.636
77	1	2.295	X	3.480	7.987
78	1	2.295	X	6.480	14.872
79	1	4.715	X	5.630	26.545
80	1	4.650	X	9.680	45.012
81	1	4.715	X	5.630	26.545
82	1	2.295	X	6.430	14.757
83	1	77.290	X	1.500	115.935
84	1	1.500	X	61.210	91.815
85	1	64.400	X	1.500	96.600
86	1	1.500	X	62.335	93.503
87	1	67.052	X	1.500	100.578
88	1	1.500	X	18.440	27.660
89	1	66.590	X	1.500	99.885
90	1	1.500	X	84.270	126.405
91	1	53.395	X	14.255	761.146
92	1	6.000	X	6.470	38.820
93	1	6.000	X	4.585	27.510
94	1	5.595	X	14.255	79.757
95	1	6.574	X	45.330	297.999
96	1	29.275	X	2.770	81.092
97	1	29.275	X	2.770	81.092
98	1	38.012	X	20.689	372.600
TOTAL 4357.481					

24 M WIDE ROAD



LEGEND :	
SYMBOL	DESCRIPTION
	FLUSHING WATER SUPPLY LINE
	GARDEN HYDRANT

PROPOSED BUILDING PLAN OF AFFORDABLE GROUP HOUSING COLONY OVER AN AREA LAND MEASURING - 5.11875 ACRES (LIC. No. 84 Dated. 10.12.2018) VILLAGE- PALRA, SECTOR-70-A, DISTT. GURUGRAM BEING DEVELOPED BY M/S - GURINAM ESTATES DEVELOPERS PVT. LTD. IN COLLABORATION WITH M/S - PYRAMID INFRA TECH PVT. LTD.

24 M WIDE ROAD

SITE PLAN SCALE - 1:400

NOTE:- GATE & B/WALL AS PER STD. DESIGN

LEGEND	
	INTERNAL ROAD
	PARKING AREA
	GREEN AREA
	COMMERCIAL AREA
	RESIDENTIAL
	ANGWARI/COMMUNITY/COMMERCIAL

FLUSHING LAYOUT

DRG. TITLE SITE PLAN

DETAIL OF GREEN AREA

ENGINEER SIGNATURE

OWNER'S SIGNATURE

Pyramid Infotech Pvt. Ltd. Director

ARCHITECT'S SIGNATURE

VIVEK SINGH RAO
B. Arch. MCA, F.I.A.
C.O.A. Reg. No. CA/0000000000
RAO AND ASSOCIATE
37A, U.V. Pk-IV, Gurugram-15
Ph: 2347706-2347707 Fax: 2347707

DRG. NO. A-3/11	DATE: DEC-2018
DRG. BY: RAMADU	CHK. BY: V.S. RAO

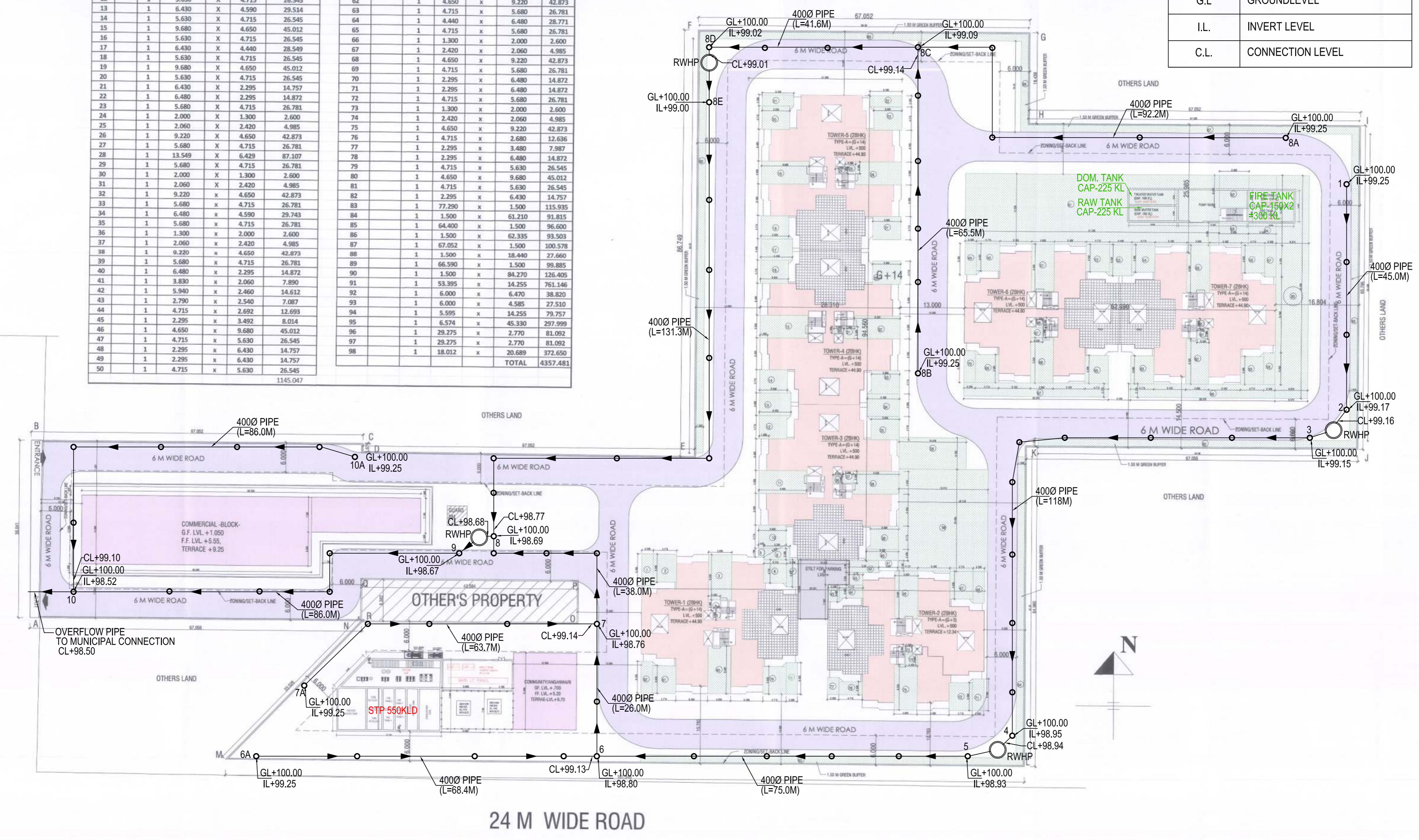
ARCHITECTS RAO AND ASSOCIATE

ARCHITECTS PLANNERS ENGINEERS INTERIORS VALUERS
37A, U.V. Pk-IV, PHASE-4, SEC-18, GURGAON, HARYANA (INDIA)
PH. (0124) - 2347706, 2347707 FAX 0124 - 2347707

GREEN AREA CALCULATION:				TOTAL								
RECT.	NOS	L	B	AREA IN SQM.								
1	1	2.295	X	6.480	14.872	51	1	4.650	X	9.680	45.012	
2	1	4.715	X	5.680	26.781	52	1	4.715	X	5.630	26.545	
3	1	4.650	X	9.220	42.873	53	1	4.440	X	6.430	28.549	
4	1	2.420	X	2.060	4.985	54	1	4.715	X	5.630	26.545	
5	1	1.300	X	2.000	2.600	55	1	4.650	X	9.680	45.012	
6	1	4.715	X	4.741	22.354	56	1	4.715	X	5.630	26.545	
7	1	2.295	X	5.542	12.719	57	1	2.295	X	6.430	14.757	
8	1	5.338	X	2.295	12.251	58	1	2.295	X	6.480	14.872	
9	1	1.092	X	1.756	1.918	59	1	4.715	X	5.680	26.781	
10	1	5.630	X	4.715	26.545	60	1	1.300	X	2.000	2.600	
11	1	9.680	X	4.650	45.012	61	1	2.420	X	2.060	4.985	
12	1	5.630	X	4.715	26.545	62	1	4.650	X	9.220	42.873	
13	1	6.430	X	4.590	29.514	63	1	4.715	X	5.680	26.781	
14	1	5.630	X	4.715	26.545	64	1	4.440	X	6.480	28.771	
15	1	9.680	X	4.650	45.012	65	1	1.300	X	2.000	2.600	
16	1	5.630	X	4.715	26.545	66	1	2.420	X	2.060	4.985	
17	1	6.430	X	4.440	28.549	67	1	2.420	X	9.220	42.873	
18	1	5.630	X	4.715	26.545	68	1	4.650	X	9.220	42.873	
19	1	9.680	X	4.650	45.012	69	1	4.715	X	5.680	26.781	
20	1	5.630	X	4.715	26.545	70	1	2.295	X	6.480	14.872	
21	1	6.430	X	2.295	14.757	71	1	2.295	X	6.480	14.872	
22	1	6.480	X	2.295	14.872	72	1	4.715	X	5.680	26.781	
23	1	5.680	X	4.715	26.781	73	1	1.300	X	2.000	2.600	
24	1	2.000	X	1.300	2.600	74	1	2.420	X	2.060	4.985	
25	1	2.060	X	2.420	4.985	75	1	4.650	X	9.220	42.873	
26	1	9.220	X	4.650	42.873	76	1	4.715	X	2.680	12.636	
27	1	5.680	X	4.715	26.781	77	1	2.295	X	3.480	7.987	
28	1	13.549	X	6.429	87.107	78	1	2.295	X	6.480	14.872	
29	1	5.680	X	4.715	26.781	79	1	4.715	X	5.630	26.545	
30	1	2.000	X	1.300	2.600	80	1	4.650	X	9.680	45.012	
31	1	2.060	X	2.420	4.985	81	1	4.715	X	5.630	26.545	
32	1	9.220	X	4.650	42.873	82	1	2.295	X	6.430	14.757	
33	1	5.680	X	4.715	26.781	83	1	77.290	X	1.500	115.935	
34	1	6.480	X	4.590	29.743	84	1	1.500	X	61.210	91.815	
35	1	5.680	X	4.715	26.781	85	1	64.400	X	1.500	96.600	
36	1	1.300	X	2.000	2.600	86	1	1.500	X	62.335	93.503	
37	1	2.060	X	2.420	4.985	87	1	67.052	X	1.500	100.578	
38	1	9.220	X	4.650	42.873	88	1	1.500	X	18.440	27.660	
39	1	5.680	X	4.715	26.781	89	1	66.590	X	1.500	99.885	
40	1	6.480	X	2.295	14.872	90	1	1.500	X	84.270	126.405	
41	1	3.830	X	2.060	7.890	91	1	53.395	X	14.255	761.146	
42	1	5.940	X	2.460	14.612	92	1	6.000	X	6.470	38.820	
43	1	2.790	X	2.540	7.087	93	1	6.000	X	4.585	27.510	
44	1	4.715	X	2.692	12.693	94	1	5.595	X	14.255	79.757	
45	1	2.295	X	3.492	8.014	95	1	6.574	X	45.330	297.999	
46	1	4.650	X	6.680	31.062	96	1	29.275	X	2.770	81.092	
47	1	4.715	X	5.630	26.545	97	1	29.275	X	2.770	81.092	
48	1	2.295	X	6.430	14.757	98	1	18.012	X	20.689	372.600	
49	1	2.295	X	6.430	14.757							
50	1	4.715	X	5.630	26.545							
				1145.047					TOTAL	4357.481		

LEGEND :	
SYMBOL	DESCRIPTION
○	STORM MANHOLE
—	STORM WATER LINE
○	RAIN WATER HARVESTING PIT
G.L	GROUNDLEVEL
I.L	INVERT LEVEL
C.L	CONNECTION LEVEL

PROPOSED BUILDING PLAN OF AFFORDABLE GROUP HOUSING COLONY OVER AN AREA LAND MEASURING - 5.11875 ACRES (LIC. No. 84 Dated. 10.12.2018) VILLAGE- PALRA, SECTOR-70-A, DISTT. GURUGRAM BEING DEVELOPED BY M/S - FINAN ESTATES DEVELOPERS PVT. LTD. IN COLLABORATION WITH M/S - PYRAMID INFRA TECH PVT. LTD.



SITE PLAN SCALE - 1:400

NOTE:- GATE & B/WALL AS PER STD. DESIGN

LEGEND	
—	INTERNAL ROAD
—	PARKING AREA
—	GREEN AREA
—	COMMERCIAL AREA
—	RESIDENTIAL
—	ANGANWADI/COMMUNITY/COMMERCIAL

STORM WATER LAYOUT

DRG. TITLE	SITE PLAN
DETAIL OF GREEN AREA	
ENGINEER SIGNATURE	
OWNER'S SIGNATURE	
ARCHITECT'S SIGNATURE	

Vivek Singh Rao
VIVEK SINGH RAO
 B. Arch. MCA, FIJA
 C.O.A. Reg. No. CA/2009/18
RAO AND ASSOCIATE
 37A, U.V. Pk-II, Gurgaon-122007

DRG. NO.	A-3/11	NORTH
DATE	DEC-2018	
DRG. BY	V.S. RAO	
ARCHITECTS	RAO AND ASSOCIATE	
ARCHITECTS PLANNERS ENGINEERS INTERIORS VALUERS	37A, UJAYOGI VIHAR, PHASE-4, SEC-18, GURGAON, HARYANA (INDIA)	
	PH. (0124) - 2347706, 2347707 FAX 0124 - 2347797	