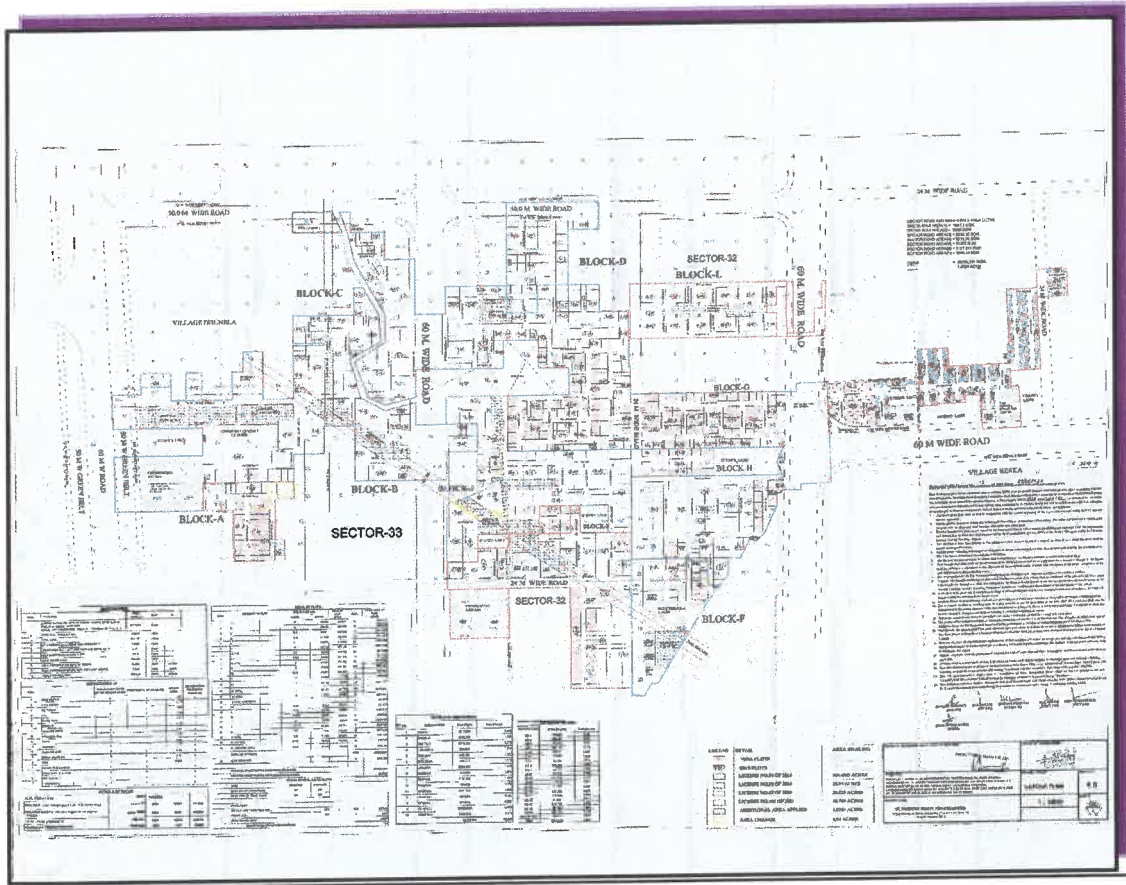


Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD



Estimate for providing water supply, Sewerage, Storm, Water Drainage, Roads, Street lighting and Horticulture OF

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres, Now Total Area – 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

Author's Signature

For ST. PATRICKS REALTY PVT.LTD

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

The applicant Company grant a part completion of the following land.

- PART COMPLETION OF AREA **124.77 ACRES** GRANTED BY, DTCP Memo No-LC-2841E+F+G-II/JE(DS)/2022/35189 Dated-23-11-2022
- PART COMPLETION OF AREA **16.63 ACRES** GRANTED BY, DTCP Memo No-LC-2841E+F+G-II/JE(DS)/2023/16079 Dated-26-05-2023
- PART COMPLETION OF AREA **4.467 ACRES** GRANTED BY , DTCP Memo No-LC-2841-IV/JE(SK)/2024/39970 Dated-16-12-2024
- PART COMPLETION OF AREA **14.969 ACRES** GRANTED BY, DTCP Memo No-LC-2841-IV/JE(SK)/2024/41688 Dated-27-12-2024

REPORT

ESTIMATE FOR PROVIDING WATER SUPPLY, SEWERAGE, STORM WATER DRAINAGE, ROADS, STREET LIGHTING AND HORTICULTURE IN RESPECT OF 197.1607 ACRES PROPOSED RESIDENTIAL PLOTTED COLONY "CENTRAL PARK FLOWER VALLEY IN SECTOR-29, 30, 32 & 33, VILLAGE DHUNELA & BERKA, SOHNA, DISTT, GURGAON HARYANA.

Dhunela & Berka, villages in Sohna, District Gurgaon of Haryana State situated near Jaipur Highway at a distance of 50 Kms from Delhi. Being the National Capital Region, the town has fast developed tendency and potential. Further, it has also started sharing the growing residential load of Delhi. In order to relieve the growing pressure of population in National Capital of Delhi, it has been decided by the Haryana Govt. to establish various residential and other infrastructure sectors in village Dhunela & Berka Distt. Gurgaon St. Patricks Realty Pvt. Ltd. is developing a residential Plotted colony "Central Park Flower Valley" in Sector 29,30,32 &33 village Dhunela & Berka, Sohna, Distt. Gurgaon.

This report and estimate is for Plotted Colony at village Dhunela & Berka Distt. Gurgaon over an area measuring 197.1607 Acres.

WATER SUPPLY

At present the source of water supply in this area is water Tankers/ Temp. Borewells/HSVP Water Supply. It has been proposed to construct the underground tanks of capacity as per attached details, and at location for domestic purpose and for fire protection. The underground tanks will be fed from the tankers and HSVP supply, which will feed overhead tanks on the roof of the buildings. The water supply system has been designed as per Haren Williame formula.

Authorized Signatory
For St. Patricks Realty Pvt. Ltd.

For **ST. PATRICKS REALTY PVT.LTD**
Authorised Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

DESIGN

The scheme has been designed for a population of approx. 24845 persons for Township. The rate of water supply per head 7-day has been taken as 172.50 liters as per HSVP norms in addition to the above necessary provision of water for club and parks etc. have been considered for calculating the maximum quantity of water requirement

PUMPING REQUIREMENTS

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 electricity failure.

UNDERGROUND STORAGE TANK

Underground storage tank provision has been made in two compartments, which cater for the domestic as well as for firefighting requirement. The water for firewater compartment shall overflow to the domestic compartment so that the water in the fire compartment also remain full & fresh and will not contaminate.

BOOSTING STATION

The boosting station is being planned near the underground storage tank catering to the above requirement.

DISTRIBUTION SYSTEM

The distribution system for this development has been designed to supply 172.50 liter per day 3 times the average rate of flow on Hazen William formula. Necessary provision for laying Ci/Di pipes conforming to relevant IS standard along with valves and special has been made in the project. The minimum terminal head at any point will be more than 35 so that it can be served as the G + 2 floors construction envisaged in the plan. Minimum pipe dia for distribution is Kant as 100 mm dia

RISING MAIN

Raising the main from HSVP water main or sector road to water work have also been proposed as provision has been made in this estimate.

SEWERAGE SCHEME

This scheme has been designed for sewer connecting to STP & overflow of STP connected to HSVP sewer main. The sewerage system has been marked on respective plans.

The sewer lines have been designed for three times average D.W.F. in relation to water supply demand. It has been assumed that about 80% of the domestic water supply shall find its way into the proposed sewer. Sewer lines shall be laid to a gradient maintaining

For St. Patricks Realty Pvt. Ltd.
Authorized Signatory

For ST. PATRICKS REALTY PVT.LTD Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

minimum 2.46 ft/sec self-cleaning velocity. Necessary provision for laying S.W./R.C.C. pipe sewer line, construction of required number of manholes etc. has been made in the estimate

The necessary design statement for the entire sewerage system has been prepared and attached with an estimate. Manning's formula has been used for the design of sewerage system,

STORM WATER DRAINAGE

Since the Master Scheme has been proposed with pipe drain, we proposed to lay pipe drains with required number of catch basins for disposal of storm water. The intensity of rain fall has been taken as 40 mm per hour. A minimum size of 400 mm dia pipe storm water pipe will be provided and designed as per Manning's formula

FIRE

As per N.B.C. (National Building Code), fire tanks & required capacity pumps have been provided with the plan as shown on the plan. Similarly, irrigation pumps of required spacing are provided as shown on the plan.

SPECIFICATIONS

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

ROADS

The roads in the colony have been planned as minimum 12M wide. The following specification have been adopted which are reproduced below:

The specification of roads:

1. GSB-200 mm in one layer.
2. WBM-250 mm in Three layer.
3. DBM-50 mm thick.
4. M55- 25 mm thick BC

The above construction shall be done on well compacted sub grade as per specifications. Complete work to be carried out as per MORTH specification, IRC guidelines or HSVP specification, whichever ever applicable

STREETLIGHTING

Provision of lighting on surrounding area has been made.

HORTICULTURE

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

For St. Patricks Realty Pvt. Ltd.
Authorized Signatory

For ST. PATRICKS REALTY PVT.LTD Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

RATES

The estimate has been prepared based on the present market rates.

COST

The total cost of the development in this Project Phase one including various PH & B & R services works out to ~~Rs. 14444.35 Lakhs~~^{14445.91} which include 3 % contingency and P.E charges and 49% departmental charges price escalation, unforeseen, administrative charges.

The cost per gross acre for this phase works out to ~~Rs. 73.261 Lakhs~~^{73.27} 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.

For St. Patricks Realty Pvt. Ltd.
Authorized Signatory


For ST. PATRICKS REALTY PVT.LTD. natory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM being developed by ST. PATRICKS REALTY PVT.LTD

DAILY WATER REQUIRMENT					
A	General Category of Plots				
S.No	Category of Plots			Number of plots	
1	PLOT =	A	=	10	Nos
2	PLOT =	B	=	10	Nos
3	PLOT =	C	=	55	Nos
4	PLOT =	D	=	45	Nos
5	PLOT =	E	=	73	Nos
6	PLOT =	F	=	170	Nos
7	PLOT =	F2 (NPNL)	=	31	Nos
8	PLOT =	F3	=	10	Nos
9	PLOT =	G1 (NPNL)	=	62	Nos
10	PLOT =	G	=	357	Nos
11	PLOT =	G2	=	4	Nos
12	PLOT =	H	=	104	Nos
13	PLOT =	H1	=	167	Nos
14	PLOT =	H2 (NPNL)	=	295	Nos
15	PLOT =	H3 (NPNL)	=	39	Nos
16	PLOT =	H4 (NPNL)	=	7	Nos
17	PLOT =	H5	=	8	Nos
18	PLOT =	L	=	8	Nos
19	PLOT =	N	=	6	Nos
20	PLOT =	T	=	7	Nos
21	PLOT =	V	=	32	Nos
22	PLOT =	V1 (NPNL)	=	29	Nos
23	PLOT =	M	=	18	Nos
24	PLOT =	M1 (NPNL)	=	30	Nos
Total Plots			=	1577	Nos
Population @ 13.50 Persons per Plot			=	21289.5	Persons
B	EWS PLOTS DETAIL				
25	PLOT =	J (EWS)	=	395	Nos
Population @ 9.00 Persons per Plot			=	3555	Persons
TOTAL POPULATION (A+B)			=	24845	Persons
Water requirement 172.50LPCD			=	4285762.50	Liters

For St. Patricks Realty Pvt. Ltd.
Authorized Signatory

For ST. PATRICKS REALTY PVT.LTD Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

As Per Already Approved Estimate from which the Completion has been Granted Area = 192.3323 Acres (Licence No-54 of 2014 Dated 20-06-2014, Licence No-28 of 2016 dated 23-12-2023, Licence No-07 of 2020 dated 29-01-2020 and Licence No-104 of 2021 dated 10-12-2021)			As Per Additional area 4.8284 Acres (Licence No-13 of 2024 Dated 29-01-2024) Drawing No-9982 dated 30/01/2024		Total Area 197.1067 Acres	
Number of Plots (General Category)	1530	No's	47	No's	1577	No's
EWS Category	383	No's	12	No's	395	No's
Total	1913	No's	59	No's	1972	No's

COMMERCIAL							
C	a)	Commercial (4.116 Acres)	=	16657	Sq.mt		
	=	Population @ 10 Sq.mt per Person	=	1666	Persons		
	=	Shopkeepers 10% 45 LPCD = 167 x 45	=	7515	Liters		
	=	Visitors 90% 15 LPCD = 1499 x 15 LPCD	=	22485	Liters		
	b)	Commercial (3.419 Acres)	=	13836	Sq.mt		
	=	Population @ 10 Sq.mt per Person	=	1384	Persons		
	=	Shopkeepers 10% 45 LPCD = 139 x 45	=	6255	Liters		
	=	Visitors 90% 15 LPCD = 1245 x 15 LPCD	=	18675	Liters		
	TOTAL REQUIREMENT FOR COMMERCIAL			=	54930	Liters	
	COMMUNITY SITES						
D	a)	Nursery School 5 No's (1.00 Acres)	=	4046	Sq.mt		
		Population @ 4 Sq.mt / Students	=	1012	Students		
		water requirements 45 LPCD	=	45540	Liters		
	b)	Creche 01 Nos 0.20 Acres	=	809.40	Sq.mt		
		Population @ 4 Sq.mt / Students	=	202	Students		
		water requirements 45 LPCD	=	9090	Liters		

D	c)	Primary School-3 No's (1.50 Acres)	=	6069	Sq.mt	
		Population @ 4 Sq.mt / Students	=	1517	Students	
		water requirement 45 LPCD	=	68276	Liters	
	d)	High School (2.00 Acres)	=	8094	Sq.mt	
		Population @ 4 Sq.mt / Students	=	2024	Students	
		water requirements 45 LPCD	=	91080	Liters	
	e)	Nursing Home-06 Nos (1.50 Acres)	=	6069	Sq.mt	
		Population 10 Sq.mt / Patient	=	606.9	Patients	
		water requirements 135 LPCD	=	81932	Liters	
	f)	Dispensary-01 Nos (1.25 Acres)	=	5000	Liters	
		Community Centre-01Nos (2.00 Acres)	=	8092	Sq.mt	
		Population 1.5 Sq.mt / Person	=	5395	Persons	
	g)	water requirement 15 LPCD	=	80920	Liters	
		ESS-01 Nos (0.58 Acres)	=	2347	Sq.mt	
		Population 100 Sq.mt / Person	=	24	Persons	
	h)	water requirements 45 LPCD	=	1080	Liters	
		Taxi Stand-01 Nos (1.50 Acres)	=	6070	Sq.mt	
		Population 100 Sq.mt / Person	=	61	Persons	

Authorized Signatory

For ST. PATRICKS REALTY PVT.LTD. Authorized Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

	water requirement 15 LPCD	=	915	Liters
	Religious Building-01 Nos (0.20 Acres)	=	809.2	Sq.mt
j)	Population 100 Sq.mt / Person	=	80.92	Persons
	water requirement 15 LPCD	=	1214	Liters
	Maintenance Staff	=	25	Persons
k)	water requirements 45 LPCD	=	1125	Liters
	Back Wash Filters (LS)	=	20000	Liters
	TOTAL REQUIREMENT FOR COMMUNITY SITES	=	406166	Liters

TOTAL REQUIREMENT FOR COMMERCIAL + COMMUNITY SITE

= 54930 + 406166 = 461096 Liters

Horticulture & road Works					
E)	a)	Area Under Parks = 15.634 Acres (15.366+0.268)	=	63268.45	Sq.mt
		water requirement 25 KL/Acres	=	390850	Liters
	b)	Area Under Road + Paved Area (197.1607- (66.71+15.634))	=	114.82	Acres
		water requirement 5 KL/Acres	=	574100	Liters
	Total Water Demand		=	964950	Liters
	SAY		=	965	KL

The demand of Horticulture and road work will met from recirculating water after treatment at STP

Total water Demand = 4285676 + 461096		=	4746772	KL
SAY		=	4750	KLD

Domestic water Demand				
65% of AV/WD of (A+B) + 35% of Commercial (C+D)		=	2947073	Liters/day
Domestic water Demand (KLD)		=	2947.07	KLD
Say		=	2950	2750
Flushing water Demand				
35% of AV/WD of (A+B) + 65% of Commercial (C+D)		=	1799700	Liters/day
Domestic water Demand (KLD)		=	1799.70	KLD
Say		=	1800	KLD

Sewerage treatment plant Capacity				
Average sewerage Contribution Considering 80% of AV domestic water demand & 90% of AV/Flushing Demand.		=	3977388	Liters/day
Sewerage treatment plant Capacity (KLD)		=	3977.38	KLD
SAY		=	4000	KLD
Sewerage Scheme				
Peak discharge 3 times of sewerage Discharge plus sub soil infiltration 10% of Total water demand.		=	12029756	Liters
		=	2643639	GPD
		=	4.90	Cusecs
Hence 600mm Dia having design capacity 5.42 cusses is sufficient to carry the above discharge.				

For St. Patricks Realty Pvt. Ltd.
Authorized Signatory

For ST. PATRICKS REALTY PVT.LTD Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

1. TUBE WELLS: -

Approx. discharge of borewells 18KL/Hour and working 16 Hour/Day

a) Total domestic water demand = KLD	=	2950
b) Number of Bore wells 2950/ (18 X 16)	=	10.24
Add 10% extra	=	1.00
Total	=	11.26
Say	=	12 No's

Taking 50% of T.E = 06 No's

So, It is proposed to provide 06 No's of tube well (**Applied Estimate**) moreover, the water demand for Horticulture purpose is to met from recirculated water after treatment at STP and ultimate water supply is to provided by HSVP.

2. PUMPING MACHINERY FOR TUBE WELL HEAD OF PUMP: -

1) Gross working head	=	50.00 Mts
2) Average Fall in S. L	=	5.00 Mts
3) Depression head	=	5.00 Mts
4) <u>Friction Loss in Main + Positive head</u>	=	<u>10.00 Mts</u>
Total	=	70.00 Mts

BHP = $\frac{18000 \times 70 \times 100}{60 \times 60 \times 75 \times 60}$
 = With 60% efficiency = 7.78 B. H. P SAY = 10.00 HP

3. BOOSTING MACHINERY (DRINKING WATER)

Daily requirement for Domestic Use	=	2950 KL
Assuming 6 Hour running 1 pump (With one stand by)	=	8194.44 LPM
Discharge / hour = $\frac{2950 \times 1000}{60 \times 6}$		
7 Nos pump with one Standby	=	117063 LPM
Say	=	1250 LPM

Gross Working Head	=	
- Suction Lift	=	3.00 Meters
- Delivery Head	=	5.00 Meters
- Friction loss in Main & Specials + Positive head	=	7.00 Meters
- Clear Head required (G+2) = 10+2x4	=	18.00 Meters
- Total	=	33.0 Meters
- Or Say	=	35.00 Meters

For St. Patricks Realty Pvt. Ltd. Authorized Signatory

For ST. PATRICKS REALTY PVT LTD. Authorized Signatory

4. HP OF PUMP

$$\text{BHP of Motors} = \frac{1250 \times 35}{60 \times 75 \times 0.60} = 16.20$$

Say = 17.50 H.P

Additional Required = 50KLD
 6HR running 02 Nos Pump (01 working and 01 Standby)
50 KLD = 8.33 KLH or 138.88 LPM
 6 Say = 150 LPM

$$\text{BHP of Motors} = \frac{150 \times 35}{60 \times 75 \times 0.60} = 1.94$$

Say = 2.00 H.P

Hence, it is proposed to install 02 Nos Horizontal centrifugal / Submersible pump sets each capable of discharge 150 LPM at head of 35M with a motor of 2.0HP for Additional area.

5. UNDER GROUND WATER TANK FOR DRINKING WATER

- a) Daily demand Domestic use
 Including institutional demand = 2950 KL
- b) Capacity of underground tank
 Taking storage (25 + 33 = 58%)
 Say 60% of daily demand = 1770 KL Say 1800 KLD
 Fire tank provided as per NBC Norms
 Fighting 100√P
 = 100√24845 x 1/3 = 166.15 KL
 Say = 200 KL


Total Capacity = 1770+200 = 1970 KLD Say = 2000 KLD
 Capacity of Existing UGT's under Already Approved Estimate = 1950 KLD with 200 KLD Fire Storage.

Balance Capacity Required = 2000 KLD - 1950 KLD = 50 KLD

It is proposed to provide an additional underground tank of 50 KLD including Fire reserve as well as any further additional area . This tank will have two compartments, one tank for fire and the other one for domestic use the water first enters the fire compartment then overflow to the domestic use compartment so that the water in fire compartments she'll remain fresh.

6. UNDER GROUND STORAGE TANK (Flushing Water Supply)

- a) Daily requirement for flushing including horticulture
 1800 + 965 = 2765 KL
- b) Capacity of underground tank Storage

Authorized Signatory

 For ST. PATRICKS REALTY PVT. LTD

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

= (25 + 33 = 58%)
 Say 60% of daily demand = 1659 KL
 Say = 1660 KL

7. Boosting Machinery (Flushing water Supply)

(i) ~~AV Water demand~~ = ~~4279465~~
 Liters/day
 (ii) Flushing water Supply demand 35% of (A+B) + 65% = 1800 Liters /day
 For 6 Hour pumping = ~~4805.56~~ LPM *1800/6x4 = 75125*
 4 Nos pump with 01 Standby = ~~1201.39~~ LPM say 1250 LPM ✓
 Pump HP = 1250 x 35 x 100 = 16.20 HP Say 17.50 HP
 60 x 75 x 60

Pumps Already provide in approved estimate with 05Nos of motors 17.50 HP, 1250 LPM discharge at 35M head (04 pump working & 01 pump Standby & Generator sets of same Capacity in case of electric failure. Hence no additional Flushing water pump is required for additional area

8. Irrigation Pumps sets 04 Nos (03 Working and One as standby) of 700 LPM, 15M head with 5.0 HP has been provided against Already Approved Estimate of 192.3323 Acres area.

9. GEN.SETS

1) Borewell 06 Nos X 10.0 HP = 60.0 HP
 2) Additional 01 No X 2.0 HP = 2.0 HP
 3) Booster pump (Dom. + Flushing + Irrigation) (7 + 4 + 3)
 = (17.50+1750+5) = 207.50 HP
 4) Street Lighting = 50.00 HP
 = 319.50 HP
 319.50 + 0.746 + 1.50 = 357.52 KVA
 Say = 360 KVA

360 KVA Gen.Set has Already been provided in main Approved estimate, hence no Additional Capacity of Gen Set is required.

Authorized Signatory

For ST. PATRICKS REALTY PVT.LTD
 Authorized Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 18 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

FINAL ABSTRACT OF COST					
SUB WORKS	PERTICUERS	As per Already Approved Amount in Lakhs		New Additional or Revised land Amount in Lakhs	
SUB WORKS NO-1	WATER SUPPLY	1852.27	Lakhs	45.85	Lakhs
SUB WORKS NO-2	SEWERAGE	1403.91	Lakhs	37.27	Lakhs
SUB WORKS NO-3	STORM WATER DRAINAGE	1244.43	Lakhs	47.72	Lakhs
SUB WORKS NO-4	ROAD AND FOOTPATH	3733.90	Lakhs	397.76	Lakhs
SUB WORKS NO-5	STREET LIGHTING	753.700	Lakhs	2.760	Lakhs
SUB WORKS NO-6	HORTICULTURE	91.08	Lakhs	6.50	Lakhs
SUB WORKS NO-7	MAINTENANCE OF SERVICES FOR 10 YEAR INCLUDING RESURFACING OF ROAD AFTER 1st 5 YEAR AND 2nd 10 YEAR	4704.23	Lakhs	124.50	Lakhs
TOTAL COST		13783.52	Lakhs	662.36	Lakhs

Say 13783.55 Lakhs

- Cost as per Already Approved Estimate
i.e. 192.3323 Acres Area = Rs 13783.55 Lakhs
- Cost as per Additional area including 4.82854 Acres Area = Rs 662.36 Lakhs
- Complete Cost for 197.1607 Acres = Rs 14445.91 Lakhs**
- Say = **Rs 14445.91 Lakhs**
- Area = **197.1607 Acres**
- OR = **73.27 Lakhs per Acres**

Checked subject to Comments
In forwarding letter No. 107259
Dt. 03/04/2025 and notes
Attached with the estimate


Executive Engineer (M)
for Chief Engineer-I
HSVP, Panchkula


Director
Town & Country Planning
Haryana, Chandigarh

Authorized Signatory

For ST. PATRICKS REALTY PVT.LTD

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

FINAL ABSTRACT OF COST					
SUB WORKS	PERTICUERS	As per Already Approved Amount in Lakhs		New Additional or Revised land Amount in Lakhs	
SUB WORKS NO-1	WATER SUPPLY	1852.27	Lakhs	45.85	Lakhs
SUB WORKS NO-2	SEWERAGE	1403.91	Lakhs	37.27	Lakhs
SUB WORKS NO-3	STORM WATER DRAINAGE	1244.43	Lakhs	47.72	Lakhs
SUB WORKS NO-4	ROAD AND FOOTPATH	3733.90	Lakhs	396.776	Lakhs
SUB WORKS NO-5	STREET LIGHTING	753.700	Lakhs	2.760	Lakhs
SUB WORKS NO-6	HORTICULTURE	91.08	Lakhs	6.50	Lakhs
SUB WORKS NO-7	MAINTENANCE OF SERVICES FOR 10 YEAR INCLUDING RESURFACING OF ROAD AFTER 1st 5 YEAR AND 2nd 10 YEAR	4704.23	Lakhs	124.50	Lakhs
TOTAL COST		13783.52	Lakhs	660.82	Lakhs
Say		13783.55 Lakhs		662.36	

- Cost as per Already Approved Estimate i.e. 192.3323 Acres Area = Rs 13783.55 Lakhs
- Cost as per Additional area including 4.82854 Acres Area = Rs ~~660.82~~ Lakhs **662.36**
- Complete Cost for 197.1607 Acres = Rs 14444.33 Lakhs** **14445.91 las**
- Say = **Rs 14444.35 Lakhs** **14445.91 las**
- Area = **197.1607 Acres**
- OR = ~~73.261~~ Lakhs per Acres
- Rs 73.27**

Checked subject to Comments
In forwarding letter No. 107259
Dt. 03/04/2025 and notes
Attached with the estimate

Executive Engineer
HSVP Division No. VI
Gurugram

Executive Engineer (M)
for Chief Engineer-I
HSVP, Panchkula

Superintending Engineer,
HSVP, Circle-I, Gurugram

Director
Town & Country Planning
Haryana, Chandigarh

For St. Patricks Realty Pvt. Ltd.
Authorized Signatory

For ST. PATRICKS REALTY PVT. LTD. Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

ABSTRACT OF COST FOR WATER SUPPLY			
Sub Work No-1	Descriptions	Amount (Rs in Lakhs)	
		Already Approved	New Proposed
1	Head Works	443.65	6.52
2	Pumping machinery	130.45	-
3	Rising Main	17.70	-
4	Distribution System (Domestic + Flushing)	1089.10	39.33
5	Fire Fighting (Fire Hydrants)	13.56	
6	Irrigation	157.81	
Total		1852.27	45.85
(C/o to Final Abstract of cost)			

For St. Patricks Realty Pvt. Ltd.
Authorized Signatory

For ST. PATRICKS REALTY PVT.LTD
Authorized Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

SUB WORK NO- 1				WATER SUPPLY		
SUB HEAD NO- 01				HEAD WORKS		
S.no	Description	Qty	Rate	Already Approved	New Revised /Additional Land	
Amount (Rs in Lakhs)						
1	Boring and installing 200mm Dia tubewell with reverse rotary rig complete with pipe and strainer to depth of about 80M in all respect	6	@	1000000	60.00	-
2	Provision for Rising main connecting Bore Well with water main and bypass arrangement.					
2.1	100 mm dia. G.I Pipe	1010	@	1250	12.63	-
2.2	150 mm dia. G.I Pipe	775	@	1575	12.21	-
2.3	200 mm dia. G.I Pipe	485	@	2300	11.16	-
2.4	250 mm dia. G.I Pipe	70	@	2615	1.83	-
3	Providing Boosting arrangement by pumps 17.50 HP capacity 1250 LPM at 35M head, 13 nos. each & Rs 2,00,000/- each (For UGT) complete with panel foundation etc. (For Domestic and Flushing)	13	@	250000	32.50	-
3A	One Number Additional Domestic Water Pump 150 LPM, 35M Head,2.0 HP	2	@	50000	-	1.00
4	Provision for carriage of material and other unforeseen items.			L.S	10.00	0.50
5	Construction of U.G Tank of total Cap 1950 KL including 200 KL for Fire Tank 4500/-	1950	@	4500	87.75	-
5A	Additional UGT 50 KLD Incl. Fire 5500 per KLD	50	@	5500		2.75
6	Provision for Borewell Chamber od size 1.50 x 1.50 x 1.50m for housing borewell 6 Nos Rs 1,00,000/- each	6	@	100000	6.00	-
7	Provision for Construction of Boosting Station of Suitable Cap. As per P.H requirement			L.S	15.00	-
8	Provision for Boundary Wall around T.W & Water Works.			L.S	5.00	-
9	Provision for Footpath, hedge, Lawn at boosting Stations.			L.S	5.00	-
10	Provision for Staff quarter for Staff			L.S	30.00	-
				Total	289.08	4.25
				Add 3% contingencies & PH Charges	8.67	6.13
				Total	297.75	4.38
				Add 49% departmental charges, price escalation unforeseen, admin. Charges	145.90	2.14
				TOTAL	443.65	6.52
(C/o to Final Abstract of cost)						

For St. Patricks Realty Pvt. Ltd.
Authorized Signatory

For ST. PATRICKS REALTY PVT.LTD
Authorized Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29, 30, 32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

SUB WORK NO- 1		WATER SUPPLY				
SUB HEAD NO- 02		Pumping Machinery				
S.no	Description	Qty	Rate	Already Approved	New Revised / Additional Land	
Amount (Rs in Lakhs)						
1	Providing and installing electricity driven Submersible pumping set capable of delivery about 18KL/Hr of water against a total head of 80M complete with motor and other accessories.	6	@	200000	12.00	<i>Already taken in abpd. estimate</i>
2	Provision for diesel engine genset each for standby arrangement for T.W of booster pump complete with gear head arrangement -1 No 360 KVA Rs 10,000/- Per KVA			L.S	36.00	
3	Providing Chlorination Plant Complete.	2	@	100000	2.00	
4	Provision for making Foundations and Erection of Pumping Machinery.			L.S	10.00	
5	Provision for Pipes, Valves and Specials inside boosting Chamber- 01 Set			L.S	10.00	
6	Provision for electric Services connection including electric fitting for tube wells & Boosting Chamber ets. 01 Set			L.S	5.00	
7	Provision for carriage of material and other unforeseen items.			L.S	5.00	
8	Provision for Electric Sub Station			L.S	5.00	
				Total	85.00	0.00
				Add 3% contingencies & PH Charges	2.55	0.00
				Total	87.55	0.00
				Add 49% departmental charges, price escalation unforeseen, admin. Charges	42.90	0.00
				TOTAL	130.45	0.00
(C/o to Final Abstract of cost)						

For St. Patricks Realty Pvt. Ltd.
Authorized Signatory

For ST. PATRICKS REALTY PVT.LTD
Authorized Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

SUB WORK NO- 1				WATER SUPPLY		
SUB HEAD NO- 03				Rising main from HSVP		
S.no	Description	Qty	Rate	Already Approved	New Revised / Additional Land	
Amount (Rs in Lakhs)						
1	Providing, laying, Jointing, & testing 200mm dia D.I pipelines including cost of Excavation Complete in all respect.	410	@ 2150	8.82	-	
2	Provision and fixing 200mm dia. Sluice valves including cost of surface boxes and masonry chambers etc, complete in all respects.	1	@ 20000	0.20	Already taken in opbd estimate	
3	Providing and fixing plates for sluice valve, Air valves & fire Hydrant.	1	@ 1000	0.01		
4	Provision for carriage of material and other unforeseen items.	1	@ 50000	0.50		
5	Provision for making connection with HSVP main line.	1	@ 100000	1.00		
6	provision for cutting road and making good the same.	1	@ 100000	1.00		
Total				11.53		0.00
Add 3% contingencies & PH Charges				0.35	0.00	
Total				11.88	0.00	
Add 49% departmental charges, price escalation unforeseen, admin. Charges				5.82	0.00	
TOTAL				17.70	0.00	
(C/o to Final Abstract of cost)						

Authorized Signatory

 For ST. PATRICKS REALTY PVT.LTD
 Authorized Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

SUB WORK NO- 1		WATER SUPPLY				
SUB HEAD NO- 04		Distribution system (Domestic & Flushing)				
S.no	Description	Qty	Rate	Already Approved	New Revised / Additional Land	
Amount (Rs in Lakhs)						
1	Providing, Laying, Jointing & Testing D.I Pipes including cost of Excavation Complete as per ISI marked.				-	
1.1	100 mm Dia	38148	@	1250	476.85	
	100 mm Dia	920	@	1460/-	-	
					13.43	
1.2	150 mm Dia	7310	@	1575	115.13	
1.3	200 mm Dia	3550	@	2300	81.65	
1.4	300mm Dia	20	@	3500	0.70	
2	Providing and Fixing Sluice valves including cost of brick masonry chamber complete in all respect.					
2.1	100 mm Dia	80	@	12000	9.60	
	100 mm Dia	10	@	12000	-	
					1.20	
2.2	150 mm Dia	25	@	15000	3.75	
2.3	200 mm Dia	2	@	20000	0.40	
3	Providing and Fixing air valves and scour valves including cost of brick masonry Chamber Complete.	5	@	10000	0.50	
4	Providing and Fixing indicating plates for Sluice Valves.	107	@	1000	1.07	
	100 mm Dia	25	@	2000	-	
					0.50	
5	Provision for carriage of material and other unforeseen items.	1	@	1000000	10.00	
6	provision for cutting road and making good the same.	1	@	1000000	10.00	
7	Provision for Flushing Water Line Complete in All respect		L.S		10.00	
Total				709.65	25.63	
Add 3% contingencies & PH Charges				21.29	0.77	
Total				730.94	26.40	
Add 49% departmental charges, price escalation unforeseen, admin. Charges				358.16	12.93	
TOTAL				1089.10	39.33	
(C/o to Final Abstract of cost)						

For St. Patricks Realty Pvt. Ltd.
Authorized Signatory


Authorized Signatory
For ST. PATRICKS REALTY PVT.LTD

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

MATERIAL STATEMENT OF WATER SUPPLY LINE DOMESTIC					
S.no	Line	Length in Mts			
		100 mm dia	150 mm Dia	200 mm Dia	300 mm Dia
ALREADY EXISTING PIPELINES					
		38148	7310	3550	20
LENGTH OF PIPELINES FOR ADDITIONAL / REVISED LAND					
BLOCK-A					
1	W1 to W2	90	-	-	-
2	W2 to W3	142	-	-	-
3	W2 to W5	55	-	-	-
5	W5 to W6	142	-	-	-
6	W5 to WS6	63	-	-	-
BLOCK-I					
8	W12 to W9	205	-	-	-
9	W9 to W10	140	-	-	-
10	W10 to W11	31	-	-	-
11	W10 to W8	50	-	-	-
TOTAL		918	-	-	-

SAY = 920 Mtr

Authorized Signatory
For ST. PATRICKS REALTY PVT. LTD.

For ST. PATRICKS REALTY PVT. LTD.
Authorized Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

SUB WORK NO- 1		WATER SUPPLY				
SUB HEAD NO- 05		Fire Fighting				
S.no	Description	Qty	Rate	Already Approved	New Revised / Additional Land	
Amount (Rs in Lakhs)						
1	Providing, Laying, Jointing & Testing M.S Pipes lines for Rising main including cost of fitting valves Connection etc, Complete in all respects.					
1.1	150 mm Dia for Fire Brigade	20	@	1575	0.32	
1.2	100 mm Dia for tanker Inlet	20	@	1250	0.25	
2	Providing and Fixing valves including cost of boxes and masonry chambers etc. complete in all respect.					
2.1	150 mm Dia	1	@	15000	0.15	
2.2	100 mm Dia	1	@	12000	0.12	
3	Providing and Fixing fire Hydrant and accessories.	L.S		7.50		
4	Provision for carriage of material and other unforeseen items.	1	@	50000	0.50	
Total				8.84	0.00	
Add 3% contingencies & PH Charges				0.27	0.00	
Total				9.10	0.00	
Add 49% departmental charges, price escalation unforeseen, admin. Charges				4.46	0.00	
TOTAL				13.56	0.00	
(C/o to Final Abstract of cost)						

Already taken in appd. estimate

For St. Patricks Realty Pvt. Ltd.
Authorized Signatory

For ST. PATRICKS REALTY PVT.LTD Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

SUB WORK NO- 1		WATER SUPPLY				
SUB HEAD NO- 06		Irrigation				
S.no	Description	Qty	Rate	Already Approved	New Revised / Additional Land	
Amount (Rs in Lakhs)						
1	Providing, Laying, Jointing & Testing UPVC Pipes lines confirming to IS 4985 including cost of excavation etc. Complete in all respects.					
1.1	20 mm Dia for Garden Hydrants	328	@	250	0.82	
	50 mm Dia UPVC Pipe	2700	@	550	14.85	
	75mm Dia UPVC Pipe for Ring Main	9500	@	800	76.00	
	110mm Dia from STP to Ring main	25	@	1000	0.25	
2	Providing and Fixing Irrigation Hydrant Value complete in all respect.	139	@	3500	4.87	
3	Provision for carriage of material and other unforeseen items.	1	@	100000	1.00	
4	Providing & Fixing ball Valve 20mm	139	@	250	0.35	
5	Providing & fixing Sluice valve complete with chamber					
	-50mm Dia	4	@	4000	0.16	
	-75mm dia	10	@	4500	0.45	
	-100mm dia	1	@	8000	0.08	
6	Providing and Fixing Irrigation pump 4 Nos 5HP, 700 LPM @ 15M Head complete with foundation and control Panel etc.	4	@	100000	4.00	
Total				102.83	0.00	
Add 3% contingencies & PH Charges				3.08	0.00	
Total				105.91	0.00	
Add 49% departmental charges, price escalation unforeseen, admn. Charges				51.90	0.00	
TOTAL				157.81	0.00	
(C/o to Final Abstract of cost)						

Already taken in appd. estimate.

Authorized Signatory

 For ST. PATRICKS REALTY PVT.LTD

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

SUB WORK NO- IV		STORM WATER SCHEME				
S.no	Description	Qty	Rate	Already Approved	New Revised / Additional Land	
Amount (Rs in Lakhs)						
1	Providing, Lowering & Laying RCC pipe drain class NP-3 with cement joint manholes, excavation etc complete in all respect.					
	400 mm I/D Avg.depth upto 2.0M	20068	@ 2500	501.70	-	
	400 mm I/D Avg.depth upto 2.0M	844	@ 2500	-	21.10	
	500 mm I/D Avg.depth upto 2.0M	1020	@ 3400	34.68	-	
	600 mm I/D Avg.depth upto 2.0M	110	@ 4070	4.48	-	
2	Provision for Road Gullies with pipe connections	L.S		35.00	-	
3	Provision for Lighting and watching.	L.S		5.00	1.00	
4	Provision for Timbering and Shuttering.	L.S		10.00	2.00	
5	Provision of cutting road and making it good as same in original condition-1 Job	L.S		5.00	2.00	
6	Provision for carriage of material and other unforeseen items (L.S.)	L.S		10.00	5.00	
7	Provision for Rainwater Harvesting system at selected places	L.S		150.00	-	
8	Provision for Storm water connection with HSVP main Line.	L.S		5.00	-	
9	Provision for Temporary Disposal arrangement till HSVP services are Provided (L.S)	L.S		50.00	-	
Total				810.86	31.10	
Add 3% contingencies & PH Charges				24.33	0.93	
Total				835.18	32.03	
Add 49% departmental charges, price escalation unforeseen, admin. Charges				409.24	15.69	
TOTAL				1244.43	47.72	
(C/o to Final Abstract of cost)						

For St. Patricks Realty Pvt. Ltd.
 Authorized Signatory

 For ST. PATRICKS REALTY PVT. LTD. Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres, Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

SCHEDULE OF QUANTITIES OF RCC PIPES						
S.no	Name of storm Line			Length of Drain in Meters		
				400	500	600
1	Already Existing Pipelines			20068	1020	110
STORM WATER LINE IN ADDITIONAL/REVISED LAND						
Block-A						
2	D1	to	D3	96	-	-
3	D2	to	D3	135	-	-
4	D3	to	D4	54	-	-
5	D4a	to	D4	135	-	-
6	D4	to	D46 (Existing)	120	-	-
Block-I						
7	D2a	to	D2 (Existing)	195	-	-
8	D2d	to	D2b	32	-	-
9	D2c	to	D2b	27	-	-
10	D2b	to	D2 (Existing)	50	-	-
Total length				844	-	-

Authorized Signatory
For ST. PATRICKS REALTY PVT. LTD.

For ST. PATRICKS REALTY PVT.LTD
Authorized Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

SUB WORK NO- IV		SEWERAGE SCHEME				
S.no	Description	Qty	Rate	Already Approved	New Revised / Additional Land	
Amount (Rs in Lakhs)						
1	Providing, jointing, cutting and testing S.W pipe class 'A' / SWR PVC and lowering into trenches including cost of Excavation, bed concrete, cost of manholes etc complete in all respects.					
	200 mm Dia Avg.depth upto 0-4.00 (S.W.Pipe)	12245	@ 1250	153.06	-	
	200 mm Dia Avg.depth upto 0-4.00 (S.W.Pipe)	899	@ 1700	-	15.28	
	250 mm Dia Avg.depth upto 0-4.00 (S.W.Pipe)	2550	@ 1500	38.25	-	
	300 mm Dia Avg.depth upto 0-4.00 (S.W.Pipe)	785	@ 2150	16.88	-	
	350 mm Dia Avg.depth upto 0-4.00 (RCC.Pipe)	20	@ 2250	0.45	-	
	400 mm Dia Avg.depth upto 0-4.00 (RCC.Pipe)	62	@ 2700	1.67	-	
	450 mm Dia Avg.depth upto 0-4.00 (RCC.Pipe)	960	@ 3200	30.72	-	
	500 mm Dia Avg.depth upto 0-4.00 (RCC.Pipe)	20	@ 3350	0.67	-	
2	Provision for Lighting and watching.	L.S		5.00	1.00	
3	Provision for Timbering and Shuttering.	L.S		10.00	2.00	
4	Provision of 150mm dia line from STP to HSVP main by pumping (D.I.Pipe)	100	@ 1575	1.58		
5	Provision for Construction of STP (4000 KLD)	300 KL (Constructed) 12500/-		37.50	-	
		3700 KL (Balance Cap.) 16000/-		592.00		
6	Provision for making RCC Vent Shaft as per P.H requirement	L.S		10.00	2.00	
7	Provision for carriage of material and other unforeseen items (L.S.)	L.S		10.00	2.00	
8	Provision of cutting road and making it good as same in original condition-1 Job	L.S		5.00	2.00	
9	Providing Sewerage with HSVP	L.S		2.00	-	
Total				914.78	24.28	
Add 3% contingencies & PH Charges				27.44	0.73	
Total				942.22	25.01	
Add 49% departmental charges, price escalation unforeseen, admn. Charges				461.69	12.26	
TOTAL				1403.91	37.27	
(C/o to Final Abstract of cost)						

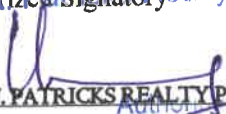
Authorized Signatory
For St. Patricks Realty Pvt. Ltd.

For ST. PATRICKS REALTY PVT.LTD
Authorised Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

Material Statement of Sewerage System - As per Drawings Sheet									
S.No	Name of pipeline	Length of Pipe in Meters							
		600 mm	450 mm	400 mm	350 mm	300 mm	250 mm	200 mm	200 mm (Branches)
1	All Already Laid Pipes	20	960	62	20	785	2550	2300	9945
								12245	
Length of Pipe for Additional/Revised Land									
BLOCK-A									
1	C2 to C	-	-	-	-	-	-	141	-
2	C1 to C	-	-	-	-	-	-	140	-
3	C to B	-	-	-	-	-	-	55	-
4	B1 to B	-	-	-	-	-	-	140	-
5	B to A	-	-	-	-	-	-	50	-
6	A to S3 (Existing)	-	-	-	-	-	-	60	-
BLOCK-I									
7	D to E (Existing)	-	-	-	-	-	-	198	-
8	F1 to F	-	-	-	-	-	-	40	-
9	F2 to F	-	-	-	-	-	-	35	-
10	F to E (Existing)	-	-	-	-	-	-	40	-
Total Length								899	M

Authorized Signatory
 For ST. PATRICKS REALTY PVT.LTD


 For ST. PATRICKS REALTY PVT.LTD

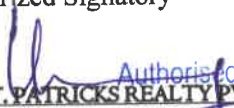
Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

MATERIAL STATEMENT FOR ROADS						
Existing 24M wide Road	=	1865	x	14 (2x7)	=	26110 M
Existing 18M wide Road	=	228	x	10	=	2280 M
Existing 12M wide Road	=	13134	x	6	=	78804 M
Total	=	15227.00	M		=	107194.00 Sq.mt
10% FOR CURVE STONE	=	1523.00	M		=	10719.00 Sq.mt
TOTAL	=	16750.00	M		=	117913.00 Sq.mt
SAY		16750	M		=	117920 Sq.mt

12M WIDE ROADS IN NEW ADDITIONAL / REVISED LAND						
R1	=	66	x	1	=	66 M
R2	=	201	x	1	=	201 M
R3	=	135	x	2	=	270 M
R4	=	145	x	1	=	145 M
R5	=	50	x	1	=	50 M
R6	=	82	x	1	=	82 M
R7	=	25	x	1	=	25 M
TOTAL 12.00 M WIDE ROAD					=	839 M
ROAD		LENGTH		WIDTH	=	TOTAL AREA
12.00 M WIDE ROAD	=	839.00 M		X 5.50 M	=	4614.50 Sq.mt
10% FOR CURVE STONE	=	83.90		X 5.50 M	=	461.45 Sq.mt
TOTAL	=	922.90		X 5.50 M	=	5075.95 Sq.mt

SAY, **Say 950m**
TOTAL LENGTH OF ROAD = 950.00 M
TOTAL AREA = 5076.00 Sq.Mt

For St. Patricks Realty Pvt. Ltd.
Authorized Signatory


Authorized Signatory
For ST. PATRICKS REALTY PVT.LTD

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

SUB WORK NO- IV				ROAD WORK	
S.no	Description	Qty	Rate	Already Approved	New Revised / Additional Land
Amount (Rs in Lakhs)					
1	Provision for levelling & earth filling as per site conditions				
	Area = 196.4423 Acres	196.4423	@ 150000	294.663	-
	Area = 0.7187 Acres	0.7187	@ 200000	-	1.44
2	Provision for Granular sub-base 200mm, 250 mm thick stone aggregate, 50 mm thick D.B.M, 25mm thick BC	117920	@ 1200	1415.040	-
		5076	@ 1750	-	88.83
3	Provision of Paved path of CC. 1:2:4				
	2 x 16750 x 1.50 = 50250 Sq.mt	50250	@ 750	376.88	-
	2 x 1100 x 1.50 = 3300 Sq.mt <i>2850</i>	2850 <i>Sqm</i>	@ 1000	-	28.50
4	Provisions for kerbs and channels of CC (1:2:4) on both sides of road.				
	2 X 16750 = 33500 M	33500	@ 600	201.00	-
	2 x 1100 = 2200 M <i>1900 kerb</i>	1900	@ 700	-	13.300
5	Provision for making Culvert on Existing Nallah	L.S		50.00	-
6	Provision for Guide Map at selected locations.	L.S		3.00	-
7	Provision for Traffic Light Arrangement.	L.S		5.00	-
8	Provision for demarcating durgies	L.S		5.00	<i>0.50</i>
9	Provision for plot Indicators.	L.S		10.00	<i>0.50</i>
10	Provision for Pavement in commercial area i.e 50% of the area 1:1/2:3 i.e				
	4.11 x 4047 / 2 = 8320 Sq.Mt	8320	@ 750	62.40	-
	3.419 x 4047/2 = 6920 Sq.Mt	6920	@ 1750	-	121.10
11	Provision for carriage of material and other unforeseen items (L.S.)	L.S		10.00	5.00
Total				2432.98	258.17 <i>259.17 lacs</i>
Add 3% contingencies & PH Charges				72.99	7.75 <i>7.78 lacs</i>
Total				2505.97	265.95 <i>266.95 lacs</i>
Add 49% departmental charges, price escalation unforeseen, admn. Charges				1227.92	130.30 <i>130.81 lacs</i>
TOTAL				3733.90	396.22 <i>397.76 lacs</i>
(C/o to Final Abstract of cost)					

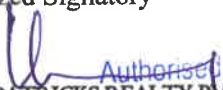
For St. Patricks Realty Pvt. Ltd.
Authorized Signatory

For ST. PATRICKS REALTY PVT.LTD. Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

SUB WORK NO- V				STREET LIGHTING	
S.no	Description	Qty	Rate	Already Approved	New Revised / Additional Land
Amount (Rs in Lakhs)					
1	Providing street lightning at surrounding area as per standard specifications of HVPN with CFL complete in all respect				
	Area = 196.4423 Acres	196.4423	@ 250000	491.106	-
	Area = 0.7187 Acres	0.7187	@ 250000	-	1.797
Total				491.11	1.797
Add 3% contingencies & PH Charges				14.73	0.05
Total				505.84	1.85
Add 49% departmental charges, price escalation unforeseen, admn. Charges				247.86	0.91
TOTAL				753.70	2.76
(C/o to Final Abstract of cost)					

For St. Patricks Realty Pvt. Ltd.
Authorized Signatory


Authorized Signatory
For ST. PATRICKS REALTY PVT.LTD

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

SUB WORK NO- VI		PLANTATION & ROADSIDE TREES				
S.no	Description	Qty	Rate	Already Approved	New Revised / Additional Land	
Amount (Rs in Lakhs)						
1	Development of Lawn Areas:					
	a) Trenching the ordinary Soil up to depth of 60 cm including removal and stacking Serviceable material and disposing of by spreading and leveling within a lead of 50m and making up the trenches area to proper levels by filling with earth mixed with manure before and after flooding trenches with water including cost of imported earth and manure					
	b) rough dressing of turfed area					
	c) Grassing with "Doob Grass" including watering and maintenance of lawns for 30 days till the grass forms a thick lawn, free from weeds and fit moving in rows 7.5 m apart in either direction including for hedges and grill and barred wire fencing around park and green belt (As per HSVP norms)					
	Area = 15.366 Acres	15.3660	@	150000	23.049	
	Area = 0.268 Acres	0.2680	@	200000	-	
					0.54	
2	Providing & Planting of trees with tree guards on roads at 12M intervals					
	Total Road length (M)	16750	Nos			
	Trees 12M c/c	1396	Nos			
	(Both Side) = 1398 x 2	2796	Nos			
	Cost of One Trees: -					
	Excavation (Rs.) 60/-					
	Manure (Rs.) 100/-					
	Tree Plants (Rs.) 150/-					
	Tree Guards (Rs.) 2000/-					
	Total Cost (each) 2310/-					
	Cost of Total Trees	2792	Nos	1300	36.296	
	Total Road length (M) in new land	950	Nos			
	Trees @ 12M c/c	79.16	Nos			
	(Both Side) = 92 x 2	160	Nos			
	Cost of Total Trees	160	Nos	2310.000	-	
					3.70	
	Total				59.35	
	Add 3% contingencies & PH Charges				1.78	
	Total				61.13	
	Add 49% departmental charges, price escalation unforeseen, admn. Charges				29.95	
	TOTAL				91.08	
					4.24	
					0.13	
					4.37	
					2.13	
					6.50	
(C/o to Final Abstract of cost)						

For St. Patrick's Realty Pvt. Ltd.
Authorized Signatory

For ST. PATRICKS REALTY PVT.LTD
Authorized Signatory

Residential Plotted Colony "CENTRAL PARK FLOWER VALLEY" on an Additional area 4.8284 Acres in Already licenced Land measuring 192.3323 Acres. Now Total Area 197.1607 Acres (Licence No- 54 of 2014, 28 of 2016, 07 of 2020, 104 of 2021 and 13 of 2024) in the Revenue Estate of Village-Dhunela & Berka, Sector-29,30,32 & 33, SOHNA, District-GURUGRAM, being developed by ST. PATRICKS REALTY PVT.LTD

SUB WORK NO- VII		MTC. CHARGES AND RESURFACING OF ROADS				
S.no	Description	Qty	Rate	Already Approved	New Revised / Additional Land	
Amount (Rs in Lakhs)						
1	Provision of MTC charges for Water Supply, SWD sewage, roads, street Lighting, Horticultural etc. Complete in all aspect, including operational & establishment charges as per HSVP norms for 10 Years Completion					
	Area = 196.4423 Acres	196.4423	@ 750000	1473.317	-	
	Area = 0.7187 Acres	0.7187	@ 800000	-	5.750	
2	Provision for re-surfacing of roads after 1st 5 years of mtc. one layer of 500 mm thick B.M including leveling coarse and 300mm B.C as per crust design whichever is safer.					
	Area = 117920 Sq.mt	117920	@ 600	707.520	-	
	Area = 5076 Sq.mt	5076	@ 660	-	33.50	
3	Re-Surfacing of roads after 10 years of Mtc. i.e. 50mm B.M and 30mm BC or as per crust design whichever is safer.					
	Area = 117920 Sq.mt	117920	@ 750	884.400	-	
	Area = 5076 Sq.mt	5076	@ 825	-	41.88	
Total				3065.24	81.13	
Add 3% contingencies & PH Charges				91.96	2.43	
Total				3157.19	83.56	
Add 49% departmental charges, price escalation unforeseen, admin. Charges				1547.03	40.94	
TOTAL				4704.22	124.50	
(C/o to Final Abstract of cost)						

For St. Patricks Realty Pvt. Ltd.
Authorized Signatory

For ST. PATRICKS REALTY PVT.LTD
Authorized Signatory

DESIGN STATEMENT OF STORM WATER SCHEME

S.no	Name of storm Line		Area in Acres		Required Discharge in cuses @ 1/2" Rain fall intensity per hour	Length of Drain in Meters	Dia of Drain in MM	Design Discharge in Cuses	Design Velocity in Meter per second	Slope	Fall in Meters	Formation Level		Invert Level		Depth		Average Depth	
			Self	Branch								At Upper End	At Lower End	At Upper End	At Lower End	At Upper End	At Lower End		
1	2		3	4	5	7	8	9	10	11	12	13	14	15	16	17	18	19	
BLOCK-A																			
1	D1 to D3		1.49	0.00	1.49	96	400	3.52	0.77	560	0.17	210.14	210.14	208.94	208.77	1.20	1.37	1.29	
2	D2 to D3		1.87	0.00	1.87	135	400	3.52	0.77	560	0.24	210.16	210.14	208.96	208.72	1.20	1.42	1.31	
3	D3 to D4		0.87	3.36	4.22	54	400	3.52	0.77	560	0.10	210.14	210.12	208.72	208.62	1.42	1.50	1.46	
4	D4a to D4		0.90	0.00	0.90	135	400	3.52	0.77	560	0.24	210.16	210.12	208.96	208.72	1.20	1.40	1.30	
5	D4 to D46 (Existing)		0.39	5.13	5.51	120	400	3.52	0.77	560	0.21	210.12	210.10	208.62	208.41	1.50	1.69	1.59	
BLOCK-I																			
7	D2a to D2 (Existing)		1.67	0.00	1.67	195	400	3.52	0.77	560	0.35	210.12	210.10	208.92	208.57	1.20	1.53	1.36	
8	D2d to D2b		0.30	0.00	0.30	32	400	3.52	0.77	560	0.06	210.12	210.11	208.92	208.86	1.20	1.25	1.22	
9	D2c to D2b		0.35	0.00	0.35	27	400	3.52	0.77	560	0.05	210.10	210.11	208.90	208.85	1.20	1.26	1.23	
10	D2b to D2 (Existing)		0.62	0.65	1.27	50	400	3.52	0.77	560	0.09	210.11	210.10	208.85	208.76	1.26	1.34	1.30	

For St Patrick's Realty Pvt. Ltd.



Authorised Signatory

STATEMENT FOR CALCULATION OF SEWERAGE LOAD

S.No	Name of Line	Water Requirement of Plots			Demand of Non Residential Area			Total Requirement in KLPD	Quantity of Sewage @ 75% of Water requirement in cusecs.
		No's of Plots	Population @ 18.00 Persons/Plots	Water Requirement @ 172.50 LPCD in KLPD	COMMERCIAL @ 32 KLD	COMMUNITY FACILITY @ 25 KLD			
BLOCK-A									
1	C2 to C	12	162	27.95	0.00	0	27.95	0.009	
2	C1 to C	24	324	55.89	0	0	55.89	0.017	
3	C to B	5	67.5	11.64	0	0	11.64	0.004	
4	B1 to B	16	216	37.26	0	0	37.26	0.011	
5	B to A	4	54	9.32	0	0	9.32	0.003	
6	A to S3 (Exsting)	0	0	0.00	0	0	0.00	0.000	
BLOCK-I									
7	D to E (Existing)	27	364.5	62.88	0	0	62.88	0.019	
8	F1 to F	6	81	13.97	0	0	13.97	0.004	
9	F2 to F	2	27	4.66	0	0	4.66	0.001	
10	F to E (Existing)	3	40.5	6.99	0	0	6.99	0.002	

For St. Patrick's Realty Pvt. Ltd.



Authorised Signatory

STATEMENT FOR CALCULATION OF SEWERAGE LOAD

S.No	Name of Line		Sewerage Load in Cusecs		3 times Sewerage load in cuses	Design discharge in cuses	Size in MM	length in M	Slope	Velocity	Fall in M/Sec	Formation Level in MM		Invert Level in MM		Depth in M		Avg. Depth in M	
			Self	branch								total	U/E	L/E	U/E	L/E	U/E		L/E
BLOCK-A																			
1	C2	to C	0.009	0	0.009	0.47	200	141	300	0.82	0.47	210.14	210.14	209.24	208.77	0.90	1.37	1.14	
2	C1	to C	0.017	0	0.017	0.47	200	140	300	0.82	0.47	210.16	210.14	209.26	208.79	0.90	1.35	1.12	
3	C	to B	0.004	0.026	0.03	0.47	200	55	300	0.82	0.18	210.14	210.12	208.77	208.59	1.37	1.53	1.45	
4	B1	to B	0.011	0	0.011	0.47	200	140	300	0.82	0.47	210.16	210.12	209.26	208.79	0.90	1.33	1.11	
5	B	to A	0.003	0.041	0.044	0.47	200	50	300	0.82	0.17	210.12	210.12	208.59	208.42	1.53	1.70	1.62	
6	A	to S3 (Exsting)	0.000	0.044	0.044	0.47	200	60	300	0.82	0.20	210.12	210.10	208.42	208.22	1.70	1.88	1.79	
BLOCK-I																			
7	D	to E (Existing)	0.019	0	0.019	0.47	200	198	300	0.82	0.66	210.12	210.10	209.22	208.56	0.90	1.54	1.22	
8	F1	to F	0.004	0	0.004	0.47	200	40	300	0.82	0.13	210.12	210.11	209.22	209.09	0.90	1.02	0.96	
9	F2	to F	0.000	0	0.001	0.47	200	35	300	0.82	0.12	210.10	210.11	209.20	209.08	0.90	1.03	0.96	
10	F	to E (Existing)	0.002	0.005	0.007	0.47	200	40	300	0.82	0.13	210.11	210.10	209.08	208.95	1.03	1.15	1.09	

For St.  Patrick's Realty Pvt. Ltd.

Authorised Signatory