

COMMANDER REALTORS PRIVATE LIMITED

C-4, 1st Floor, Malviya Nagar, New Delhi-110017

To

Date:-14.02.2020

The Executive Engineer,

HSVP, Division No.- 1

Gurugram

Subject:- Approval of the Service Plan Estimate of the Affordable Group Housing Colony on the land measuring 5.6972 Acres in Sector- 59, Gurugram being developed by Commander Realtors Pvt. Ltd.

Dear Sir,

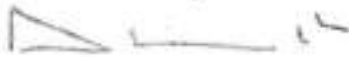
With reference to the above mentioned subject, we hereby submitting Six sets of the service plan estimate for your consideration please.

Kindly do the needful and oblige.

Thanking you,

Yours truly,

For Commander Realtors Pvt. Ltd.



Authorized Signatory

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

ASG
14/2/2020
Executive Engineer
HSVP Division No.1,
Gurugram

**SERVICE ESTIMATE, DESIGN REPORT AND
CALCULATION OF
INTERNAL DEVELOPMENT WORKS**

FOR

**PROPOSED “AFFORDABLE GROUP HOUSING COLONY” AREA
MEASURING 5.6972 ACRES (LICENSE NO. 133 OF 2019 DATED
16.12.2019) IN SECTOR – 59, GURUGRAM – MANESAR URBAN
COMPLEX BEING DEVELOPED BY M/S GOLDEN VIEW BUILDERS
PVT. LTD. AND OTHERS C/O COMMANDER REALTORS PVT.LTD.**

SERVICE ESTIMATE, DESIGN REPORT AND CALCULATIONS OF INTERNAL DEVELOPMENT WORKS FOR PROPOSED "AFFORDABLE GROUP HOUSING COLONY" AREA MEASURING 5.6972 ACRES (LICENSE No. 133 of 2019 Dated 16.12.2019) IN SECTOR – 59, GURUGRAM – MANESAR URBAN COMPLEX BEING DEVELOPED BY M/S GOLDEN VIEW BUILDERS PVT. LTD AND OTHERS C/O M/S COMMANDER REALTORS PVT.LTD.

Gurugram town of Haryana State situated on N.H. -48 road at a distance of 35 Km from Delhi. Being in the national capital region, the town has fast developing tendency and potential. Further, it has also started sharing the growing residential, commercial and Industrial load of Delhi. In order to review the growing pressure of population in National Capital of Delhi, It has been decided by the Haryana Government to develop various infrastructure facilities in Gurugram Manesar Urban Complex. This report is for a part of service estimate for proposed "Affordable Group Housing Colony" measuring 5.6972 acres (License No. 133 of 2019 dated 16.12.2019) in Sector – 59, Gurugram – Manesar urban complex being developed by M/s Golden View Builders Pvt. Ltd. and Others C/o M/S Commander Realtors Pvt. Ltd. has been prepared with the following provisions which are as under :-

1. WATER SUPPLY

The source of water supply in this area is by HSVP Mains. It has been proposed to construct two underground tanks of capacity as per attached details and to location for domestic purpose and for fire protection. The underground tanks will be fed from the HSVP based supply, which will feed O.H. tanks on the roof of the Building and has been designed as per the Hazen Williams formula. Presently there is proposed / under execution HSVP W/S in this area. However the provision of tube wells have been taken due to non availability of water but after getting the approval from the competent authority through tube wells / tankers / any other approved source till HSVP W/S will be made available. The proposed tube wells shall be 510mm bore drilled with reverse rotary rig and installed with 80mm i/d housing pipe and 50mm i/d slotted tube as strainer, hence the provision of 1 Nos Tube Wells has been taken in this estimate.

DESIGN

The scheme has been designed for population of 4120 persons UGT and considering @ 5 persons / units for Affordable Group Housing and other provision etc. The combined quantum of water supply (domestic + flushing) per head / day has been taken as 172.50 Liters per head per day as per design calculation.

PUMPING EQUIPMENTS

It has been proposed to install pumping set as described with standby of equal capacity. The provision for standby generating set has also been provided in case of any time electricity failure. Generator will be provided separately or added to the capacity of main generator.

2. SEWERAGE

The scheme is designed for sewer connecting to the STP and bypass connection to HSVP sewer scheme.

The sewer lines have designed for three times average D.W.F in relation to water supply demand. It has assumed that about 80% of the domestic and flushing water supply shall find its way into the proposed sewer. Sewer lines shall be running by gravity and discharge to STP proposed. Treated water will be used for Irrigation & Flushing purpose (through recycling) under the pipe line system.

3. STORM WATER DRAINAGE

It has been proposed to lay R.C.C Np3 pipes with required number of manholes for disposal of storm water, which will be connected to the HSVP drain. The intensity of rain fall has been taken as 6.00mm per hour. A minimum size of 400mm i/d R.C.C pipe for storm water drain will be provided and designed as per manning's formula. Necessary provision of rainwater harvesting arrangement has also been taken in this estimate.

4. ROADS

Road, Parking and Pavement have been provided to above areas and estimate is prepared as revised specifications adopted by HSVP.

5. STREET LIGHTING AND ELECTRIFICATION :-

Provision for external lighting and electrification of proposed area has been made with ESS.

6. HORTICULTURE :-

Estimate and details of plantation, landscaping, signage etc. have been included.

7. FIRE FIGHTING :-

Provision of Fire Fighting system has been made.

8. SPECIFICATIONS

The work will be carried out in accordance with the standard specifications of PH as laid down by the Haryana Government / HSVP.

9. RATES

The estimate has been based on the present market rates.

10. COST

The total cost of the scheme including cost of all services works out to Rs. 439.50 Lacs (Rupees Four Crores Thirty Nine Lac Fifty Thousand only) including 3% contingencies and 49% departmental charges + Price escalation and cost per acre comes out to Rs. 77.14 Lacs.

(Authorized Signatory)



1. DESIGN CALCULATION :-

Total Area of plot (commercial)	= 5.6972 Acres or 23055.714 Sqm
Permissible Ground Coverage 50%	= 11527.857 Sqm
Proposed Ground Floor	= 11527.857 Sqm
Permissible F.A.R. @ 2.25% (Resi.)	= 49800.342 Sqm
Proposed F.A.R Achieved (Resi.)	= 49747.244 Sqm
Proposed area of commercial (F.A.R)	= 1595.966 Sqm
Community Building	= 207.115 Sqm
Anganwari	= 203.693 Sqm

Detail of Units

No. of Units	No. of Floors	No. of Block	Unit / Block	Total Unit	Density
Tower -1	G + 14	1	118	118	590
Tower -2	G + 14	1	118	118	590
Tower -3	G + 14	1	118	118	590
Tower -4	G + 14	1	118	118	590
Tower -5	G + 7	1	62	62	310
Tower -6	G + 6	1	54	54	270
Tower -7	G + 14	1	118	118	590
Tower -8	G + 14	1	118	118	590
Total Density				824	4120

I) Water Requirement :-

Total Population	= 4120 Persons
@ 172.50 LPCD	= 710700.00 LPD
Commercial & Community Buildings :-	
• Commercial	= 1595.966 Sqm
@ 3 Sqm / person = 532 Persons @ 45 LPCD	= 23940 LPD
• Community Building (Area 207.115 Sqm) L.S	= 10000.00 LPD
• Anganwari (Area 203.693 Sqm) L.S	= 10000.00 LPD
• Mtc. Staff and others etc. L.S.	= 10000.00 LPD
Total	= 7,64,640.00 LPD Or 765 KLD
	Say 770 KLD

II. FIRE DEMAND

(i) Population	= 4120 Persons
(p) $\frac{1}{2} \times 100/1000 = (4.120) \frac{1}{2} \times 100$	= 202.97 KLD Say 210 KLD

III. Garden Irrigation Requirement (For Total Area) = 60.00 KLD**IV. Total Water Requirement for UGT**

(Excluding Fire Demand)

Hence Domestic Water Requirement (67%)	= 770 x 67% = 516.00 KLD
Hence Flushing Water Requirement (33%)	= 770 x 33% = 254.00 KLD
Half Day Requirement	= 270 K.L. for Domestic
	= 140 K.L. for Flushing

But it is proposed to construct an UGT i.e. 270 K.L. in two compartment for domestic use and 140 K.L. for non potable water in two compartment (at STP) and 210 K.L. for fire fighting purposes for UGT in two compartment as shown location in the plan.

Total Capacity of UGT	= 270 + 210	= 480.00 KLD
Total Requirement for Flushing at STP		= 140.00 KLD
V. Tube Well		For UGT
a) Yield		= 15 K.L. / Hr.
b) Working Hour per day		= 16 Hr. / Per Day
c) Total water demand		= 516 M3/Day
d) Number of tube well required (Water Demand / Discharge / Hr. working Per day)		= 2.15 Nos
e) Add 5% extra		= 0.11
	Total	= 2.26 Nos
	Say	= 2 Nos

Water to the proposed development is to be supplied by HSVP. However consider 50% T.W.'s it is proposed to install only one tube well for augmentation / standby purposes and provision has also been taken in the estimates due to non availability of water but after getting the approval from the competent authority for UGT.

VI) Pumping Machinery for Tube wells

a) Gross Working Head	= 80 Mtr
b) Average fall in S.L	= 2 Mtr
c) Depression Head	= 6 Mtr
d) Friction loss in main	= 10 Mtr
Total	= 98 Mtr
e) Discharge	= 15000 LPH (Or 4.17 LPS Say 4.50 LPS)
f) Horse Power	= 9.80 H.P.
HP = $(4.50 \times 98) / (75 \times 0.60)$	
	Say = 10.00 H.P.

It is proposed to provide 1 No. pumping set of 4.50 LPS discharge at 98 Mtr head (1W)

VII) Boosting Machinery for domestic water For UGT

Total Water Requirement	= 516.00 KLD
Pumping per hour @ 8 hr. pumping / day	= 516 / 8 KL / hr.
	= 64.50 KL / hr.
	= 1075.00 lpm = 17.92 lps
	Say 2 No. 10.00 lps each
Gross working head	For UGT
- Suction lift	= 5.00 mts.
- Frictional loss in mains & specials	= 5.00 mts.
- Clear Head required	= 65.00 mts.
Total	= 75.00 mts.
Say	= 75.00 mts.
Pump HP	= $(10.00 \times 75) / (75 \times 0.60)$
	= 16.66 H.P.
	Say = 20.00 HP

It is proposed to provide 3 Nos of pumping set of 10.00 lps discharge at 75mts Head each (2W + 1S) for UGT

VIII) Boosting Machinery for flushing water at STP

Total Water Requirement	= 254 K.L.D
Pumping per hour @ 8 hr. pumping / day	= 254 /8 KL / hr. = 31.75 KL / hr. = 529.16 lpm = 8.81 lps, Say 2 No. 5.00 lps each
Gross working head	
- Suction lift	= 5.00 mts.
- Frictional loss in mains & specials	= 5.00 mts.
- Clear Head required	= 65.00 mts.
Total	= 75.00 mts.
Say	= 75.00 mts.
Pump HP	= (5.00 x 75) / (75 x 0.60) = 8.33 HP Say = 10.00 HP

It is proposed to provide 3 Nos of pumping set of 10.00lps discharge at 75 mts Head each (2W + 1S)

IX) Boosting Machinery for Irrigation water

Total Water Requirement	= 60 KLD
Pumping per hour @ 5 hr. pumping / day	= 60 /5 KL / hr. = 12.00 KL / hr. = 200.00 lpm = 3.33 lps Say = 5.00 LPS
Gross working head	
- Suction lift	= 3.00 mts.
- Frictional loss in mains & specials	= 3.00 mts.
- Clear Head required	= 15.00 mts.
Total	= 21.00 mts.
Say	= 21.00 mts.
Pump HP	= (5.00 x 21) / (75 x 0.60) = 2.33 HP Say = 5.00 HP

It is proposed to provide 2 No. of pumping set of 5.00 lps discharge at 21 mts Head each (1W + 1S)

X) Boosting Machinery for Fire water

Total Water Requirement

Hydrant pump as per CFO Directive	= 2280 LPM, 95M Head and 80 H.P = 1 Nos
Jockey pump (Hydrant) as per NBC table No. 23	= 180 LPM, 95M Head and 7.50 H.P = 1 Nos
Diesel pump as per CFO Directive	= 2280 LPM, 95 M Head and 80 H.P = 1Nos
Gross working head	
- Suction lift	= 5.00 mts.
- Frictional loss in mains & specials	= 5.00 mts.
- Clear Head required	= 85.00 mts.
Total	= 95.00 mts.
Jockey Pump HP (Fire)	= $(3 \times 95) / (75 \times 0.60)$
	= 6.33HP
Say	= 7.50 HP (1W + 1SB)

XI) DG Set for plumbing**DG Set Requirement**

Submersible Pump (1 x 10)	= 10 HP
Domestic Pump (2 x 20)	= 40 HP
Flushing Pump at STP (2 x 10)	= 20.00 HP
Street Light and other etc.	= 10 HP
Fire Jockey pump	= <u>7.5 HP</u>
Total pump load	= 87.50 HP
	= $87.50 \times 0.746 \times 1.50$
	= 97.91 K.W
Total DG capacity	= 1 No. 100 KVA

Hence it is proposed to provide 1 No. D.G. Set of 100 KVA capacity for UGT

FLOW TO SEWAGE TREATMENT PLANT

Total Water Requirement = 516 KLD for domestic & 254 KLD for flushing

i) 80% of total Domestic Water Demand = 80% of 516 KLD = 412.80 KLD

ii) 80% of total Flushing Water Demand = 80% of 254 KLD = 203.20 KLD

Total = 616.00 KLD

Considering 5% marginal factor = 30.80 KLD

G. Total = 646.80 KLD

Say 650 KLD

Proposed STP Capacity = 650 KLD Or 0.65 MLD

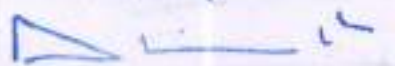


(Authorized Signatory)

FINAL ABSTRACT OF COST

SR. NO.	SUB WORK	DESCRIPTION	AMOUNT (Rs. In Lacs)
1	SUB WORK NO. I	WATER SUPPLY SCHEME	127.33
2	SUB WORK NO. II	SEWERAGE SCHEME	111.24
3	SUB WORK NO. III	STORM WATER DRAINAGE	63.54
4	SUB WORK NO. IV	ROAD AND FOOTPATH	66.28
5	SUB WORK NO. V	STREET LIGHTING	8.75
6	SUB WORK NO. VI	HORTICULTURE (PLANTATION & ROAD SIDE TREES)	7.34
7	SUB WORK NO. VII	MTC. OF SERVICES & RESURFACING OF ROADS (After 1st 5 years of 1st Phase & Next 5 years in 2nd Phase)	55.02
		TOTAL	439.50
TOTAL : (Rupees Four Crore Thirty Nine Lacs Fifty Thousand only)			

Cost Per Acre = Rs.439.50 Lacs / 5.6972 =77.14 Lacs Per Acre



AUTHORISED SIGNATORY

SUB WORK NO. 1 (Abstract of cost)

WATER SUPPLY SCHEME

SR. NO.	SUB WORK	DESCRIPTION	AMOUNT (Rs. In Lacs)
1	Sub Head No. 01	Head Works	24.20
2	Sub Head No. 02	Pumping Machinery	20.30
3	Sub Head No. 03	Water Supply Distribution & Rising main pipe	21.20
4	Sub Head No. 04	External Fire Hydrants	13.86
6	Sub Head No. 05	Irrigation	3.41
		TOTAL	82.97
		Add 3% contingency & P.H. Services	2.49
		Total	85.45
		Add 49% Department charges + Price Escalation	41.87
		G. Total	127.33
		Say in Lacs	127.33

(C.O. to Final Abstract Of Cost)

SUB WORK NO. 1
Sub Head No. 01

WATER SUPPLY
Head Works

Sr. NO.	Description	Amount in Rs.
1	Construction of U.G. tanks and Fire Tank Including pipes, valve & Specials. 480 KLD @ Rs. 3000/- per K.L.D	1440000
2	Provision for construction of Boosting Station 1 Nos @ Rs. 250000/- each	250000.00
3	Boring and installing tube well reverse rotary rig complete with pipes and strainer to a depth of about 120 Mtr complete in all respect. 1 Nos @ Rs. 500000/- each	500000.00
4	Provision for construction of tube well chamber size 1.50m x 1.50m complete in all respect. 1 Nos @ Rs. 80000/- each	80000.00
5	Provision for carriage of material and unforeseen items L.S.	50000.00
6	Provision of specials for tube well & rising main to UGT L.S.	100000.00
	Total	2420000.00
	Say	24.20

(C.O. to Abstract of cost of Sub Work No. 1)

SUB WORK NO. 1
Sub Head No. 02

WATER SUPPLY
Pumping Machinery

Sr. NO.	Description	Amount in Rs.
1	Providing and installing Hydro pneumatic pumping set of following capacities for domestic water Supply with specials (UGT -I & II)	
	10.00 lps at 75 mts head - 3 No. (2W+1SB) - @ Rs. 90,000/- each Set (20.00HP)	270000
2	Providing and installing Hydro Pneumatic pumping set of following capacities for Flushing water supply at STP	
	5.00 lps at 75 mts head - 3 No. (2W+1SB) @ Rs. 80,000/- 1 Set (10.00 HP each)	240000.00
3	Providing and installing Submersible pump for tube wells with specials	
	4.50 lps at 98 mts head - 1 Nos (1W) @ Rs. 80,000/- 1 Set (10HP each)	80000.00
4	Provision for construction of ESS = 1 Nos Sheds with foundation @ Rs. 30,000/- each	60000.00
5	Providing and installing pumping sets of following capacities for Fire Protection etc. with foundation complete	
	- 180 lpm at 95 M head 1 No. @ Rs. 80,000/- (7.50 HP each)	80000.00
	- 2280 lpm at 95 M head 1 No. @ Rs. 3,50,000/- (80 HP each) (Hydrant)	350000.00
	- 2280 lpm at 95 M head 1 No. @ Rs. 4,50,000/- (80 HP) (Diesel Engine)	450000.00
6	Provision for D.G. Set for stand by arrangement for all machinery = 1 No. 100 KVA @ Rs. 2,50,000/- each	250000.00
7	Provision for making foundations & erection of pumping machinery	50000.00
8	Provision for pipes, valve & specials inside boosting chamber	50000.00
9	Provision for electric services connection including electric fittings for boosting chambers and pump chamber etc.	100000.00
10	Provision for carriage of materials and other unforeseen items L.S.	50000.00
	Total	2030000.00
	Say	20.30

(C.O. to Abstract of cost of Sub Work No. I)

SUB WORK NO. 1
Sub Head No. 03

WATER SUPPLY
Water Supply Distribution & Rising Main Pipe

Sr. NO.	Description	Amount in Rs.
1	Providing, laying, jointing & testing pipe lines including cost of excavation etc. complete in all respects	
i)	100mm dia D.I. Pipe 595 Mtr @ Rs. 500/- Per Mtr	297500.00
ii)	150mm i/d D.I. Pipes - 1265 Mtr @ Rs. 1000/- Per Mtr	1265000.00
iii)	200mm i/d D.I. Pipes -50 Mtr @ Rs. 1500/- per mtr	75000.00
2	Providing and fixing sluice valve including cost of surface box and masonry chamber etc. complete in all respect	
a)	100mm i/d 10 No. @ Rs. 7500/- each	75000.00
b)	150mm i/d 15 No. @ Rs. 10000/- each	150000.00
c)	200mm i/d 2 No. @ Rs. 15000/- each	30000.00
3	Providing and fixing indicating plates for sluice valve 27 No. @ Rs. 1000/-	27000.00
4	Provision for carriage of materials and other unforeseen items	50000.00
5	Provision for making connection with HSVP Pipe & T.W's etc.	100000.00
6	Provision for cutting the road and making good the same	50000.00
	Total	2119500.00
	Say	21.20

(C.O. to Abstract of cost of Sub Work No. I)

B

SUB WORK NO. 01

WATER SUPPLY

SUB HEAD NO. 04

EXTERNAL FIRE HYDRANTS

Sr. NO.	Description	Amount in Rs.
1	Providing, Laying, jointing and testing Heavy Class M.S. Pipes for fire rising main including cost of fittings, valves, connection etc. complete in all respect	
a)	100mm dia - 180 M @ Rs. 500/- Per Mtr	90000.00
b)	150mm dia -1045 M @ Rs. 900/- Per Mtr	940500.00
2	Providing and fixing fire Hydrant with accessories 30 No. @ Rs. 7500/- each	225000
3	Provision for Security Services for Fire Arrangement L.S.	50000.00
4	Providing and fixing indicating plate -30 No. @ Rs. 1000/- each	30000.00
6	Provision for carriage of material L.S.	50000.00
	Total	1385500.00
	Say	13.86

(C.O. to Abstract of cost of Sub Work No. 1)

/4

SUB WORK NO. 01

WATER SUPPLY

SUB HEAD NO. 05

IRRIGATION

Sr. NO.	Description	Amount in Rs.
1	Providing, Laying, jointing and testing UPVC pipe lines suitable for 6 kg pressure including cost of fittings, valves, connection etc. complete in all respect with boosting machinery for irrigation etc.	
a)	25mm dia - 320 M @ Rs. 300/- Per Mtr	96000.00
b)	5.00 lps at 21m. Head 2 nos.(1W+1S)@ 25,000/- each set (5.00 HP)	50000.00
2	Providing and fixing 25mm dia, Irrigation hydrant valve complete in all respect 40 Nos @ Rs. 3000/- each	120000.00
3	Provision for carriage of materials and other unforeseen items L.S.	20000.00
4	Provision for indicating plate with safety box etc. complet in all respect	25000.00
6	Provision for road cutting and making it condition as original L.S.	30000.00
	Total	341000
	Say	3.41

(C.O. to Abstract of cost of Sub Work No. I)

SUB WORK NO. II

SEWERAGE SCHEME

Sr. NO.	Description	Amount in Rs.
1	Providing, jointing, cutting and testing stoneware pipe grade A and lowering into trenches including cost of excavation, bed concrete, cost of manholes etc. complete	
	a) SW Pipe 200mm i/d avg. depths 0 - 2.00M 220 M @ Rs. 1200/- per Mtr	264000.00
	b) SW Pipe 250mm i/d avg depth 2.00 M 365 M @ Rs. 1300/- per Mtr	474500.00
	c) SW Pipe 300mm i/d avg depth 2.75 M 205 M @ Rs. 1500/- per Mtr	307500.00
	d) SW Pipe 400mm i/d avg depth 3.00 M 20 M @ Rs. 1800/- per Mtr	36000.00
2	Providing, laying, jointing & testing pipe lines including cost of excavation etc. complete in all respect - 200mm dia Heavy Class DI pipes (overflow for STP)	
	a) 150MM i/d D.I. Pipe - 55 M @ Rs. 1200/- Per Mtr	66000.00
3	Provision of lighting and watching etc.	30000.00
4	Provision for cartage of material	20000.00
5	Provision for making connection with HSVP	50000.00
1	Provision for construction of Sewerage Treatment Plant (STP) including the cost of tertiary treatment level with recycling storage tank and machinery with all arrangement etc. complete in all respect. = 650 KLD or (0.65 MLD) Capacity L.S.	6000000.00
		7248000.00
	Add 3% contingency & P.H. Services	217440
	Total	7465440
	Add 49% Department charges + Price Escalation	3658066
	G. Total	11123506
	Say	111.24

(C.O. to Final Abstract of Cost)

SUB WORK NO. III

STORM WATER DRAINAGE SCHEME

Sr. NO.	Description	Amount in Rs.
1	Providing, lowering, laying, jointing RCC pipe class Np3 with cement joint, a) RCC Np3 pipe 400mm i/d = 895M @ Rs. 2000/- Per Mtr	1790000.00
2	Provision for Rain Water Harvesting arrangement including the cost of screening chamber and pit with all type of pipes and other material etc. complete in all respect as per standard drawing and bore upto requirement of site etc. 6 Nos RWH @ Rs. 2,50,000/- each	1500000.00
2	Provision for road gulley & pipe with connection	500000.00
3	Provision for lighting and watching	50000.00
4	Provision for timbering and shoring	50000.00
5	Provision for cartage of material	50000.00
6	Provision for making connection with HUDA storm water drain	200000.00
	Total	4140000
	Add 3% contingency & P.H. Services	124200
	Total	4264200
	Add 49% Department charges + Price Escalation	2089458
	G. Total	6353658
	Say	63.54

(C.O. to Final Abstract of Cost)

Sub Work No. IV

ROAD AND FOOTPATH

S. No.	Description	Unit	Qty	Rate (In Rs.)	Amount (In Rs.)
1	Provision for leveling & earth filling as per site conditions	Per Acre	5.6972	70000	398804
2	i) Providing and laying 100mm thick PCC under pavement, cement concrete of specified grade 1:4:8 and 150mm thick RMC grade M-40 ii) Providing and laying Bituminous road (250mm GSB, 300mm WMM, 50mm DBM, 40mm BC).	Sqm	6825	300	2047500
3	Provision for kerbs & channels of C.C. 1.2:4	Metre	1095	340	372300
4	Provision for arrangement of guide map and indicating board etc.	LS			50000
5	Provision for parking arrangement with 100mm thick PCC under pavement cement concrete of specified grade 1:4:8 and 150mm thick RMC Grade M-40 or Bituminous road with 250mm GSB, 300mm WMM, 50mm thick DBM & 40mm thick BC etc. as per requirement of site for surface car parking and approach to Tower / Blocke etc. complete in all respect	Sqm	5600	250	1400000
5	Provision for carriage of material	LS			50000
	Sub Total				4318604
	Add 3% contingencies & PH Services				129558
	Sub Total				4448162
	Add 49% Departmental Charges + Price Escalation				2179599
	Total				6627762
	Say Rs. In Lacs				66.28

(C.O. to Final Abstract of cost)

Sub Work No. V

STREET LIGHTING

18

S. No.	Description	Unit	Qty	Rate (In Rs.)	Amount (In Rs.)
1	Provision for Street Lighting at surrounding area as per standard specifications of HVPN etc. complete	Acre	5.6972	100000	569720
	Add 3% contingencies & PH Services				17092
	Total				586812
	Add 49% Departmental Charges + Price Escalation				287538
	Total				874349
	Say Rs. In Lacs				8.75

(C.O. to Final Abstract of cost)

Sub Work No. VI

HORTICULTURE

S. No.	Description	Unit	Qty	Rate (In Rs.)	Amount (In Rs.)
1	Development of Lawn Areas				
a.	Trenching of ordinary soil upto depth of 60 cm i/c removal & stacking of serviceable material & disposing by spreading and levelling within a lead of 50 M and making up the trench area for proper levels by filling with earth or earth mixed with manure before and after flooding trench with water i/c cost of imported earth and manure with all fitting and valve etc. complete				
b.	Rough dressing of turfed area				
c.	Grassing with "Cynadon dactylon" i/c watering and maintenance of lawns for 30 days till the grass forms a thick lawn, free from weeds and fit for moving in row 7.5 cm part in either direction				
d.	organized green 4998.73 Sqm Or 1.24 Acres (As per detail given in green park area calculation)	Acre	1.24	200000	248000
2	Providing and planting trees along boundary @ 6 m interval (Length appx 1095M) = $1095/6 = 183$ Nos Say No. of trees = 200 Nos Cost details : Excavation = Rs. 150 Manure = Rs. 350 Tree Plant = Rs. 650 Total Rs. = Rs. 1150				
		Each	200	1150	230000
	Total				478000
	Add 3% contingencies & PH Services				14340
	Total				492340
	Add 49% Departmental Charges + Price Escalation				241247
	Total				733587
	Say Rs. In Lacs				7.34

(C.O. to Final abstract of cost)

Sub Work No. VII

Mtc. Of services & Resurfacing of Road

S. No.	Description	Unit	Qty	Rate (In Rs.)	Amount (In Rs.)
1	Mtc. Of water supply, sewer, storm water drain, roads, street light, hort. Etc. for period of 10 years including operation charges full establishment etc. complete in all respects 5.11875 acres @ Rs. 4.00 lacs per acre	Acre	5.6972	150000	854580
2	Provision for resurfacing of roads after 5 years of 1st phase with provision of 50mm thick BM including leveling coarse and 25mm BC as per crust design whichever is safer	Sqm	6825	150	1023750
3	2nd phase after next five years of 1st phase (50mm DBM & 25mm BC or as per crust design whichever is safer	Sqm	6825	250	1706250
	Sub Total				3584580
	Add 3% contingencies & PH Services				107537
	Sub Total				3692117
	Add 49% Departmental Charges				1809138
	Total				5501255
	Say Rs. In Lacs				55.02

(C.O. to Final abstract of cost)

2)

SUMMARY OF DESIGN REQUIREMENT

S. No.	Description	Qty	Unit
1	Total Population	4120	Persons
2	Total Water Requirement (Domestic)	516	KLD
3	Total Water Requirement (Flushing)	254	KLD
4	Total Water Requirement (Horticulture)	60	KLD
5	U. G Tank (Domestic) 270 K.L.D	1	No.
6	U.G.T (Fire) 210 KLD	2	No.
7	No. of Domestic WS pumps UGT	2+1 2+1	Set Set
8	No. of Flushing pumps at STP	2+1	No.
9	No. of submersible pumps	1	No.
10	Main Fire Hydrant electrical pumps	1	No.
11	Diesel fire pumps	1	No.
12	Jockey fir pumps	1	No.
13	Generating sets for UGT	1	100 KVA
14	S.T.P. (Cap. 650 KLD)	1	Nos.

TOTAL MATERIAL STATEMENT FOR WATER SUPPLY I.e. DOMESTIC, FLUSHING & RISING MAIN ETC.

22

S. No.	Description	Size of pipe upto valve in 100mm	Size of pipe upto valve in 150mm	Size of pipe upto valve in 200mm
1	Domestic	270M	570M	50M
2	Flushing	270M	630M	-
3	Rising Main	55M	65M	-
	Total	595M	1265M	50M

MATERIAL STATEMENT (DOMESTIC WATER SUPPLY)

S. No.	Line Designation		Size of Pipe Provided	Length of Pipe (Mtr)	Length in Mtr		
	From	To			200MM	150MM	100MM
1	UGT	A	200	10	10	-	-
2	A	B	150	165	-	165	-
3	B	C	150	30	-	30	-
4	A	D	200	40	40	-	-
5	D	E	150	35	-	35	-
6	E	C	150	200	-	200	-
7	D	F	150	55	-	55	-
8	F	G	150	85	-	85	-
9	G	H	100	95	-	-	95
10	H	I	100	40	-	-	40
11	G	G1	100	40	-	-	40
12	G1	I	100	95	-	-	95
	Total			890	50	570	270

200mm i/d Pipe Length

50 Mtr

150mm i/d Pipe Length

570 Mtr

100mm i/d Pipe Length

270 Mtr

MATERIAL STATEMENT (FLUSHING WATER SUPPLY)

24

S. No.	Line Designation		Size of Pipe Provided	Length of Pipe (Mtr)	Length in Mtr		
	From	To			200mm	150mm	100mm
1	STP	a	150	20	-	20	-
2	a	b	150	60	-	60	-
3	b	c	150	30	-	30	-
4	c	d	150	200	-	200	-
5	a	e	150	145	-	145	-
6	e	d	150	35	-	35	-
7	e	f	150	55	-	55	-
8	f	g	150	85	-	85	-
9	g	h	100	95	-	-	95
10	h	i	100	40	-	-	40
11	g	g1	100	40	-	-	40
12	g1	i	100	95	-	-	95
	Total			900	0	630	270

150mm i/d Pipe Length

630 Mtr

100mm i/d Pipe Length

270 Mtr

MATERIAL STATEMENT FOR BOREWELL RISING MAINS AND HUDA MAIN

S. No.	Name of Line		Size of Pipe Provided	Length of Pipe (Mtr)	Length in Mtr		
	From	To			100mm	150mm	200mm
1	T.W.	UGT	100	55	55	-	-
3	HSVP Line	UGT	150	65	-	65	-
	Total			120	55	65	0

MATERIAL STATEMENT FOR SEWERAGE SCHEME

26

S. No.	Line No.		Length (In Mtr)	Pipe Dia	Av. Depth	Length in Mtr			
	From	To				200mm i/d 0 to 2.00 Mtr	250mm i/d 0 to 2.00 Mtr	300mm i.d 0 to 2.50 Mtr	400mm i.d 0 to 3.00
1	A	B	125	200	1.08	125	-	-	-
2	B1	B	95	200	1.16	95	-	-	-
3	B	C	130	250	1.56	-	130	-	-
4	C	D	140	300	2.03	-	-	140	-
5	D3	D2	195	250	1.41	-	195	-	-
6	D2	D1	40	250	1.87	-	40	-	-
7	D1	D	65	300	1.97	-	-	65	-
8	D	STP	20	400	2.31	-	-	-	20
9	STP - HSVP / Sewer By Pumping 150mm i/d D.I. Pipe = 55 Mtr								
	Total		810			220	365	205	20

200mm i/d Pipe Length 220 Mtr
 250mm i/d Pipe Length 365 Mtr
 300mm i/d Pipe Length 205 Mtr
 400mm i/d Pipe Length 20 Mtr
 150mm i/d D.I. Pipe (By Pumping) = 55 Mtr

MATERIAL STATEMENT OF STORM WATER DRAINAGE SCHEME

27

Sr. No.	Line Reference		400mm i/d RCC Np3 Pipe
	From	To	Length in Mtr
1	A	B	195
2	B	C	90
3	C	D	30
4	D3	D2	25
5	D2	D1	180
6	D1	D	35
7	D	HSVP LINE	30
8	F	G	95
9	G	H	40
10	H2	H1	35
11	H1	H	105
12	H	HSVP LINE	35
	Total Length		895

Total Length 400mm i/d RCC Np3 pipe = 895 Mtr

Total Rain Water Harvesting (RWH) = 6 Nos

Material Statement of Road Works

28

Sr. No.	Road No.	Length	Width	Area	
1	1	205.00	6.00	1230.00	Sqm
2	2	40.00	6.00	240.00	Sqm
3	3	175.00	6.00	1050.00	Sqm
4	4	45.00	6.00	270.00	Sqm
5	5	95.00	6.00	570.00	Sqm
6	6	105.00	6.00	630.00	Sqm
7	7	40.00	6.00	240.00	Sqm
8	8	96.00	6.00	576.00	Sqm
9	9	115.00	2X7.00	1610.00	Sqm
10	10	6.00	2X7.00	84.00	Sqm
	G. Total	922.00		6500.00	Sqm
	Add 5% extra for curves			325	Sqm
	Total			6825	Sqm

ii) Kerbs & Channels

6 Mtr wide Road

801 Mtr

24 Mtr wide Road (2 x 121Mtr)

241 Mtr

Add: 5% for curves

Total

~~1042 Mtr~~1043 Mtr
52 Mtr
1095 Mtr

II) PARKING :-

(i) Surface Car Parking = 424 Nos

Area = 424 Nos x 2.50 Mtr x 5.00 Mtr = 5300.00 Sqm

ii) Approach of Towers L.S. = 300.00 Sqm

Total = 5600.00 Sqm

MATERIAL STATEMENT (FIRE FIGHTING)

S. No.	Line Reference		Length in Mtr	Size of M.S. Pipe	Remarks
	From	To		150mm i/d Fire Rising	
				150mm	
1	UGT	A	10	10	
2	A	B	20	20	
3	B	C	30	30	
4	C	D	40	40	
5	D	E	210	210	
6	E	F	40	40	
7	F	A	160	160	
8	B	G	30	30	
9	G	H	75	75	
10	C	H	60	60	
11	H	I	50	50	
12	I	HJ	50	50	
13	J	K	65	65	
14	K	L	45	45	
15	L	M	105	105	
16	I	M	55	55	
	Total		1045	1045	

- i) Length of 150mm i/d M.S. Pipe = 1045 Mtr
ii) Length of 100mm i/d F.H. = 30 X 6 = 180 Mtr
iii) Nos of F.H. = 30 Nos

SUBHEAD : IRRIGATION WATER SUPPLY SCHEME - DESIGN CALCULATION (HORTICULTURE)

HYDRAULIC STATEMENT OF IRRIGATION WATER SUPPLY

S. No.	Line Reference	Population	Peak Flow in LPH	Velocity (m/s)	Size of the pipe required (in mm)	Size of the Pipe Recommended (mm)	Hydraulic Radius	Total Friction Loss in m/m	Length (M)	Loss of Head in Line (M)	Formation Level	Available head (M)
1	From Flushing Water Supply line.	60000 (60 K.L.)	-	-	25.00	25	-	-	320	-	-	-

Note :- 60 Nos connections are to be done from flushing water supply line i.e. 40 Nos x 8 Mtr/each = 320 Mtr for 25mm I/d

HYDRAULIC STATEMENT OF WATER SUPPLY (DOMESTIC)

SUBHEAD : DOMESTIC WATER SUPPLY SCHEME - DESIGN CALCULATION

S. No.	Site Reference	Tower No.	Flat / Unit							Population @ 5 Person per flat	Water Requirement @ 172.50 LPCD	Other Water Requirement i.e. Commercial/ Community Centre and Anganwadi	Total Water Requirement in LFD	Water Requirement @ 85% of total water requirement	Peak Flow in LFD	Velocity (m/s)	Size of the pipe in (mm)	Total Friction Loss in m/100m	Length in (100)	Loss of Head in Pipe (M)	Formation level at Lower end (M)	Available Head at Lower end (M)	Terminal Head (M)	Remarks
			Self	5	6	7	8	Total																
1	2	3	4	5	6	7	8	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	UGT	A	1 to 8, corner	0	824	0	824	4120	710700	53940	764640	642308	192172	0.74	200	0.005	10	0.05	242.60	317.55	74.95			
2	A	B	2 to 6	235	0	235	1175	202688	0	202688	168801	59427	0.38	150	0.002	165	0.85	242.80	317.22	74.42				
3	B	C	-	0	0	0	0	0	0	0	0	0	0.29	150	0.001	20	0.03	242.65	317.18	74.94				
4	A	D	1 to 8, etc.	59	530	589	2945	508013	53940	561953	476508	141184	0.68	100	0.004	40	0.16	242.60	317.39	74.79				
5	D	E	1 to 6	0	294	294	1470	253575	0	253575	208895	67712	0.43	150	0.003	35	0.13	242.65	317.28	74.68				
6	E	F	1 to 6	294	0	294	1470	253575	0	253575	208895	67712	0.43	150	0.003	35	0.13	242.65	317.28	74.68				
7	D	G	7 A, corner, etc.	0	236	236	1180	203550	53940	257490	172518	64924	0.43	150	0.003	35	0.14	242.51	317.31	74.66				
8	F	H	7 A, corner, etc.	0	236	236	1180	203550	36435	239985	188790	60298	0.43	150	0.003	35	0.14	242.60	316.98	74.36				
9	G	I	7 B, corner	118	0	118	590	101775	30000	131775	86209	31029	0.41	100	0.006	65	0.47	242.71	316.51	75.81				
10	H	G1	corner	0	0	0	0	30000	30000	30000	20100	7518	0.29	100	0.002	40	0.04	242.80	316.47	75.87				
11	G	I	7 A, corner	0	118	118	590	101775	6435	108210	75501	27188	0.39	100	0.003	40	0.12	242.70	316.84	76.18				
12	G1	C	7 B	118	0	118	590	101775	0	101775	88348	25572	0.36	100	0.003	95	0.38	242.80	316.58	75.78				

HYDRAULIC STATEMENT OF WATER SUPPLY (FLUSHING) RECYCLING OF TREATED SEWAGE WATER
SUBHEAD : FLUSHING WATER SUPPLY SCHEME - DESIGN CALCULATION

S. No.	Line Reference	Tower No.	Unit / Flat	Population @ 5 Person per flat	Water Requirement @ 172.50 LPCD	Other Water Requirement i.e. Commercial Community	Total Water Requirement in LPCD	Water Requirement @ 15% of total water requirement	Peak Flow in LPH	Velocity (m/s)	Size of the pipe (mm)	Total Friction Loss in M/M	Loss of Head in Line (m)	Formation Level at Lower End	Available Head at Lower end (m)	Terminal Head (M)	Remarks				
																		From	To	Self	Branch
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	1	1 to B, comm., all.	0	824	0.24	4120	53940	764640	252351	94623	0.62	330	0.095	30	0.10	342.70	317.60	342.70	317.60	74.30	Formation Level at STP = 242.70 M Sooting Head = 75.00 M Flushing Hydraulic Head at STP = 317.70 M
	2	1 to D	27	294	294	1470	0	253175	85080	31380	0.29	150	0.001	60	0.06	242.80	317.54	242.80	317.54	74.74	
	3	1 to C	0	294	294	1470	0	253175	85080	31380	0.29	150	0.001	60	0.06	242.85	317.51	242.85	317.51	74.69	
	4	1 to G	0	0	0	0	0	0	0	0	0.29	150	0.001	200	0.20	242.65	317.31	242.65	317.31	74.65	
	5	1 to 5, 6, 7	256	256	256	1180	50940	257490	84972	31804	0.43	150	0.001	145	0.43	242.60	317.17	242.60	317.17	74.57	
	6	1 to 5, 6, 7	256	256	256	1180	50940	257490	84972	31804	0.43	150	0.001	145	0.43	242.65	317.16	242.65	317.16	74.49	
	7	7, 8, comm., all.	0	236	236	1180	50940	257490	84972	31804	0.29	150	0.001	55	0.05	342.55	317.11	342.55	317.11	74.47	
	8	7, 8, comm., all.	0	236	236	1180	50940	257490	84972	31804	0.29	150	0.001	55	0.05	342.60	317.04	342.60	317.04	74.44	
	9	7, 8, comm., all.	138	0	0	0	30000	30000	9600	3712	0.14	300	0.005	05	0.28	342.70	316.78	342.70	316.78	74.08	
	10	comm., all.	0	0	0	0	30000	30000	9600	3712	0.14	300	0.005	05	0.28	342.80	316.72	342.80	316.72	75.92	
	11	7, 8, comm., all.	0	118	118	590	6405	108210	35709	13311	0.31	100	0.002	40	0.08	242.70	316.96	242.70	316.96	74.26	
	12	7, 8, comm., all.	118	0	0	0	0	0	0	0	0.31	100	0.002	40	0.08	242.80	316.77	242.80	316.77	73.97	

DESIGN STATEMENT OF SEWERAGE SCHEME

SUBHEAD : SEWERAGE SCHEME - DESIGN CALCULATION

S. Line Reference No.	Line Reference		Tower No.	Unit / Flat		Population @ 3 person per flat	Water Requirement at @ 172.50 L/PCD	Other Requirement (i.e. comm. / building / Anganwadi)	Total water requirement (L/D)	Sew. Quantity after expansion in excess @ 25% (In L/D)	Discharge Peak Flow (lpcd/sec)	Pipe Size (mm)	In (m)	Velocity (m/sec)	Carrying capacity of pipe (m ³ /sec)	Length in Mts	Fall + Extra Fall in line due to slope (m)	Ground Level		Formation Level		Invert Level		Depth		
	From	To		Self	Branch													Total	Start	End	Start	End	Start	End	Start	End
1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	A	B	7.8.com m	118	0	118	590	101775	21435	40588	0.0034	100	225	0.76	0.012	125	0.56	242.60	242.30	242.80	241.90	241.24	241.24	0.90	1.26	1.08
2	B1	B	7.8.com m	118	0	118	590	101775	15000	116775	0.0012	100	225	0.76	0.012	95	0.42	242.60	242.30	242.70	241.70	241.28	241.28	1.00	1.22	1.16
3	B	C	7.8.com m	0	236	236	1180	203550	53840	257390	0.0071	250	305	0.76	0.019	130	0.42	242.30	242.60	242.60	241.25	240.83	240.83	1.35	1.77	1.56
4	C	D	1 to 4, 50000 T.B	236	236	472	2360	407100	53840	460940	0.0118	300	385	0.76	0.027	140	0.16	242.40	242.50	242.60	240.80	240.44	240.44	1.89	2.26	2.03
5	D2	D2	1 to 6	294	0	294	1470	253575	0	253575	0.0070	250	305	0.76	0.019	135	0.18	242.30	242.60	242.65	241.65	241.02	241.02	1.00	1.81	1.42
6	D2	D1	1 to 6	0	294	294	1470	253575	0	253575	0.0070	250	305	0.76	0.019	40	0.18	242.60	242.66	242.85	242.80	241.02	240.88	1.89	1.91	1.87
7	D1	D	1 to 6	58	294	352	1760	308910	0	308910	0.0084	300	385	0.76	0.027	65	0.16	242.60	242.50	242.50	240.70	240.85	240.70	1.48	3.00	1.72
8	D	S.T.P.	1 to 8, comm.	0	824	824	4120	710700	53040	763740	0.0212	400	570	0.76	0.048	20	0.03	242.50	242.50	242.70	240.41	240.38	240.38	2.30	2.32	2.31
9	STP	4000														55	0.75	242.50	242.50	242.70	240.40	240.35	239.95	2.00	2.45	2.23

By Pumping (Boosting) D1. Pipe 200mm (d = 160 liter upto Master Sewerage (MSWP))

DESIGN CALCULATION OF STORM WATER DRAINAGE SCHEME
 INTENSITY OF RAIN FALL = 0.006 MTR /HR
 IMPERMEABILITY FACTOR = 0.6

S. No.	Name of Node		Area (Suff) SQM	Area (Suff) In Acre	Branch Area In Acre	Total Area In Acre	Total Area In Heccter	Rain fall mm/hr.	Discharge @ 15.36 HRS In LPS	Length In Mtr	Pipe dia In mm	Slope In Mtr	Velocity In m/sec	Cap. Of drain IN LPS	Fall + Extra Fall IN Mtr	Ground Level		Formation Level		Insert Level		Depth of M.J.P's		Remarks	
	From	To														Start	End	Start	End	Start	End	Start	End		Start
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
	A	B	4875	1.20	0	1.20	0.49	6.00	8.46	395	400	570	0.76	98.57	0.34	242.60	242.30	242.85	242.65	242.85	241.51	1.00	1.18	1.07	
	B	C	1800	0.44	1.2	1.64	0.67	6.00	11.56	90	400	570	0.76	98.57	0.15	242.10	242.20	242.65	242.60	241.31	241.36	1.14	1.24	1.19	
	C	D	800	0.20	1.64	1.84	0.74	6.00	12.91	30	400	570	0.76	98.57	0.05	242.20	242.60	242.60	242.30	241.36	241.31	1.24	1.19	1.21	
	D	E	750	0.19	0	0.19	0.08	6.00	1.30	25	400	570	0.76	98.57	0.04	242.80	242.60	242.85	242.80	241.85	241.81	1.00	0.98	1.00	
	E	F	8500	1.11	0.19	1.30	0.53	6.00	9.15	380	400	570	0.76	98.57	0.31	242.60	242.50	242.60	242.60	241.50	241.50	1.10	1.06	1.08	
	F	G	700	0.17	1.3	1.47	0.60	6.00	10.35	35	400	570	0.76	98.57	0.06	242.50	242.00	242.50	242.50	241.21	241.26	1.19	1.24	1.22	
	G	H	150	0.04	3.31	3.35	1.25	6.00	23.31	30	400	570	0.76	98.57	0.05	242.00	242.00	242.50	242.50	241.80	241.84	1.10	1.06	1.08	
	H	I	3325	0.82	0	0.82	0.33	6.00	5.77	95	400	570	0.76	98.57	0.16	242.60	242.30	242.80	242.70	241.80	241.84	1.00	1.06	1.03	
	I	J	1200	0.30	0.82	1.12	0.45	6.00	7.84	40	400	570	0.76	98.57	0.07	242.30	242.30	242.70	242.80	241.64	241.57	1.06	1.03	1.05	
	J	K	875	0.22	0	0.22	0.09	6.00	1.52	15	400	570	0.76	98.57	0.06	242.60	242.60	242.80	242.70	241.80	241.78	1.00	0.96	0.98	
	K	L	3675	0.91	0.22	1.13	0.46	6.00	7.93	105	400	570	0.76	98.57	0.18	242.60	242.30	242.70	242.60	241.78	241.66	0.96	1.04	1.00	
	L	M	402	0.10	2.24	2.34	0.95	6.00	16.44	35	400	570	0.76	98.57	0.06	242.30	242.30	242.55	242.55	241.56	241.50	1.04	1.09	1.05	

ROADS

AREA DETAIL		
NO.	DESCRIPTION	AREA (SQ. M)
1	COVERED AREA	1127.07
2	OPEN AREA	1127.07
3	TOTAL COVERED AREA	2254.14
4	TOTAL OPEN AREA	2254.14
5	TOTAL AREA	4508.28

PERMITTED FLOOR AREA (F.A.):

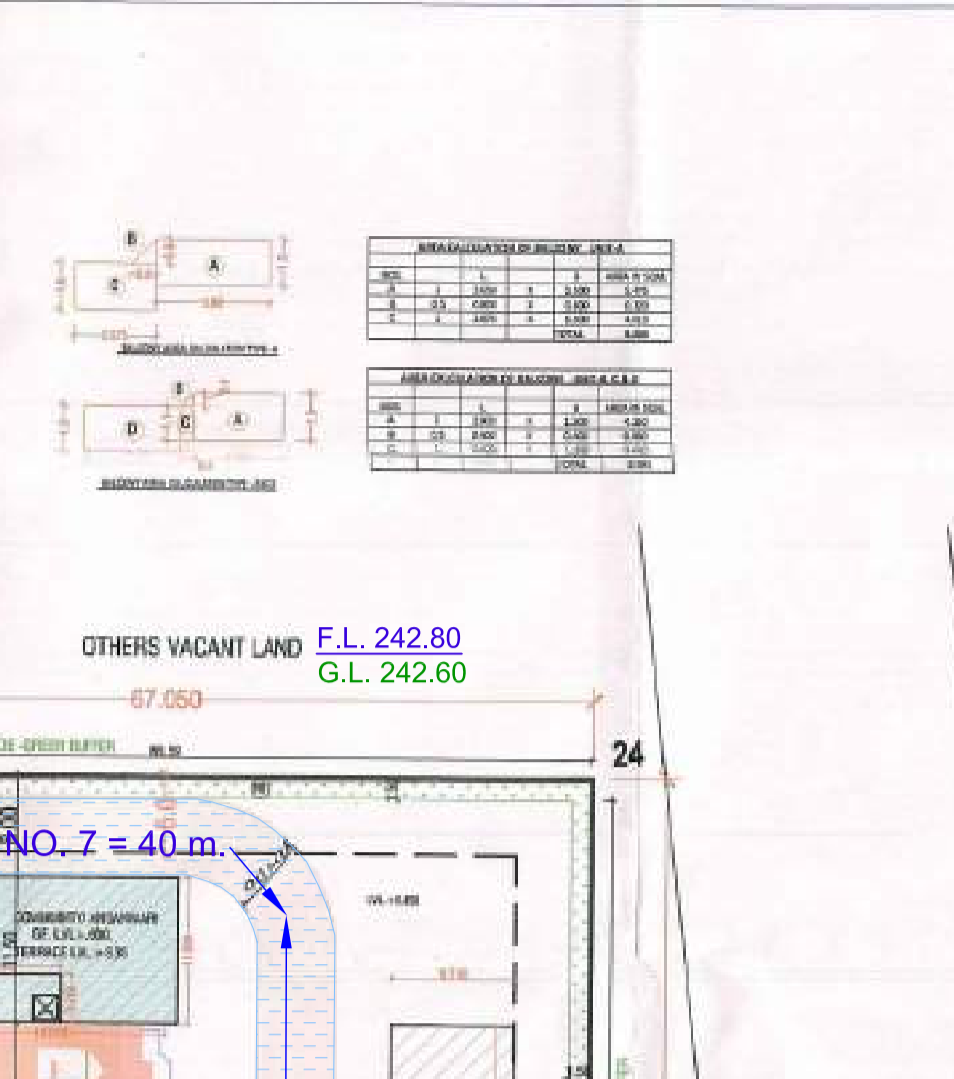
NO.	DESCRIPTION	AREA (SQ. M)
1	COVERED AREA	1127.07
2	OPEN AREA	1127.07
3	TOTAL COVERED AREA	2254.14
4	TOTAL OPEN AREA	2254.14
5	TOTAL AREA	4508.28

PERMITTED FLOOR AREA (F.A.):

NO.	DESCRIPTION	AREA (SQ. M)
1	COVERED AREA	1127.07
2	OPEN AREA	1127.07
3	TOTAL COVERED AREA	2254.14
4	TOTAL OPEN AREA	2254.14
5	TOTAL AREA	4508.28

DETAIL OF COVERED AREA FLOOR TOWERWISE		
TOWER	FLOOR	AREA (SQ. M)
TOWER-1	GROUND FLOOR	1127.07
	FIRST FLOOR	1127.07
	SECOND FLOOR	1127.07
	THIRD FLOOR	1127.07
	FOURTH FLOOR	1127.07
	FIFTH FLOOR	1127.07
	SIXTH FLOOR	1127.07
	SEVENTH FLOOR	1127.07
	EIGHTH FLOOR	1127.07
	NINTH FLOOR	1127.07
TOWER-2	GROUND FLOOR	1127.07
	FIRST FLOOR	1127.07
	SECOND FLOOR	1127.07
	THIRD FLOOR	1127.07
	FOURTH FLOOR	1127.07
	FIFTH FLOOR	1127.07
	SIXTH FLOOR	1127.07
	SEVENTH FLOOR	1127.07
	EIGHTH FLOOR	1127.07
	NINTH FLOOR	1127.07

DETAIL OF FLATS, TOWER & FLOORWISE		
TOWER	FLOOR	NO. OF FLATS
TOWER-1	GROUND FLOOR	1
	FIRST FLOOR	1
	SECOND FLOOR	1
	THIRD FLOOR	1
	FOURTH FLOOR	1
	FIFTH FLOOR	1
	SIXTH FLOOR	1
	SEVENTH FLOOR	1
	EIGHTH FLOOR	1
	NINTH FLOOR	1
TOWER-2	GROUND FLOOR	1
	FIRST FLOOR	1
	SECOND FLOOR	1
	THIRD FLOOR	1
	FOURTH FLOOR	1
	FIFTH FLOOR	1
	SIXTH FLOOR	1
	SEVENTH FLOOR	1
	EIGHTH FLOOR	1
	NINTH FLOOR	1

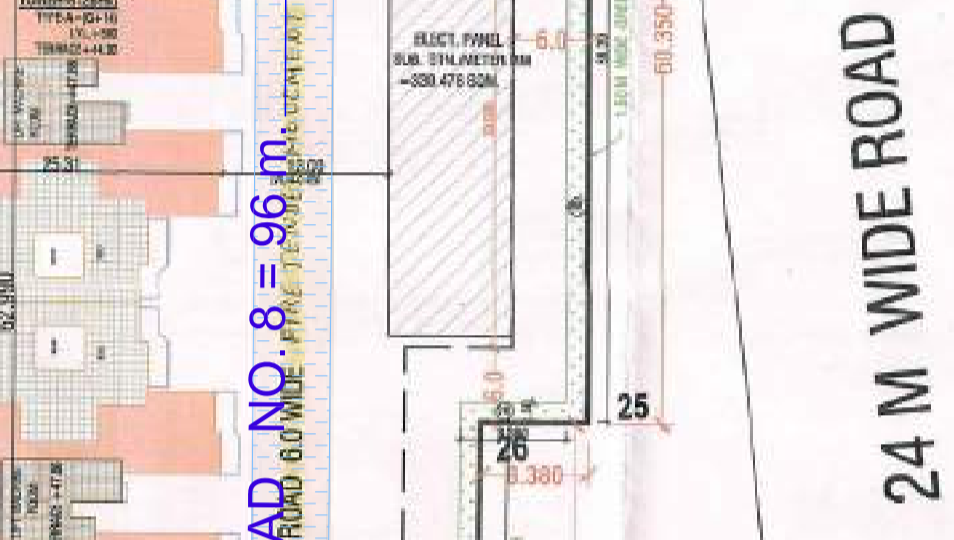


PROPOSED BUILDING PLAN OF AFFORDABLE GROUP HOUSING COLONY OVER AN AREA MEASURING 5.6672 ACRES (LIC No.133 of 2019 Dated: 16.12.2019) OF VILLAGE - ULAVAS & BEHAMPUR, SECTOR-50, GURUGRAM BEING DEVELOPED BY GOLDEN VIEW BUILDERS PVT. LTD. & OTHERS C/O COMMANDER REALTORS PVT. LTD.

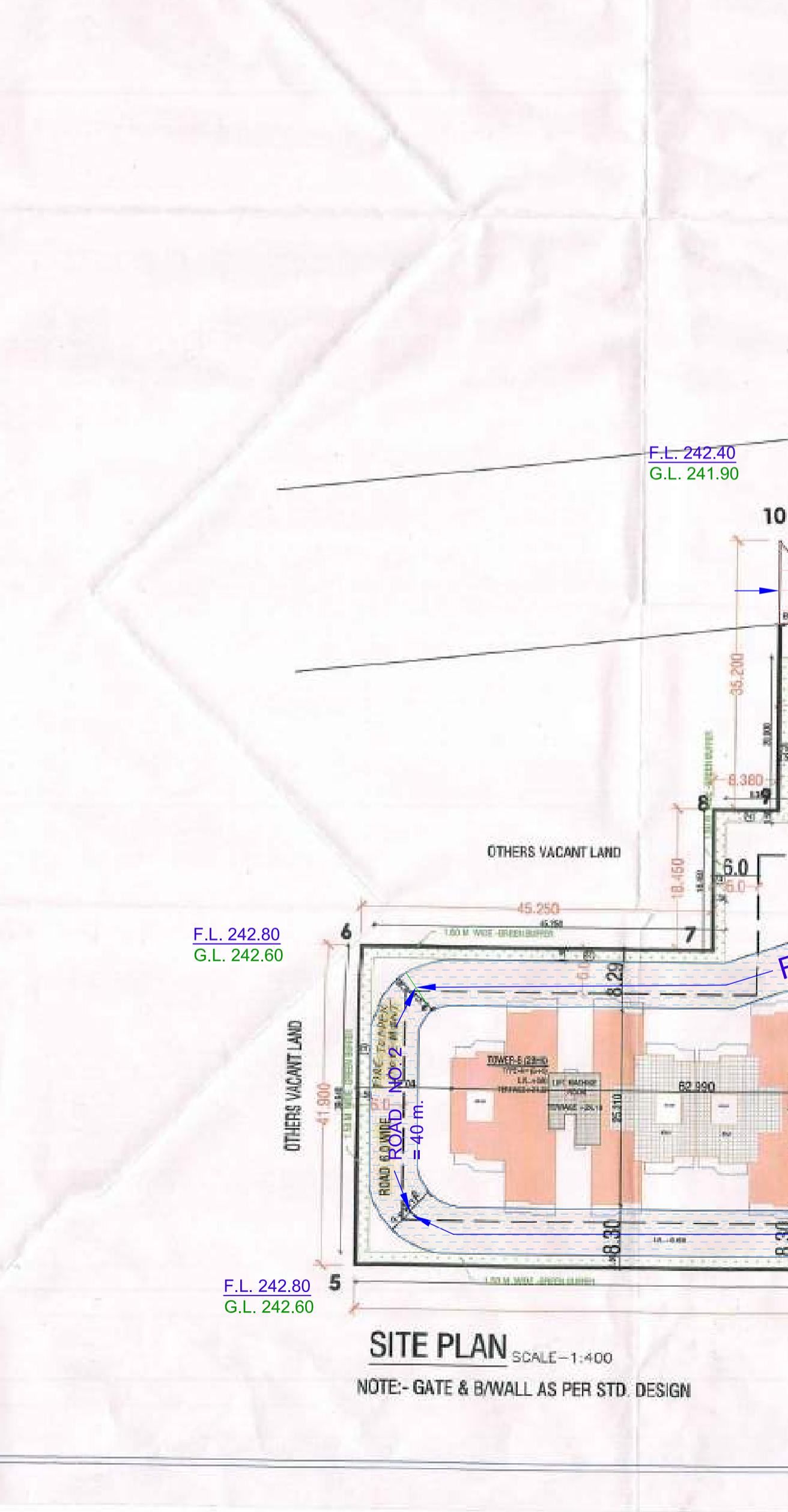
DETAIL OF COVERED AREAS & F.A.		
FLOOR	TOWER-1	TOWER-2
GROUND FLOOR	1127.07	1127.07
FIRST FLOOR	1127.07	1127.07
SECOND FLOOR	1127.07	1127.07
THIRD FLOOR	1127.07	1127.07
FOURTH FLOOR	1127.07	1127.07
FIFTH FLOOR	1127.07	1127.07
SIXTH FLOOR	1127.07	1127.07
SEVENTH FLOOR	1127.07	1127.07
EIGHTH FLOOR	1127.07	1127.07
NINTH FLOOR	1127.07	1127.07

AREA CALCULATION OF MUMULTY & MACH. ROOM - TOWERS 1 to 2		
NOS.	AREA (SQ. M)	TOTAL AREA (SQ. M)
1	47.86	47.86
2	45.99	45.99
3	44.99	44.99
4	41.94	41.94
5	38.99	38.99
6	30.18	30.18
7	21.14	21.14
8	24.18	24.18
9	21.22	21.22
10	18.26	18.26
11	15.30	15.30
12	12.34	12.34
13	9.38	9.38
14	6.42	6.42
15	3.46	3.46
16	0.49	0.49
17	0.00	0.00

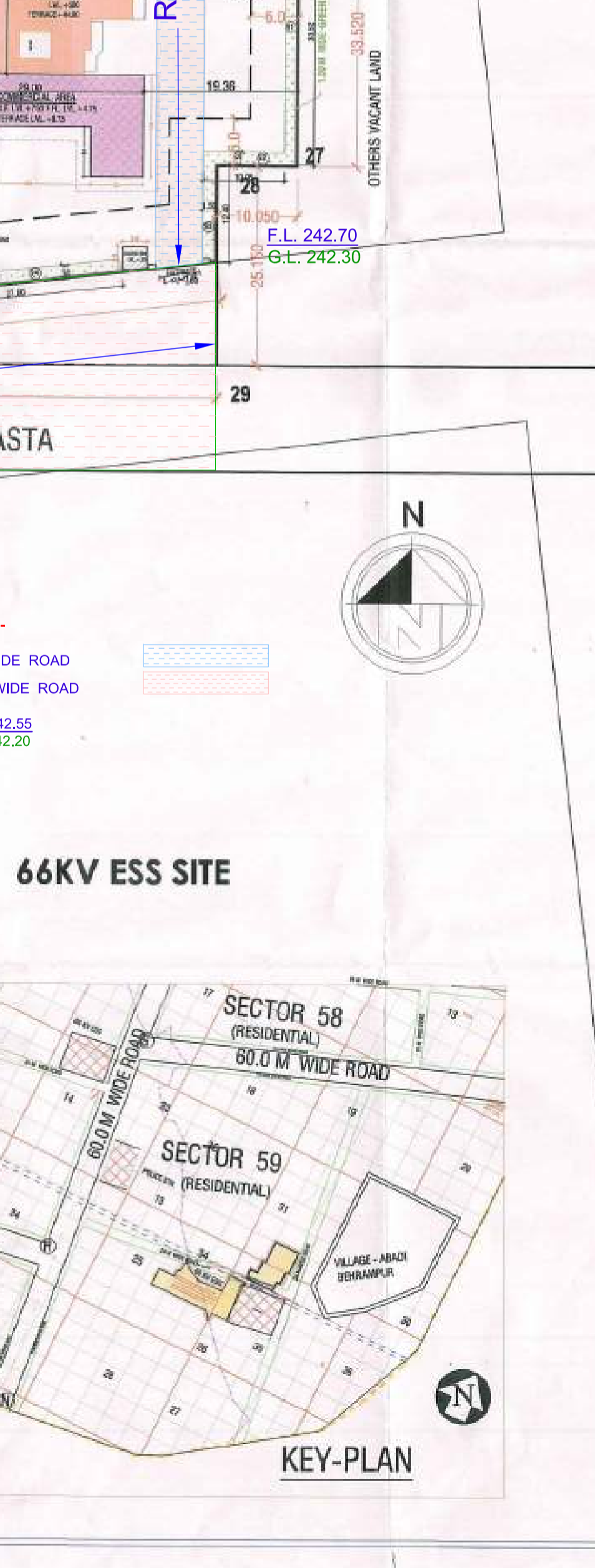
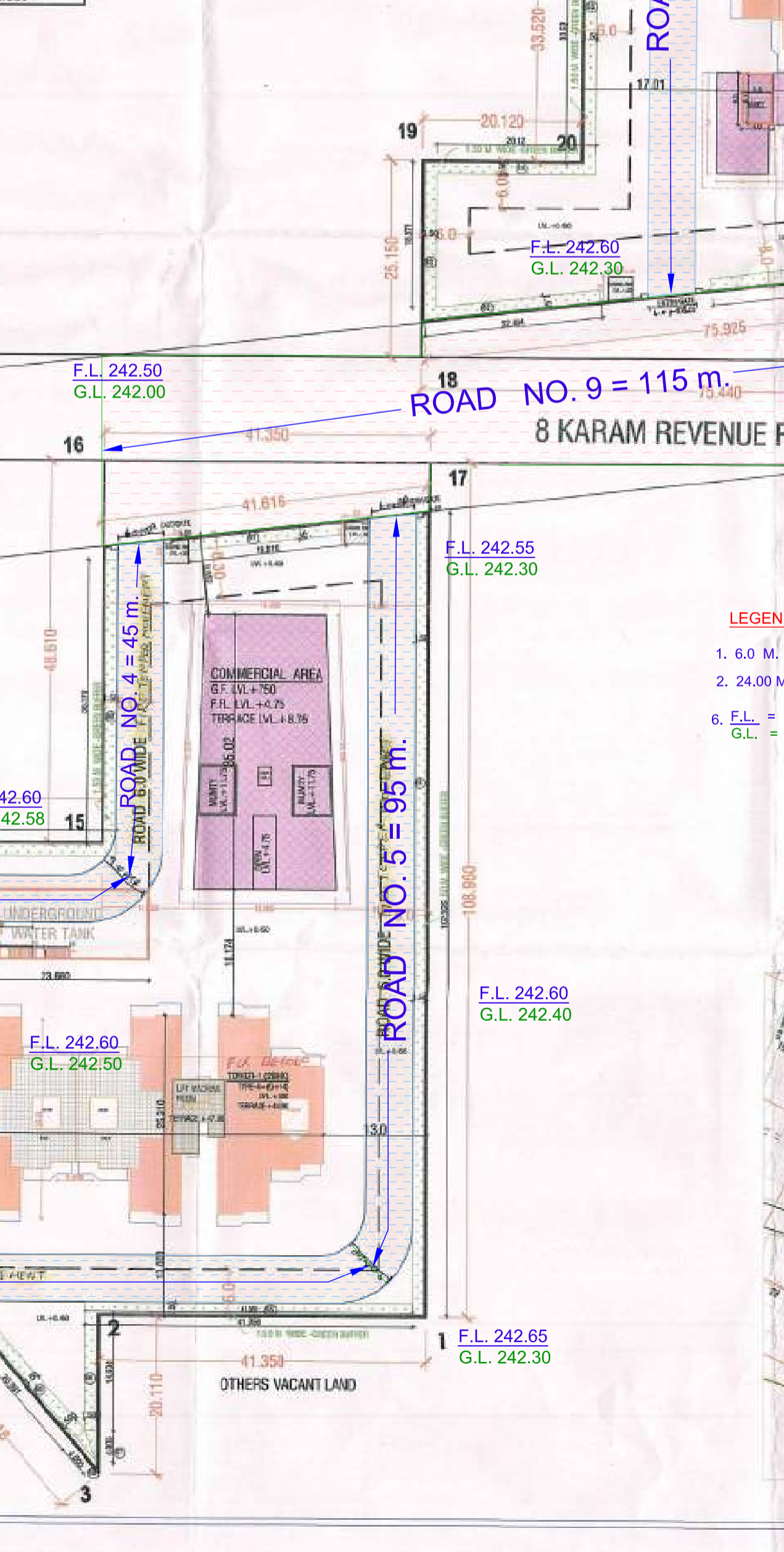
DETAIL OF FLOOR LEVELS TOWER		
FLOOR	LEVEL	AREA (SQ. M)
MUMULTY	47.86	47.86
PARAPET LVL	45.99	45.99
TERRACE LVL	44.99	44.99
FOURTEEN FLOOR	41.94	41.94
THIRTEEN FLOOR	38.99	38.99
TWELVE FLOOR	36.02	36.02
ELEVENTH FLOOR	33.06	33.06
TENTH FLOOR	30.10	30.10
NINTH FLOOR	27.14	27.14
EIGHTH FLOOR	24.18	24.18
SEVENTH FLOOR	21.22	21.22
SIXTH FLOOR	18.26	18.26
FIFTH FLOOR	15.30	15.30
FOURTH FLOOR	12.34	12.34
THIRD FLOOR	9.38	9.38
SECOND FLOOR	6.42	6.42
FIRST FLOOR	3.46	3.46
GROUND FL. LVL	0.49	0.49
OPEN AREA LVL	0.00	0.00
GOVT. ROAD LVL	0.00	0.00



PROPOSED BUILDING PLAN OF AFFORDABLE GROUP HOUSING COLONY OVER AN AREA MEASURING 5.6672 ACRES (LIC No.133 of 2019 Dated: 16.12.2019) OF VILLAGE - ULAVAS & BEHAMPUR, SECTOR-50, GURUGRAM BEING DEVELOPED BY GOLDEN VIEW BUILDERS PVT. LTD. & OTHERS C/O COMMANDER REALTORS PVT. LTD.



AREA CALCULATION OF MUMULTY & MACH. ROOM - COMMERCIAL 1 to 3		
NOS.	AREA (SQ. M)	TOTAL AREA (SQ. M)
1	47.86	47.86
2	45.99	45.99
3	44.99	44.99
4	41.94	41.94
5	38.99	38.99
6	30.18	30.18
7	21.14	21.14
8	24.18	24.18
9	21.22	21.22
10	18.26	18.26
11	15.30	15.30
12	12.34	12.34
13	9.38	9.38
14	6.42	6.42
15	3.46	3.46
16	0.49	0.49
17	0.00	0.00



PROPOSED BUILDING PLAN OF AFFORDABLE GROUP HOUSING COLONY OVER AN AREA MEASURING 5.6672 ACRES (LIC No.133 of 2019 Dated: 16.12.2019) OF VILLAGE - ULAVAS & BEHAMPUR, SECTOR-50, GURUGRAM BEING DEVELOPED BY GOLDEN VIEW BUILDERS PVT. LTD. & OTHERS C/O COMMANDER REALTORS PVT. LTD.

