

VIBHOR HOME DEVELOPERS PVT. LTD.

Regd off:11 DDA Janta Flats, Panchsheel Park, Shivalik Road, New Delhi-110017
CIN:U70101DL2005PTC140996 Ph No. 0124-4274045

To

Date:-23.05.2019

The Executive Engineer,

HSVP, Sector-34, Division No. VI,

Gurugram. Haryana

Subject:- Approval of the Service Plan Estimate of the Affordable Residential Plotted Colony (Under Deen Dayal Jan Awas Yojna-2016) on the land measuring 9.0625 Acres (License No. 24 of 2019 Dated: 20.02.2019) in Sector- 35, Sohna, Distt: Gurugram belonging to M/S Lion Infradevelopers LLP. In Collaboration with Vibhor Home Developers 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 Vibhor Home Developers Pvt. Ltd.
For Vibhor Home Developers Private Limited



Authorised Signatory

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

Rajesh
24-05-2019
Received
O/o XEN-VI,
HSVP, Gurugram

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

FOR

**PROPOSED "AFFORDABLE PLOTTED COLONY (UNDER DEEN
DAYAL JAN AWAS YOJNA – 2016) AREA MEASURING 9.0625
ACRES (LICENSE NO. 24 OF 2019 DATED 20.02.2019) IN
SECTOR – 35, SOHNA, DISTT. - GURUGRAM BELONGING TO
LION INFRA DEVELOPERS LLP IN COLLABORATION WITH
M/S VIBHOR HOME DEVELOPERS PVT. LTD.**

For Vibhor Home Developers Private Limited

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SERVICE ESTIMATE, DESIGN REPORT AND CALCULATIONS OF INTERNAL DEVELOPMENT WORKS FOR PROPOSED "AFFORDABLE PLOTTED COLONY (UNDER DEEN DAYAL JAN AWAS YOJNA – 2016) AREA MEASURING 9.0625 ACRES (LICENSE NO. 24 OF 2019 DATED 20.02.2019) IN SECTOR – 35, SOHNA, DISTT. - GURUGRAM BELONGING TO LION INFRA DEVELOPERS LLP IN COLLABORATION WITH M/S VIBHOR HOME DEVELOPERS PVT. LTD.

Sohna town of Haryana State situated on N.H. -248-'A' road at a distance of 54 Km from Delhi. Being in the national capital region, the town has 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 Sohna, Distt. - Gurugram Urban Complex. This report is for a part of service estimate for proposed "AffordablePlottedColony" (under Deen Dayal Jan AwasYojna – 2016) measuring 9.0625 acres (License No. 24 of 2019 dated 20.02.2019) in Sector – 35, Sohna Distt. - Gurugram belonging to Lion Infra Developers LLP in collaboration with M/s Vibhor Home Developers 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 underground tanks of capacity as per attached details and to location for domestic purpose and for fire protection. The underground tank 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 HSVP W/S in this area. However the provision of tube well 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 One No Tube Wells has been taken in this estimate.

DESIGN

The scheme has been designed for population of 2187 persons considering @ 13.50 persons/unit for Affordable Plotted Colony 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.

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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 Np3 pipes 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.

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. Provision for Electric Panel or ESS provision has also been made in this estimate.

9. SPECIFICATIONS

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

10. RATES

The estimate has been based on the present market rates.

11. COST

The total cost of the scheme including cost of all services works out to Rs. 287.51 Lacs (Rupees Two Crores Eighty Seven Lacs Fifty One Thousand only) including 3% contingencies and 49% departmental charges + Price escalation and cost per acre comes out to Rs. 31.73 Lacs.

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1. DESIGN CALCULATION :-

| | |
|--------------------------------|------------------------------------|
| Total Area of plot | = 9.0625 Acres or 36674.578 Sqm |
| Permissible Area under Plots | = 5.528125 Acres or 22371.4927 Sqm |
| Proposed Area under Plots | = 4.67923 Acres or 18936.126 Sqm |
| Permissible Commercial Area | = 0.3625 Acres or 1466.983Sqm |
| Proposed Commercial Area | = 0.36222 Acres or 1465.83 Sqm |
| Proposed community Centre | = 0.9083 Acres or 3675.753 Sqm |
| Area of Milk & Vegetable booth | = 0.0068Acres or 27.50 Sqm |
| Area under other services | = 0.0572 Acres or 231.50 Sqm |
| Proposed Plots | = 162 Plots |

2. Water Requirement :-

| | |
|---|--------------------------------------|
| i) Total Plots | = 162 Plots |
| Total Population @ 13.50 Persons/Plot | = 2187 Persons |
| @ 172.50 LPCD | = 377257.50 LPD |
| ii) Commercial area | = 1465.83 Sqm |
| @ 3 Sqm/person = 489 Person @ 45LPCD= | 29005.00 LPD |
| iii) Community Centre (Area 9.0625 Acres) | = 22708.00 LPD |
| iv) Milk and Vegetable booth L.S. | = 5000.00 LPD |
| v) All other services L.S. | = 15000.00 LPD |
| Total | = 441970.50 LPD Or 442.00 KLD |
| | Say 450.00 KLD |

II. FIRE DEMAND

| | |
|--|--------------------------|
| (i) Population | = 2187 Persons |
| (p) $\frac{1}{2} \times 100/1000 = (2.187) \frac{1}{2} \times 100$ | = 147.88 KLD Say 150 KLD |

III. Garden Irrigation Requirement (For Total Area) = 80.00 KLD**IV. Total Water Requirement for UGT**

(Excluding Fire Demand)

| | |
|--|--|
| Hence Domestic Water Requirement (67%) | = 450 x 67% = 302.00 KLD |
| Hence Flushing Water Requirement (33%) | = 450 x 33% = 148.00 KLD |
| Half Day Requirement | = 160K.L. for Domestic = 80 K.L. for Flushing |

But it is proposed to construct an underground tank i.e. 160 K.L. in two compartment for domestic use and 80 K.L. for non potable water in two compartment (at STP) and 150 K.L. for fire fighting purposes for UGT in two compartment as shown location in the plan.

| | | |
|--|-------------|--------------|
| Total Capacity of UGT | = 160 + 150 | = 310.00 KLD |
| Total Requirement for Flushing and Irrigation at STP = 80+80 | | = 160.00 KLD |

VI. Tube Well**For UGT**

| | |
|--|--------------------|
| a) Yield | = 15 K.L. / Hr. |
| b) Working Hour per day | = 16 Hr. / Per Day |
| c) Total water demand | = 302M3/Day |
| d) Number of tube well required | = 1.26 Nos |
| (Water Demand / Discharge / Hr. working Per day) | |
| e) Add 5% extra | = 0.06 |

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Total = 1.32 Nos
Say = 1 Nos

(Water to the proposed development is to be supplied by HSVP. However consider 1.00 Nos T.W.'s to install for proposed requirement of water 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.

I) 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 One No. pumping set of 4.50 LPS discharge at 98 Mtr head (1W)

II) Boosting Machinery for domestic water For UGT

Total Water Requirement = 302.00 KLD
Pumping per hour @ 8 hr. pumping / day = $302 / 8$ KL / hr.
= 37.75 KL / hr.
= 629.16 lpm = 10.48 lps
Say 2 No. 6.00 lps each
Gross working head For UGT
- Suction lift = 5.00 mts.
- Frictional loss in mains & specials = 10.00 mts.
- Clear Head required = 30.00 mts.
Total = 45.00 mts.
Say = 45.00 mts.
Pump HP = $(6.00 \times 45) / (75 \times 0.60)$
= 6.00 H.P.
Say = 7.50 HP

It is proposed to provide 3 No. of pumping set of 6.00 lps discharge at 45mts Head each (2W + 1S) for UGT

III) Boosting Machinery for flushing water at STP

Total Water Requirement = 148 K.L.D
Pumping per hour @ 8 hr. pumping / day = $148 / 8$ KL / hr.
= 18.50 KL / hr.
= 308.33 lpm = 5.14 lps,
Say 2 No. 3.00 lps each
Gross working head
- Suction lift = 5.00 mts.
- Frictional loss in mains & specials = 10.00 mts.
- Clear Head required = 30.00 mts.
Total = 45.00 mts.
Say = 45.00 mts.

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| | |
|---------|-----------------------------|
| Pump HP | = (3.00 x 45) / (75 x 0.60) |
| | = 3.00HP |
| Say | = 5.00 HP |

It is proposed to provide 3 Nos of pumping set of 3.00lps discharge at 45 mts Head each (2W + 1S)

IV) Boosting Machinery for Irrigation water

| | |
|--|------------------------|
| Total Water Requirement | = 80 KLD |
| Pumping per hour @ 5 hr. pumping / day | = 80 / 5 KL / hr. |
| | = 16.00 KL / hr. |
| | = 266.67 lpm = 4.44lps |
| 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 | = 3.00 HP |
|-----|-----------|

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

V) DG Set for plumbing

DG Set Requirement

| | |
|-----------------------------|------------------------|
| Submersible Pump (1x 10) | = 10 HP |
| Domestic Pump (2 x 7.5) | = 15 HP |
| Flushing Pump (2 x 5) | = 10 HP |
| Street Light and other etc. | = 15 HP |
| Total pump load | = 50 HP |
| | = 50.00 x 0.746 x 1.50 |
| | = 55.95 K.W |

| | |
|--------------------------|--------------------------|
| Total DG capacity | = 1 No. 62.50 KVA |
|--------------------------|--------------------------|

Hence it is proposed to provide 1 No. D.G. Set of 62.50 KVA capacity

FLOW TO SEWAGE TREATMENT PLANT

Total Water Requirement = 302KLD for domestic & 148 KLD for flushing

| | |
|--|--------------|
| i) 80% of total Domestic Water Demand = 80% of 302 KLD | = 241.60 KLD |
|--|--------------|

| | |
|---|-------------|
| ii) 80% of total Flushing Water Demand = 80% of 148 KLD | = 118.40KLD |
|---|-------------|

| | |
|--------------|---------------------|
| Total | = 360.00 KLD |
|--------------|---------------------|

| | |
|--------------------------------|-------------|
| Considering 5% marginal factor | = 18.00 KLD |
|--------------------------------|-------------|

| | |
|-----------------|---------------------|
| G. Total | = 378.00 KLD |
|-----------------|---------------------|

Say 400 KLD

Proposed STP Capacity = 400 KLD Or 0.40 MLD

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FINAL ABSTRACT OF COST

| SR. NO. | SUB WORK | DESCRIPTION | AMOUNT (Rs. In Lacs) |
|--|------------------|--|-------------------------|
| 1 | SUB WORK NO. I | WATER SUPPLY SCHEME | 74.07 |
| 2 | SUB WORK NO. II | SEWERAGE SCHEME | 66.63 |
| 3 | SUB WORK NO. III | STORM WATER DRAINAGE | 44.33 |
| 4 | SUB WORK NO. IV | ROAD AND FOOTPATH | 35.57 |
| 5 | SUB WORK NO. V | STREET LIGHTING | 11.13 |
| 6 | SUB WORK NO. VI | HORTICULTURE (PLANTATION & ROAD SIDE TREES) | 4.70 |
| 7 | SUB WORK NO. VII | MTC. OF SERVICES & RESURFACING OF ROADS (After 1st 5 years of 1st Phase & Next 5 years in 2nd Phase) | 51.08 |
| | | TOTAL | 287.51 |
| TOTAL : (Rupees Two Crore Eighty Seven Lacs Fifty One Thousand only) | | | |

Cost Per Acre = Rs.287.51 Lacs / 9.0625 = 31.73 Lacs Per Acre

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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 | 17.60 |
| 2 | Sub Head No. 02 | Pumping Machinery | 8.05 |
| 3 | Sub Head No. 03 | Water Supply Distribution & Rising main pipe | 18.01 |
| 4 | Sub Head No. 04 | External Fire Hydrants | 3.22 |
| 6 | Sub Head No. 05 | Irrigation | 1.38 |
| | | TOTAL | 48.26 |
| | | Add 3% contingency & P.H. Services | 1.45 |
| | | Total | 49.71 |
| | | Add 49% Department charges + Price Escalation | 24.36 |
| | | G. Total | 74.07 |
| | | Say in Lacs | 74.07 |

(C.O. to Final Abstract Of Cost)

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SUB WORK NO. I
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. 310 KLD @ Rs. 3000/- per K.L.D | 930000.00 |
| 2 | Provision for construction of Boosting Station 1 Nos @ Rs. 200000/- each | 200000.00 |
| 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. 2 Nos @ Rs. 80000/- each | 80000.00 |
| 5 | Provision for carriage of material and unforeseen items L.S. | 20000.00 |
| 6 | Provision of specials for tube well & rising main to UGT L.S. | 30000.00 |
| | Total | 1760000.00 |
| | Say in Lacs | 17.60 |

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

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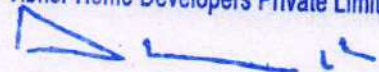
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SUB WORK NO. 1**Sub Head No. 02****WATER SUPPLY
Pumping Machinery**

| Sr. NO. | Description | Amount in Rs. |
|---------|---|------------------|
| 1 | Providing and installing Hydro pneumatic pumping set of following capacities for domestic water Supply with specials 6.00 lps at 45 mts head - 3 No. (2W+1SB) - @ Rs. 45,000/- each Set (7.50HP) | 135000.00 |
| 2 | Providing and installing Hydro Pneumatic pumping set of following capacities for Flushing water supply & irrigation etc. | |
| i | 3.00 lps at 45 mts head - 3 No. (2W+1SB) @ Rs. 30,000/- 1 Set (5HP each) | 90000.00 |
| ii | 5.00 lps at 21 mts head - 2 No. (1W+1SB) @ Rs. 15,000/- 1 Set (3HP each) | 30000.00 |
| 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 ESS (Electric Panel Foundation) L.S. | 40000.00 |
| 5 | Provision for D.G. Set for stand by arrangement for all machinery = 1 No. 62.50 KVA @ Rs. 2,80,000/- each | 280000.00 |
| 6 | Provision for making foundations & erection of pumping machinery | 30000.00 |
| 7 | Provision for pipes, valve & specials inside boosting chamber | 50000.00 |
| 8 | Provision for electric services connection including electric fittings for boosting chambers and pump chamber etc. | 50000.00 |
| 9 | Provision for carriage of materials and other unforeseen items L.S. | 20000.00 |
| | Total | 805000.00 |
| | Say in Lacs | 8.05 |

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

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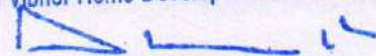
SUB WORK NO. 1
Sub Head No. 03

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 1603 Mtr @ Rs. 600/- Per Mtr | 961800.00 |
| ii) | 150mm i/d D.I. Pipes - 481 Mtr @ Rs. 800/- Per Mtr | 384800.00 |
| iii) | 200mm i/d D.I. Pipes 10 Mtr @ Rs. 1100/- per mtr | 11000.00 |
| 2 | Providing and fixing sluice valve including cost of surface box and masonry chamber etc. complete in all respect | |
| a) | 100mm i/d 18 No. @ Rs. 7500/- each | 135000.00 |
| b) | 150mm i/d 9 No. @ Rs. 10000/- each | 90000.00 |
| c) | 200mm i/d 1 No. @ Rs. 15000/- each | 15000.00 |
| 3 | Providing and fixing indicating plates for sluice valve 28 No. @ Rs. 1000/- | 28000.00 |
| 4 | Provision for carriage of materials and other unforeseen items | 25000.00 |
| 5 | Provision for making connection with HUDA Pipe & T.W's etc. | 100000.00 |
| 6 | Provision for cutting the road and making good the same | 50000.00 |
| | Total | 1800600.00 |
| | Say in Lacs | 18.01 |

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

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SUB WORK NO. 01

WATER SUPPLY

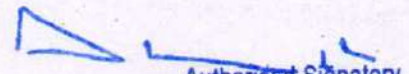
SUB HEAD NO. 04

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 - 216 M @ Rs. 500/- Per Mtr | 108000.00 |
| 2 | Providing and fixing fire Hydrant with accessories 27 No. @ Rs. 6000/- each | 162000.00 |
| 3 | Providing and fixing indicating plate -27 No. @ Rs. 1000/- each | 27000.00 |
| 4 | Provision for carriage of material L.S. | 25000.00 |
| | Total | 322000 |
| | Say In Lacs | 3.22 |

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

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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 | |
| a) | 25mm dia - 160 M @ Rs. 300/- Per Mtr | 48000.00 |
| 2 | Providing and fixing 25mm dia, Irrigation hydrant valve complete in all respect 20 Nos @ Rs. 2000/- each | 40000.00 |
| 3 | Provision for carriage of materials and other unforeseen items L.S. | 10000.00 |
| 4 | Provision for indicating plate with safety box etc. complet in all respect 20 Nos @ Rs. 1000/- each | 20000.00 |
| 5 | Provision for road cutting and making it condition as original L.S. | 20000.00 |
| | Total | 138000.00 |
| | Say in Lacs | 1.38 |

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

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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 593 M @ Rs. 1000/- per Mtr | 593000.00 |
| | b) SW Pipe 250mm i/d avg depth 2.00 M 167 M @ Rs. 1200/- per Mtr | 200400.00 |
| | c) SW Pipe 300mm i/d avg depth 2.75 M 190 M @ Rs. 1400/- per Mtr | 266000.00 |
| | d) SW Pipe 400mm i/d avg depth 3.00 M 8 M @ Rs. 1500/- per Mtr | 12000.00 |
| 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) 200MM i/d D.I. Pipe - 195 M @ Rs. 1000/- Per Mtr | 195000.00 |
| 3 | Provision of lighting and watching etc. | 20000.00 |
| 4 | Provision for cartage of material | 15000.00 |
| 5 | Provision for making connection with HSVP | 40000.00 |
| 6 | 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. 400 KLD or (0.40 MLD) Capacity L.S. | 3000000.00 |
| | | 4341400.00 |
| | Add 3% contingency & P.H. Services | 130242 |
| | Total | 4471642 |
| | Add 49% Department charges + Price Escalation | 2191105 |
| | G. Total | 6662747 |
| | Say in Lacs | 66.63 |

(C.O. to Final Abstract of Cost)

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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 = 1040 M @ Rs. 1200/- Per Mtr b) RCC Np3 pipe 400mm i/d = M @ Rs. 1500/- Per Mtr | 1248000.00 |
| 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. 9 Nos RWH @ Rs. 1,50,000/- each | 1350000.00 |
| 3 | Provision for road gulley & pipe with connection | 160000.00 |
| 4 | Provision for lighting and watching | 15000.00 |
| 5 | Provision for timbering and shoring | 20000.00 |
| 6 | Provision for cartage of material | 15000.00 |
| 7 | Provision for making connection with HSVP storm water drain | 80000.00 |
| | Total | 2888000.00 |
| | Add 3% contingency & P.H. Services | 86640.00 |
| | Total | 2974640.00 |
| | Add 49% Department charges + Price Escalation | 1457573.60 |
| | G. Total | 4432213.60 |
| | Say in Lacs | 44.33 |

(C.O. to Final Abstract of Cost)

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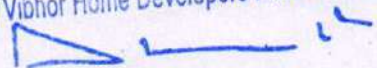
Sub Work No. IV

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 | 9.0625 | 50000 | 453125 |
| 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 | 5896 | 200 | 1179200 |
| 3 | Provision for kerbs & channels of C.C. 1.2:4 | Metre | 1061 | 340 | 360740 |
| 4 | Provision for arrangement of guide map and indicating board etc. | LS | | | 50000 |
| 5 | Provision for footpath 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 / Block etc. complete in all respect | Sqm | 1273 | 200 | 254600 |
| 5 | Provision for carriage of material | LS | | | 20000 |
| | Sub Total | | | | 2317665 |
| | Add 3% contingencies & PH Services | | | | 69530 |
| | Sub Total | | | | 2387195 |
| | Add 49% Departmental Charges + Price Escalation | | | | 1169726 |
| | Total | | | | 3556920 |
| | Say Rs. In Lacs | | | | 35.57 |

(C.O. to Final Abstract of cost)

For Vibhor Home Developers Private Limited


 Authorised Signatory

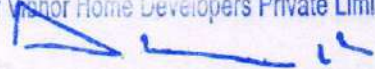
Sub Work No. V

STREET LIGHTING

| 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 | 9.0625 | 80000 | 725000 |
| | Add 3% contingencies & PH Services | | | | 21750 |
| | Total | | | | 746750 |
| | Add 49% Departmental Charges + Price Escalation | | | | 365908 |
| | Total | | | | 1112658 |
| | Say Rs. In Lacs | | | | 11.13 |

(C.O. to Final Abstract of cost)

For Vibhor Home Developers Private Limited



Authorised Signatory

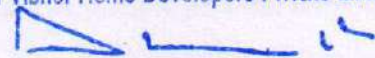
Sub Work No. VI

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 2771.05 Sqm Or 0.685 Acres (As per detail given in green park area calculation) | Acre | 0.685 | 260000 | 178100 |
| 2 | Providing and planting trees along boundary @ 6 m interval (Length appx 1061M) = $1061/6 = 177$ Nos Say No. of trees = 243 Nos Cost details : Excavation = Rs. 73 Manure = Rs. 100 Tree Plant = Rs. 550 Total Rs. = Rs. 723 | | | | |
| | | Each | 177 | 723 | 127971 |
| | Total | | | | 306071 |
| | Add 3% contingencies & PH Services | | | | 9182 |
| | Total | | | | 315253 |
| | Add 49% Departmental Charges + Price Escalation | | | | 154474 |
| | Total | | | | 469727 |
| | Say Rs. In Lacs | | | | 4.70 |

(C.O. to Final abstract of cost)

For Vibhor Home Developers Private Limited



Authorised Signatory

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 5.0255 acres @ Rs. 1.50 lacs per acre | Acre | 9.0625 | 120000 | 1087500 |
| 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 | 5896 | 130 | 766480 |
| 3 | 2nd phase after next five years of 1st phase (50mm DBM & 25mm BC or as per crust design whichever is safer) | Sqm | 5896 | 250 | 1474000 |
| | Sub Total | | | | 3327980 |
| | Add 3% contingencies & PH Services | | | | 99839 |
| | Sub Total | | | | 3427819 |
| | Add 49% Departmental Charges | | | | 1679632 |
| | Total | | | | 5107451 |
| | Say Rs. In Lacs | | | | 51.08 |

(C.O. to Final abstract of cost)

For Vibhor Home Developers Private Limited

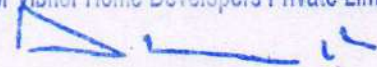


Authorised Signatory

SUMMARY OF DESIGN REQUIREMENT

| S. No. | Description | Qty | Unit |
|--------|--|------|-----------|
| 1 | Total Population | 2187 | Persons |
| 2 | Total Water Requirement (Domestic) | 302 | KLD |
| 3 | Total Water Requirement (Flushing) | 148 | KLD |
| 4 | Total Water Requirement (Horticulture) | 80 | KLD |
| 5 | U. G Tank (Domestic - 160 KLD) | 1 | No. |
| 6 | U.G.T Fire Tank 150 KLD | 1 | No. |
| 7 | No. of Domestic WS pumps UGT | 2+1 | Set |
| 8 | No. of Flushing pumps | 2+1 | No. |
| 9 | No. of submersible pumps | 1 | No. |
| 10 | Generating sets (62.50 KVA) | 1 | 62.50 KVA |
| 11 | STP (400 KLD) | 1 | No. |

For Vibhor Home Developers Private Limited



Authorised Signatory

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

| S. No. | Description | Size of pipe upto valve in 80mm | Size of pipe upto valve in 100mm | Size of pipe upto valve in 150mm | Size of pipe upto valve in 200mm |
|--------|--------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|
| 1 | Domestic | - | 639M | 293M | 10M |
| 2 | Flushing | - | 754M | 188M | - |
| 3 | Rising Main | - | 210M | - | - |
| | Total | - | 1603M | 481M | 10M |

For Vibhor Home Developers Private Limited

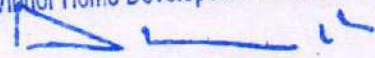


 Authorised Signatory

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 |
| 1 | T.W. | UGT | 100 | 30 | 30 | - |
| 2 | Govt. Line | UGT | 100 | 180 | 180 | - |
| | Total | | | 210 | 210 | 0 |

For Vibhor Home Developers Private Limited



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MATERIAL STATEMENT FOR SEWERAGE SCHEME

| 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 2.50 Mtr | 300mm i/d 0 to 2.75 Mtr | 400mm i/d 0 to 3.00 Mtr |
| 1 | A | B | 112 | 200 | 1.40 | 112 | - | - | - |
| 2 | B1 | B | 68 | 200 | 1.32 | 68 | - | - | - |
| 3 | B | C | 40 | 250 | 1.66 | - | 40 | - | - |
| 4 | C1 | C | 68 | 200 | 1.32 | 68 | - | - | - |
| 5 | C | D | 45 | 250 | 1.75 | - | 45 | - | - |
| 6 | D1 | D | 82 | 250 | 1.29 | - | 82 | - | - |
| 7 | D | E | 42 | 300 | 1.86 | - | - | 42 | - |
| 8 | E1 | E | 70 | 200 | 1.33 | 70 | - | - | - |
| 9 | E | F | 12 | 300 | 1.89 | - | - | 12 | - |
| 10 | F1 | F | 40 | 200 | 1.26 | 40 | - | - | - |
| 11 | F | G | 48 | 300 | 1.93 | - | - | 48 | - |
| 12 | G1 | G | 40 | 200 | 1.26 | 40 | - | - | - |
| 13 | G | H | 48 | 300 | 2.00 | - | - | 48 | - |
| 14 | H1 | H | 40 | 200 | 1.26 | 40 | - | - | - |
| 15 | H | J | 40 | 300 | 2.06 | - | - | 40 | - |
| 16 | J1 | J | 155 | 200 | 1.31 | 155 | - | - | - |
| 17 | J | S.T.P. | 8 | 400 | 2.17 | - | - | - | 8 |
| 18 | STP - HUDA / Sewer By Pumping 200mm i/d D.I. Pipe = 195 Mtr | | | | | - | - | - | - |
| Total | | | 958 | | | 593 | 167 | 190 | 8 |

200mm i/d Pipe Length 593 Mtr


250mm i/d Pipe Length 167 Mtr

300mm i/d Pipe Length 190 Mtr

400mm i/d Pipe Length 8 Mtr

200mm i/d D.I. Pipe (By Pumping) = 195 Mtr

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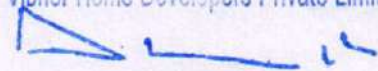
MATERIAL STATEMENT OF STORM WATER DRAINAGE SCHEME

| Sr. No. | Line Reference | | 400mm i/d RCC Np3 Pipe | 450mm i/d RCC Np3 Pipe |
|---------|---------------------|-------------------|------------------------------|------------------------------|
| | | | Length in Mtr | Length in Mtr |
| | From | To | | |
| 1 | A | B/RWH -I | 110 | - |
| 2 | B1 | B/RWH -I | 65 | - |
| 3 | B/RWH-1 | C | 40 | - |
| 4 | C1 | C | 65 | - |
| 5 | C | D/RWH-2 | 45 | - |
| 6 | D1/RWH-3 | D/RWH-2 | 80 | - |
| 7 | D/RWH-2 | E | 42 | - |
| 8 | E1/RWH-4 | E | 70 | - |
| 9 | E | F/RWH-5 | 12 | - |
| 10 | F1 | F/RWH-5 | 40 | - |
| 11 | F/RWH-5 | G1 | 48 | - |
| 12 | G1 | G | 40 | - |
| 13 | G | H/RWH-6 | 48 | - |
| 14 | H1 | H/RWH-6 | 40 | - |
| 15 | H/RWH-6 | I/RWH-7 | 90 | - |
| 16 | I/RWH-7 | J/RWH-8 | 60 | - |
| 17 | J1 | J/RWH-8 | 50 | - |
| 18 | J/RWH-8 | K/RWH-9 | 45 | - |
| 19 | K/RWH-9 | Master SWD (HSVP) | 50 | - |
| | Total Length | | 1040 | 0 |

Total Length 400mm i/d RCC Np3 pipe = 1040 Mtr

Total Rain Water Harvesting (RWH) = 9 Nos

For Vibhor Home Developers Private Limited



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9.0625 ACRES AFFORDABLE PLOTTED COLONY IN SECTOR 35, SOHNA

M/S VIBHOR HOME DEVELOPERS PVT. LTD.

MATERIAL STATEMENT (FIRE HYDRANT)

- i) Length of Water Supply (Domestic) = 942 Mtr
- ii) Length of 100mm i/d F.H. = $27 \times 8 = 216$ Mtr
- iii) Nos of F.H. = 27 Nos

Note : Fire Hydrant considering @ 35Mtr /each in Domestic Water Supply line
= $942 / 35 = 27$ Nos

For Vibhor Home Developers Private Limited



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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 Recommend (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 | - | - | - | 25.00 | 25 | - | - | 160 | - | - | - |

Note :- 20 Nos connections are to be done from flushing water supply line i.e. 20 Nos x 8 Mtr/each = 160 Mtr for 25mm i/d

For Vibhor Home Developers Private Limited

 Authorised Signatory

HYDRAULIC STATEMENT OF WATER SUPPLY (DOMESTIC)

SUBHEAD : DOMESTIC WATER SUPPLY SCHEME - DESIGN CALCULATION

| S. No. | Line Reference | Type of Colony | Residential Plots | | | | Population @ 13.50 Person per plot | Water Requirement @ 172.50 LPCD | Other Water Requirement i.e. Commercial / Community Centre / booth/ other in LPD | Total Water Requirement in LPD | Water Requirement @ 67% of total water requirement | Peak Flow in LPH | Velocity (m/s) | Size of the pipe in (mm) | Total Friction Loss in M/M | Length in (M) | Loss of Head in Line (M) | Formation Level at Lower End | Available Head at Lower end (M) | Terminal Head (M) | Remarks |
|--------|----------------|----------------|-------------------|--------|-------|-------|------------------------------------|---------------------------------|--|--------------------------------|--|------------------|----------------|--------------------------|----------------------------|---------------|--------------------------|------------------------------|---------------------------------|-------------------|--|
| | | | Self | Branch | Total | Total | | | | | | | | | | | | | | | |
| 1 | From 2 | To 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 1 | UGT A | Plotted Resl. | - | 162 | 162 | 162 | 2187 | 377258 | 64713 | 441971 | 296120 | 111045 | 0.49 | 200 | 0.002 | 10 | 0.02 | 213.05 | 258.08 | 45.03 | Formation Level at Water Works i.e. UGT = 213.05 M |
| 2 | A | B | -do- | 2 | 160 | 162 | 2187 | 377258 | 31893 | 409151 | 274131 | 102799 | 0.72 | 150 | 0.007 | 50 | 0.35 | 213.10 | 257.73 | 44.63 | Boosting Head = 45.00 M |
| 3 | B | C | do | 7 | 145 | 152 | 2052 | 353970 | 22708 | 376678 | 252374 | 94640 | 0.62 | 150 | 0.005 | 48 | 0.24 | 213.15 | 257.49 | 44.34 | Hydraulic Head = 258.05 M |
| 4 | C | D | do | 8 | 127 | 135 | 1823 | 314381 | 22708 | 337089 | 225850 | 84694 | 0.62 | 150 | 0.005 | 48 | 0.24 | 213.20 | 257.25 | 44.05 | |
| 5 | D | E | do | 1 | 116 | 117 | 1580 | 272464 | 22708 | 295171 | 197765 | 74162 | 0.62 | 150 | 0.005 | 12 | 0.06 | 213.22 | 257.19 | 43.97 | |
| 6 | E | F | do | - | 97 | 97 | 1310 | 225889 | 22708 | 248596 | 166559 | 62460 | 0.43 | 150 | 0.003 | 40 | 0.12 | 213.27 | 257.07 | 43.80 | |
| 7 | F | G | do | 10 | 64 | 74 | 999 | 172328 | - | 172327 | 115459 | 43297 | 0.38 | 150 | 0.002 | 55 | 0.11 | 213.30 | 256.96 | 43.66 | |
| 8 | G | H | do | - | 54 | 54 | 729 | 125753 | - | 125753 | 84254 | 31595 | 0.34 | 150 | 0.002 | 40 | 0.08 | 213.35 | 256.88 | 43.53 | |
| 9 | H | H1 | do | 34 | - | 34 | 459 | 79178 | - | 79178 | 53049 | 19893 | 0.47 | 100 | 0.005 | 115 | 0.57 | 213.45 | 256.31 | 42.86 | |
| 10 | A | A1 | do | - | - | - | #VALUE! | #VALUE! | 32820 | 32820 | 21989 | 8245 | 0.23 | 100 | 0.001 | 135 | 0.13 | 213.10 | 257.95 | 44.85 | |
| 11 | B | B1 | do | 8 | - | 8 | 108 | 18630 | 4185 | 22815 | 15286 | 5732 | 0.23 | 100 | 0.001 | 42 | 0.04 | 213.15 | 257.69 | 44.54 | |
| 12 | C | C1 | do | 10 | - | 10 | 135 | 23288 | - | 23287 | 15602 | 5850 | 0.20 | 100 | 0.001 | 42 | 0.04 | 213.20 | 257.45 | 44.25 | |
| 13 | D | D1 | do | 10 | - | 10 | 135 | 23288 | - | 23287 | 15602 | 5850 | 0.20 | 100 | 0.001 | 42 | 0.04 | 213.25 | 257.21 | 43.96 | |
| 14 | E | E1 | do | 19 | - | 19 | 257 | 44246 | - | 44246 | 29645 | 11116 | 0.39 | 100 | 0.003 | 68 | 0.20 | 213.27 | 256.99 | 43.72 | |
| 15 | F | F1 | do | 23 | - | 23 | 311 | 53561 | 22708 | 76269 | 51100 | 19162 | 0.39 | 100 | 0.003 | 75 | 0.22 | 213.35 | 256.85 | 43.50 | |
| 16 | G | G1 | do | 10 | - | 10 | 135 | 23288 | - | 23288 | 15603 | 5850 | 0.16 | 100 | 0.001 | 60 | 0.06 | 213.35 | 256.90 | 43.55 | |
| 17 | H | H2 | do | 20 | - | 20 | 270 | 46575 | - | 46575 | 31205 | 11701 | 0.23 | 100 | 0.001 | 60 | 0.06 | 213.40 | 256.82 | 43.42 | |

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

| S. No. | Line Reference | Type of Colony | Residential Plots | | | | Population @ 13.50 Person per flat | Water Requirement @ 172.50 LPCD | Other Water Requirement i.e. Commercial, Community Centre / booth/other in LPD | Total Water Requirement in LPD | Water Requirement @ 33% of total water requirement | Peak Flow in LPH | Velocity (m/s) | Size of the pipe in (mm) | Total Friction Loss in M/M | Length in (M) | Loss of Head in Line (M) | Formation Level at Lower End | Available Head at Lower end (M) | Terminal Head (M) | Remarks |
|--------|----------------|----------------|-------------------|--------|-------|------|------------------------------------|---------------------------------|--|--------------------------------|--|------------------|----------------|--------------------------|----------------------------|---------------|--------------------------|------------------------------|---------------------------------|---|---------|
| | | | Self | Branch | Total | | | | | | | | | | | | | | | | |
| 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | |
| 1 | STP | a | | 162 | 162 | 2187 | 377258 | 64713 | 441971 | 145850 | 54693 | 0.62 | 150 | 0.005 | 10 | 0.05 | 213.05 | 258.05 | 45.00 | Formation Level at STP = 213.10 M Boosting Head = 45.00 M Flushing Hydraulic Head at STP = 258.10 M | |
| 2 | a | --do-- | 2 | 160 | 162 | 2187 | 377258 | 31893 | 409151 | 135020 | 50632 | 0.62 | 150 | 0.005 | 30 | 0.15 | 213.10 | 257.90 | 44.80 | | |
| 3 | b | --do-- | 7 | 145 | 152 | 2052 | 353970 | 22708 | 376678 | 124304 | 46613 | 0.43 | 150 | 0.003 | 48 | 0.14 | 213.15 | 257.76 | 44.61 | | |
| 4 | c | --do-- | 8 | 127 | 135 | 1823 | 314381 | 22708 | 337089 | 111239 | 41714 | 0.38 | 150 | 0.002 | 48 | 0.09 | 213.20 | 257.67 | 44.47 | | |
| 5 | d | --do-- | 1 | 116 | 117 | 1580 | 272464 | 22708 | 295172 | 97407 | 36527 | 0.38 | 150 | 0.002 | 12 | 0.03 | 213.22 | 257.65 | 44.43 | | |
| 6 | e | --do-- | - | 97 | 97 | 1310 | 225889 | 22708 | 248596 | 82037 | 30763 | 0.34 | 150 | 0.002 | 40 | 0.08 | 213.27 | 257.57 | 44.30 | | |
| 7 | f | --do-- | 10 | 64 | 74 | 999 | 172328 | - | 172328 | 56868 | 21325 | 0.39 | 100 | 0.003 | 55 | 0.16 | 213.30 | 257.41 | 44.11 | | |
| 8 | g | --do-- | - | 54 | 54 | 729 | 125753 | - | 125752 | 41498 | 15562 | 0.39 | 100 | 0.003 | 40 | 0.12 | 213.35 | 257.29 | 43.94 | | |
| 9 | h | --do-- | 34 | - | 34 | 459 | 79178 | - | 79178 | 26129 | 9798 | 0.31 | 100 | 0.002 | 115 | 0.23 | 213.45 | 257.06 | 43.61 | | |
| 10 | a | a1 | - | - | - | - | - | 32820 | 32820 | 10831 | 4061 | 0.23 | 100 | 0.001 | 155 | 0.15 | 213.10 | 257.90 | 44.80 | | |
| 11 | b | b1 | 8 | - | 8 | 108 | 18630 | 4185 | 22815 | 7529 | 2823 | 0.16 | 100 | 0.001 | 42 | 0.04 | 213.15 | 257.86 | 44.71 | | |
| 12 | c | c1 | 10 | - | 10 | 135 | 23288 | - | 23287 | 7685 | 2882 | 0.16 | 100 | 0.001 | 42 | 0.04 | 213.20 | 257.72 | 44.52 | | |
| 13 | d | d1 | 10 | - | 10 | 135 | 23288 | - | 23287 | 7685 | 2882 | 0.16 | 100 | 0.001 | 42 | 0.04 | 213.25 | 257.63 | 44.38 | | |
| 14 | e | e1 | 19 | - | 19 | 257 | 44246 | - | 44246 | 14601 | 5475 | 0.23 | 100 | 0.001 | 68 | 0.06 | 213.27 | 257.59 | 44.32 | | |
| 15 | f | f1 | 23 | - | 23 | 311 | 53561 | 22708 | 76269 | 25169 | 9438 | 0.27 | 100 | 0.002 | 75 | 0.15 | 213.35 | 257.42 | 44.07 | | |
| 16 | g | g1 | 10 | - | 10 | 135 | 23288 | - | 23287 | 7685 | 2882 | 0.16 | 100 | 0.001 | 60 | 0.06 | 213.35 | 257.35 | 44.00 | | |
| 17 | h | h2 | 20 | - | 20 | 270 | 46575 | - | 46575 | 15370 | 5764 | 0.23 | 100 | 0.001 | 60 | 0.06 | 213.40 | 257.23 | 43.83 | | |

DESIGN STATEMENT OF SEWERAGE SCHEME

SUBHEAD : SEWERAGE SCHEME - DESIGN CALCULATION

| S. No. | Line Reference | Type of Colony | Unit / Flat | | Population @ 13.50 Person per plot | Water Requirement @ 172.50 LPCD | Other Requirement i.e. comm./ building / Anganwadi | Total water requirement LPD | Sew. Quantity after evaporation losses @ 20% (In LPD) | Sewerage Discharge Peak Flow (m3/sec) | Size of pipe in (mm) | Velocity (m/sec) | Carrying capacity of pipe (m/sec) | Length in Mtr | Fall + Extra Fall in line due to slope (m) | Ground Level | | Formation Level | | Invert Level | | Depth | | | | | | |
|--------|----------------|------------------|--------------|--------|------------------------------------|---------------------------------|--|-----------------------------|---|---------------------------------------|----------------------|------------------|-----------------------------------|---------------|--|--------------|-------|-----------------|--------|--------------|--------|--------|--------|--------|---------|------|------|------|
| | | | Self | Branch | | | | | | | | | | | | Total | Start | End | Start | End | Start | End | Start | End | Average | | | |
| 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 | 26 | 27 | 28 | |
| 1 | A | B | Plotted Res. | 34 | 34 | 459 | 791/8 | 791/8 | 63342 | 0.0021 | 200 | 0.012 | 0.76 | 225 | 0.76 | 0.012 | 112 | 0.49 | 213.10 | 213.15 | 213.45 | 213.35 | 212.25 | 211.76 | 211.76 | 1.70 | 1.59 | 1.40 |
| 2 | BL | B | -do- | 20 | 20 | 270 | 465/75 | 465/75 | 37260 | 0.0012 | 200 | 0.012 | 0.76 | 225 | 0.76 | 0.012 | 68 | 0.30 | 213.20 | 213.15 | 213.40 | 213.35 | 212.20 | 211.90 | 211.90 | 1.20 | 1.45 | 1.32 |
| 3 | B | C | -do- | 54 | 54 | 729 | 12575.3 | 12575.3 | 100602 | 0.0034 | 250 | 0.019 | 0.76 | 305 | 0.76 | 0.019 | 40 | 0.13 | 213.15 | 213.05 | 213.35 | 213.30 | 211.73 | 211.60 | 1.62 | 1.70 | 1.66 | |
| 4 | CL | C | -do- | 10 | 10 | 135 | 23288 | 23288 | 18630 | 0.0006 | 200 | 0.012 | 0.76 | 225 | 0.76 | 0.012 | 68 | 0.30 | 213.15 | 213.05 | 213.35 | 213.30 | 212.15 | 211.85 | 1.20 | 1.45 | 1.32 | |
| 5 | C | D | -do- | 10 | 64 | 74 | 999 | 177328 | 137862 | 0.0047 | 250 | 0.019 | 0.76 | 305 | 0.76 | 0.019 | 45 | 0.14 | 213.05 | 213.00 | 213.30 | 213.27 | 211.60 | 211.57 | 1.70 | 1.81 | 1.75 | |
| 6 | DI | D | -do- | 23 | 23 | 311 | 53570 | 76269 | 61015 | 0.0021 | 250 | 0.019 | 0.76 | 305 | 0.76 | 0.019 | 82 | 0.26 | 213.15 | 213.00 | 213.35 | 213.27 | 212.15 | 211.89 | 1.20 | 1.38 | 1.29 | |
| 7 | D | E | -do- | 97 | 97 | 1310 | 225975 | 248597 | 198878 | 0.0068 | 300 | 0.027 | 0.76 | 385 | 0.76 | 0.027 | 42 | 0.10 | 213.00 | 212.95 | 213.27 | 213.22 | 211.43 | 211.33 | 1.80 | 1.89 | 1.86 | |
| 8 | EI | E | -do- | 19 | 19 | 257 | 44246 | 44246 | 35397 | 0.0012 | 200 | 0.012 | 0.76 | 225 | 0.76 | 0.012 | 70 | 0.31 | 213.00 | 212.95 | 213.27 | 213.22 | 212.07 | 211.76 | 1.20 | 1.46 | 1.33 | |
| 9 | E | F | -do- | 1 | 116 | 1580 | 272464 | 295172 | 236138 | 0.0081 | 300 | 0.027 | 0.76 | 385 | 0.76 | 0.027 | 17 | 0.03 | 212.95 | 212.95 | 213.22 | 213.20 | 211.33 | 211.30 | 1.89 | 1.90 | 1.89 | |
| 10 | F1 | F | -do- | 10 | 10 | 135 | 23288 | 23288 | 18630 | 0.0006 | 200 | 0.012 | 0.76 | 225 | 0.76 | 0.012 | 40 | 0.17 | 213.00 | 212.95 | 213.25 | 213.20 | 212.05 | 211.88 | 1.20 | 1.32 | 1.26 | |
| 11 | F | G | -do- | 8 | 127 | 135 | 314381 | 337089 | 269671 | 0.0093 | 300 | 0.027 | 0.76 | 385 | 0.76 | 0.027 | 48 | 0.12 | 212.95 | 212.70 | 213.20 | 213.15 | 211.30 | 211.18 | 1.90 | 1.97 | 1.93 | |
| 12 | G1 | G | -do- | 10 | 10 | 135 | 23288 | 23288 | 18630 | 0.0006 | 200 | 0.012 | 0.76 | 225 | 0.76 | 0.012 | 40 | 0.17 | 212.95 | 212.70 | 213.20 | 213.15 | 212.00 | 211.83 | 1.20 | 1.32 | 1.26 | |
| 13 | G | H | -do- | 7 | 145 | 2052 | 351970 | 376678 | 301342 | 0.0104 | 400 | 0.027 | 0.76 | 385 | 0.76 | 0.027 | 48 | 0.12 | 212.70 | 212.80 | 213.15 | 213.10 | 211.18 | 211.06 | 1.97 | 2.04 | 2.00 | |
| 14 | H1 | H | -do- | 8 | 8 | 108 | 18630 | 22815 | 18252 | 0.0006 | 200 | 0.012 | 0.76 | 225 | 0.76 | 0.012 | 40 | 0.17 | 212.85 | 212.80 | 213.15 | 213.10 | 211.95 | 211.78 | 1.20 | 1.32 | 1.26 | |
| 15 | H | J | -do- | 2 | 160 | 162 | 372258 | 409151 | 327421 | 0.0113 | 300 | 0.027 | 0.76 | 385 | 0.76 | 0.027 | 40 | 0.10 | 212.80 | 212.85 | 213.10 | 213.05 | 211.06 | 210.96 | 2.04 | 2.09 | 2.06 | |
| 16 | J1 | J | -do- | - | - | - | #VALUE! | 32820 | 26256 | 0.0009 | 200 | 0.012 | 0.76 | 225 | 0.76 | 0.012 | 155 | 0.68 | 212.90 | 212.85 | 213.10 | 213.05 | 212.10 | 211.42 | 1.00 | 1.63 | 1.31 | |
| 17 | J | STP | -do- | 162 | 162 | 2187 | 377258 | 441971 | 353577 | 0.0122 | 400 | 0.049 | 0.76 | 570 | 0.76 | 0.049 | 8 | 0.02 | 212.85 | 212.90 | 213.05 | 213.10 | 210.91 | 210.89 | 2.14 | 2.21 | 2.17 | |
| 18 | STP | Master Sewer HSE | - | - | - | - | - | - | - | - | 200 | - | - | 195 | 0.50 | - | - | - | 212.90 | 212.75 | 213.10 | 212.85 | 211.10 | 210.60 | 2.00 | 2.25 | 2.13 | |

D.I. Pipe (By pumping from STP)

For Vibhor Home Developers Private Limited

Authorised Signatory

DESIGN CALCULATION OF STORM WATER DRAINAGE SCHEME

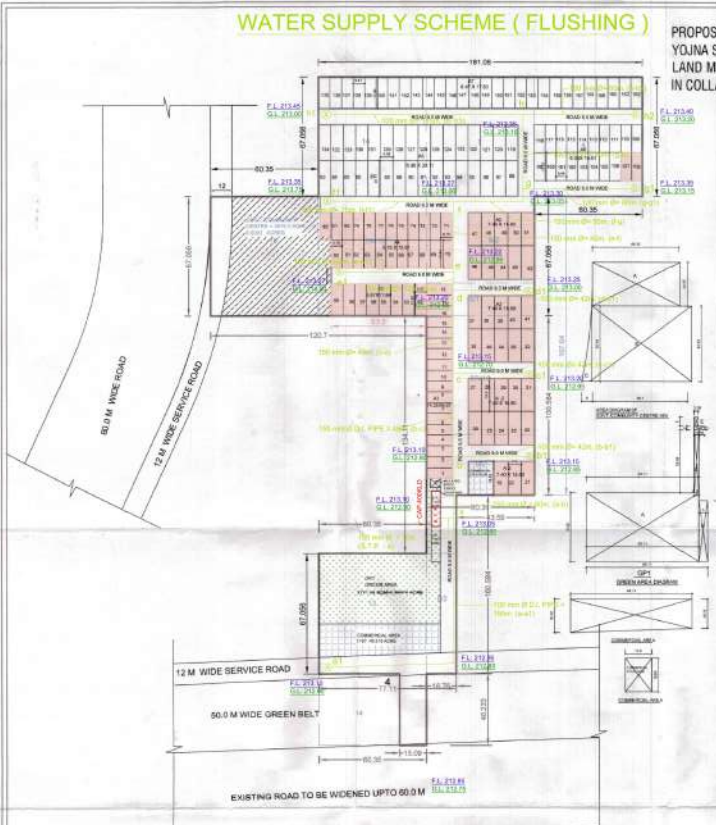
INTENSITY OF RAIN FALL = 0.006 MTR /HR

IMPERMEABILITY FACTOR = 0.6

| S. No. | Name of Node | | Area (Self) IN SQM | Area (Self) In Acre | Branch Area In Acre | Total Area In Acre | Total Area Hectore | Rain fall mm / hr. | Discharge @ 17.36 LPS/Hectore 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 | | Invert Level | | Depth of M.H's | | Average Depth | Remarks |
|--------|--------------|-------------------|--------------------|---------------------|---------------------|--------------------|--------------------|--------------------|--------------------------------------|---------------|----------------|--------------|-------------------|----------------------|--------------------------|---------------|--------|-----------------|--------|--------------|--------|----------------|------|---------------|---------|
| | From | To | | | | | | | | | | | | | | Start | End | Start | End | Start | End | Start | End | | |
| 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 | |
| 1 | A | B/RWH-1 | 5250 | 1.30 | - | 1.30 | 0.53 | 6.00 | 9.20 | 110 | 400 | 570 | 0.76 | 98.57 | 0.19 | 213.00 | 213.15 | 213.45 | 213.35 | 211.65 | 211.46 | 1.80 | 1.89 | 1.84 | |
| 2 | BL | B/RWH-1 | 2800 | 0.69 | - | 0.69 | 0.28 | 6.00 | 4.86 | 65 | 400 | 570 | 0.76 | 98.57 | 0.11 | 213.20 | 213.15 | 213.40 | 213.35 | 211.90 | 211.79 | 1.50 | 1.56 | 1.53 | |
| 3 | B/RWH1 | C | 800 | 0.20 | 1.99 | 2.19 | 0.89 | 6.00 | 15.45 | 40 | 400 | 570 | 0.76 | 98.57 | 0.07 | 213.15 | 213.05 | 213.35 | 213.30 | 211.46 | 211.39 | 1.89 | 1.91 | 1.90 | |
| 4 | Cl | C | 1560 | 0.39 | - | 0.39 | 0.16 | 6.00 | 2.77 | 65 | 400 | 570 | 0.76 | 98.57 | 0.11 | 213.15 | 213.05 | 213.35 | 213.30 | 211.85 | 211.74 | 1.50 | 1.56 | 1.53 | |
| 5 | Cl | D/RWH2 | 1100 | 0.27 | 2.58 | 2.85 | 1.15 | 6.00 | 19.96 | 45 | 400 | 570 | 0.76 | 98.57 | 0.07 | 213.05 | 213.00 | 213.30 | 213.27 | 211.39 | 211.32 | 1.91 | 1.95 | 1.93 | |
| 6 | D1/RWH3 | D/RWH2 | 6020 | 1.49 | - | 1.49 | 0.60 | 6.00 | 10.41 | 80 | 400 | 570 | 0.76 | 98.57 | 0.14 | 213.15 | 213.00 | 213.35 | 213.27 | 211.85 | 211.71 | 1.50 | 1.56 | 1.53 | |
| 7 | D/RWH2 | E/RWH-8 | 400 | 0.10 | 4.34 | 4.44 | 1.80 | 6.00 | 31.24 | 42 | 400 | 570 | 0.76 | 98.57 | 0.07 | 213.00 | 212.95 | 213.27 | 213.22 | 211.32 | 211.25 | 1.95 | 1.97 | 1.96 | |
| 8 | E1/RWH4 | E/RWH-8 | 4900 | 1.21 | - | 1.21 | 0.49 | 6.00 | 8.50 | 70 | 400 | 570 | 0.76 | 98.57 | 0.12 | 213.00 | 212.95 | 213.27 | 213.22 | 211.77 | 211.65 | 1.50 | 1.57 | 1.53 | |
| 9 | E | F/RWH-5 | 274 | 0.07 | 5.65 | 5.72 | 2.32 | 6.00 | 40.27 | 12 | 400 | 570 | 0.76 | 98.57 | 0.02 | 212.95 | 212.95 | 213.22 | 213.20 | 211.25 | 211.23 | 1.97 | 1.97 | 1.97 | |
| 10 | F1 | F/RWH-5 | 2000 | 0.49 | - | 0.49 | 0.20 | 6.00 | 3.47 | 40 | 400 | 570 | 0.76 | 98.57 | 0.07 | 213.00 | 212.95 | 213.25 | 213.20 | 211.75 | 211.68 | 1.50 | 1.52 | 1.51 | |
| 11 | F/RWH5 | G/RWH-9 | 1100 | 0.27 | 6.21 | 6.48 | 2.62 | 6.00 | 45.48 | 48 | 400 | 570 | 0.76 | 98.57 | 0.08 | 212.95 | 212.90 | 213.20 | 213.15 | 211.23 | 211.15 | 1.97 | 2.00 | 1.98 | |
| 12 | G1 | G/RWH-9 | 2000 | 0.49 | - | 0.49 | 0.20 | 6.00 | 3.47 | 40 | 400 | 570 | 0.76 | 98.57 | 0.07 | 212.95 | 212.90 | 213.20 | 213.15 | 211.70 | 211.63 | 1.50 | 1.52 | 1.51 | |
| 13 | G | H/RWH-6 | 1100 | 0.27 | 6.97 | 7.24 | 2.93 | 6.00 | 50.86 | 48 | 400 | 570 | 0.76 | 98.57 | 0.08 | 212.90 | 212.80 | 213.15 | 213.10 | 211.15 | 211.07 | 2.00 | 2.03 | 2.02 | |
| 14 | H1 | H/RWH-6 | 1800 | 0.44 | - | 0.44 | 0.18 | 6.00 | 3.12 | 40 | 400 | 570 | 0.76 | 98.57 | 0.07 | 212.85 | 212.80 | 213.15 | 213.10 | 211.65 | 211.58 | 1.50 | 1.52 | 1.51 | |
| 15 | H/RWH6 | I/RWH-7 | 2200 | 0.54 | 7.68 | 8.22 | 3.32 | 6.00 | 57.63 | 90 | 400 | 570 | 0.76 | 98.57 | 0.15 | 212.80 | 212.85 | 213.10 | 213.05 | 211.07 | 210.92 | 2.03 | 2.13 | 2.08 | |
| 16 | I/RWH7 | J/RWH-8 | 600 | 0.15 | 8.22 | 8.37 | 3.39 | 6.00 | 58.85 | 60 | 450 | 570 | 0.76 | 98.57 | 0.10 | 212.85 | 212.80 | 213.05 | 212.95 | 210.92 | 210.82 | 2.13 | 2.13 | 2.13 | |
| 17 | J1 | J/RWH-8 | 2000 | 0.49 | - | 0.49 | 0.20 | 6.00 | 3.47 | 50 | 450 | 570 | 0.76 | 98.57 | 0.08 | 212.90 | 212.80 | 213.10 | 212.95 | 211.60 | 211.52 | 1.50 | 1.43 | 1.46 | |
| 18 | JRWH8 | K/RWH-9 | 600 | 0.15 | 8.86 | 9.01 | 3.65 | 6.00 | 63.36 | 45 | 450 | 570 | 0.76 | 98.57 | 0.07 | 212.80 | 212.80 | 212.95 | 212.90 | 210.82 | 210.75 | 2.13 | 2.15 | 2.14 | |
| 19 | K/RWH9 | Master SWD (HSVP) | 160 | 0.04 | 9.01 | 9.05 | 3.66 | 6.00 | 63.53 | 50 | 450 | 570 | 0.76 | 98.57 | 0.08 | 212.80 | 212.75 | 212.90 | 212.85 | 210.75 | 210.67 | 2.15 | 2.18 | 2.16 | |

WATER SUPPLY SCHEME (FLUSHING)

PROPOSED LAY-OUT PLAN OF AFFORDABLE PLOTTED COLONY UNDER DEEN DAYAL JAN AWAS YOUNG SCHEME -2016 IN RENEVE ESTATE SOHNA, SECTOR- 35, SOHNA, DISTT. GURUGRAM (HR) LAND MEASURING 9.0625 ACRES, BELONGING TO LION INFRA DEVELOPERS LLP IN COLLABORATION WITH VIBHOR HOME DEVELOPERS PVT. LTD



| S. NO. | Type of Plot | WIDTH (M) | DEPTH (M) | AREA (Sqm) | TOTAL NO. OF PLOTS | AREA (Sqm) |
|--------------|--------------|-----------|-----------|------------|--------------------|-----------------|
| 1 | AI | 6.57 | 18.00 | 118.26 | 20 | 2365.20 |
| 2 | AJ | 7.4 | 18.00 | 133.20 | 10 | 1332.00 |
| 3 | AK | 6.57 | 18.00 | 118.26 | 10 | 1182.60 |
| 4 | AL | 6.57 | 18.00 | 118.26 | 10 | 1182.60 |
| 5 | AM | 6.57 | 18.00 | 118.26 | 10 | 1182.60 |
| 6 | AN | 6.57 | 18.00 | 118.26 | 10 | 1182.60 |
| 7 | AO | 6.57 | 18.00 | 118.26 | 10 | 1182.60 |
| 8 | AP | 6.57 | 18.00 | 118.26 | 10 | 1182.60 |
| 9 | AQ | 6.57 | 18.00 | 118.26 | 10 | 1182.60 |
| 10 | AR | 6.57 | 18.00 | 118.26 | 10 | 1182.60 |
| TOTAL | | | | 100 | | 10000.00 |

| S. NO. | Type of Plot | WIDTH (M) | DEPTH (M) | AREA (Sqm) | TOTAL NO. OF PLOTS | Area (Sqm) |
|--------------|--------------|-----------|-----------|------------|--------------------|-----------------|
| 1 | AS | 10 | 10 | 100 | 100 | 10000.00 |
| 2 | AT | 10 | 10 | 100 | 100 | 10000.00 |
| 3 | AU | 10 | 10 | 100 | 100 | 10000.00 |
| 4 | AV | 10 | 10 | 100 | 100 | 10000.00 |
| TOTAL | | | | 400 | | 40000.00 |

| Description | Area in Acres | Area in Sqm |
|---|---------------|------------------|
| Total Plot Area | 9.0625 | 36674.578 |
| Area under Sector Road & Green Belt | 0.6688 | A |
| Blank Area | 0.3837 | A |
| 50% Benefit of area falling under sector road & Green Belt | 0.3344 | B |
| Net Plot Area | 0.7281 | 29321.311 |
| Required Green Area (7.50%) | 0.679875 | 2750.593 |
| Proposed Green Area (7.55%) | 0.68424 | 2771.050 |
| 50% Area to be transferred free of cost to the Government for Community Site | 0.36025 | 1441.458 |
| Proposed Area to be transferred free of cost to the Government for Community Site (50.0%) | 0.3415 | 1365.943 |
| Permissible Area Under Plots (61%) | 55.28125 | 223714.927 |
| Proposed Area Under Plots (51.632%) | 0.67923 | 26936.126 |
| Permissible Commercial Area (6%) | 0.43700 | 17486.963 |
| Proposed Commercial Area (3.907%) | 0.30222 | 12085.51 |
| Area for STP (0.277%) | 0.0247 | 980.00 |
| Area for UGT (0.272%) | 0.0247 | 980 |
| Area for Milk & Vegetable booth (0.079%) | 0.0008 | 32.50 |
| Area for Transformer (0.03%) | 0.0010 | 4.00 |
| Total area for other services (0.629%) | 0.0572 | 231.5 |
| Proposed Plots | 100 | |
| Permissible Density | 240-400 PPA | |
| Total Population (@ 13.5 Persons per Plot) | 2187 | |
| Proposed Density | 240.57 | |
| 50% Area to be Freed of Area under Plotted Development required | 2.3393 | 9408.063 |
| Proposed 50% Area to be Freed of Area under Plotted Development | 2.3517 | 9517.155 |
| Total saleable area | 0.28144 | 11240.952 |
| (51.632+3.997=55.629%) | | |

| Category | Area (Sqm) | Depth (M) | Area (Sqm) |
|--------------|------------|-----------|---------------|
| GREEN SP | 66.11 | 10 | 661.10 |
| LA | 1.78 | 10 | 17.80 |
| B | 1.78 | 10 | 17.80 |
| D | 0.36 | 10 | 3.60 |
| E | 0.36 | 10 | 3.60 |
| TOTAL | | | 723.90 |

To be read with License No. 241 of 2016 dated 24.12.2016

1. The layout plan for an affordable plotted colony (APCC) shall be prepared in accordance with the provisions of the Urban Planning Act, 1973 and the rules thereunder, and shall be submitted to the competent authority for approval.

2. The proposed area of the colony shall not exceed 10% of the net plotted area of the colony. The entire area reserved for the proposed colony shall be reserved for the use of the colony and shall not be used for any other purpose.

3. The proposed area of the colony shall be reserved for the use of the colony and shall not be used for any other purpose.

4. The proposed area of the colony shall be reserved for the use of the colony and shall not be used for any other purpose.

5. The proposed area of the colony shall be reserved for the use of the colony and shall not be used for any other purpose.

6. The proposed area of the colony shall be reserved for the use of the colony and shall not be used for any other purpose.

7. The proposed area of the colony shall be reserved for the use of the colony and shall not be used for any other purpose.

8. The proposed area of the colony shall be reserved for the use of the colony and shall not be used for any other purpose.

9. The proposed area of the colony shall be reserved for the use of the colony and shall not be used for any other purpose.

10. The proposed area of the colony shall be reserved for the use of the colony and shall not be used for any other purpose.

| LEGEND: |
|------------------------------|
| 1. OPEN AREA UNDER PROPOSED |
| 2. OPEN FIELD UNDER PROPOSED |
| 3. OPEN FIELD UNDER PROPOSED |
| 4. OPEN FIELD UNDER PROPOSED |

| LEGEND: |
|---------------------------------|
| 1. WATER SUPPLY LINE (FLUSHING) |
| 2. GARDEN HYDRANT |
| 3. S.P. |
| 4. F.I. |

LAY-OUT PLAN

NO. 5018

LAY-OUT PLAN

OWNER'S SIGNATURE

ARCHITECT'S SIGNATURE

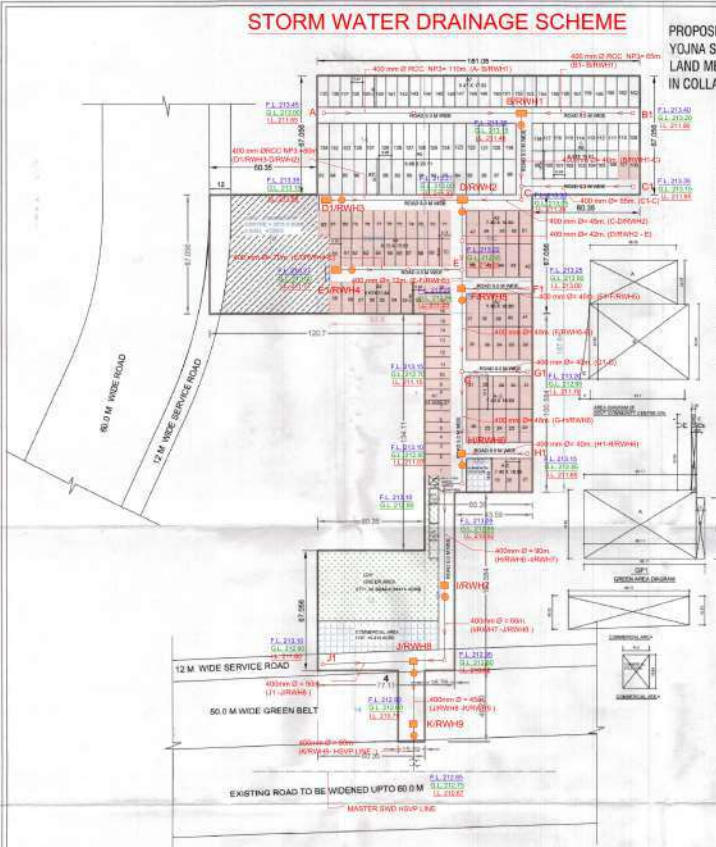
RAO AND ASSOCIATE

RAO AND ASSOCIATE

RAO AND ASSOCIATE

STORM WATER DRAINAGE SCHEME

PROPOSED LAY-OUT PLAN OF AFFORDABLE PLOTTED COLONY UNDER DEEN DAYAL JAN AWAS YOJNA SCHEME -2016 IN RENEVE ESTATE SOHNA, SECTOR- 3S, SOHNA, DISTT, GURUGRAM (HR) LAND MEASURING 9.0625 ACRES. BELONGING TO LION INFRA DEVELOPERS LLP IN COLLABORATION WITH VIBHOR HOME DEVELOPERS PVT. LTD



| S. NO. | Type of Plot | WIDTH (M) | LENGTH (M) | PROFIT AREA (SQ.M) | TOTAL NO. OF PLOTS | AREA (SQ.M) |
|--------|--------------|-----------|------------|--------------------|--------------------|-------------|
| 1 | A1 | 6.00 | 18.00 | 108.00 | 10 | 1080.00 |
| 2 | A2 | 7.4 | 18.00 | 133.20 | 10 | 1332.00 |
| 3 | A3 | 6.00 | 17.00 | 102.00 | 8 | 816.00 |
| 4 | A4 | 6.00 | 18.00 | 108.00 | 10 | 1080.00 |
| 5 | A5 | 6.00 | 18.00 | 108.00 | 10 | 1080.00 |
| 6 | A6 | 6.00 | 18.00 | 108.00 | 10 | 1080.00 |
| 7 | A7 | 6.00 | 18.00 | 108.00 | 10 | 1080.00 |
| | TOTAL | | | 672.00 | 78 | 6720.00 |

| S. NO. | Type of Plot | WIDTH (M) | LENGTH (M) | PROFIT AREA (SQ.M) | TOTAL AREA (SQ.M) | Percentage (%) |
|--------|--------------|-----------|------------|--------------------|-------------------|----------------|
| 1 | A1 | 6.00 | 18.00 | 108.00 | 1080.00 | 10.00 |
| 2 | A2 | 7.4 | 18.00 | 133.20 | 1332.00 | 13.32 |
| 3 | A3 | 6.00 | 17.00 | 102.00 | 816.00 | 10.20 |
| 4 | A4 | 6.00 | 18.00 | 108.00 | 1080.00 | 10.80 |
| 5 | A5 | 6.00 | 18.00 | 108.00 | 1080.00 | 10.80 |
| 6 | A6 | 6.00 | 18.00 | 108.00 | 1080.00 | 10.80 |
| 7 | A7 | 6.00 | 18.00 | 108.00 | 1080.00 | 10.80 |
| | TOTAL | | | 672.00 | 6720.00 | 10.00 |

| Description | Area In Acres | Area In Sqm |
|--|---------------|-------------|
| Total Plot Area | 9.0625 | 36674.378 |
| Area under Sector Road & Green Belt | 0.6488 | |
| Blank Area | 0.3937 | A |
| 50% Benefit of area falling under sector road & Green Belt | 0.3244 | B |
| Net Plot Area | 0.7281 | 35321.311 |

| | | |
|---|-------------|------------|
| Required Green Area (7.50%) | 0.6796875 | 2750.593 |
| Proposed Green Area (7.550%) | 0.68474 | 2721.656 |
| 10% Area to be transferred free of cost to the Government for Community Site | 0.90625 | 3647.458 |
| Proposed Area to be transferred free of cost to the Government for Community Site (10.5%) | 0.9483 | 3765.973 |
| Permissible Area Under Plots (61%) | 55.28125 | 223734.927 |
| Proposed Area Under Plots (51.629%) | 4.67928 | 18696.126 |
| Permissible Commercial Area (4%) | 0.36250 | 1446.983 |
| Proposed Commercial Area (3.997%) | 0.36222 | 1445.83 |
| Area for STP (0.272%) | 0.0287 | 100.00 |
| Area for UOI (0.272%) | 0.0287 | 100 |
| Area for Mts & Vegetable beds (0.075%) | 0.00368 | 14.50 |
| Area for Transformer (0.01%) | 0.0010 | 4.00 |
| Total area for other services (0.629%) | 0.0572 | 231.5 |
| Proposed Plots | 180 | |
| Permissible Density | 240-400 PPA | |
| Total Population (@ 13.5 Persons per Plot) | 2430 | |
| Proposed Density | 250.57 | |
| 50% Area to be Frozen of Area under Plotted Development required | 2.31961 | 9468.063 |
| Proposed 50% Area to be Frozen of Area under Plotted Development | 2.3517 | 9517.135 |
| Total saleable area (51.629+3.997+55.629%) | 3.04144 | 12061.356 |

| CATEGORY | WIDTH | DEPTH | AREA IN SQ.M |
|----------|-------|-------|--------------|
| ROADWAY | 60.00 | 3.00 | 1800.00 |
| A | 5.00 | 24.00 | 120.00 |
| B | 1.50 | 3.00 | 4.50 |
| C | 1.50 | 3.00 | 4.50 |
| D | 1.50 | 3.00 | 4.50 |
| E | 1.50 | 3.00 | 4.50 |
| TOTAL | | | 2037.00 |

LAY-OUT PLAN

| | |
|---------------|------------|
| Plot Area | Light Grey |
| Plot Boundary | Red Line |
| Plot Number | Black Text |
| Plot Area | Light Grey |

| | |
|-----------------------|------------|
| STORM WATER LINE | Blue Line |
| RAIN WATER HARVESTING | Green Line |
| WATER SOWER HOUP LINE | Black Line |
| STORM WATER LINE | Blue Line |

To be read with Form No. 201 of 2014 dated 20.04.2014

This is layout plan for an area measuring 9.0625 acres (36674.378 sq.m) situated at RENEVE ESTATE SOHNA, SECTOR- 3S, SOHNA, DISTT, GURUGRAM (HR) and is proposed to be developed as an affordable plotted colony under Deen Dayal Jan Awas Yojna Scheme - 2016. The area is owned by Lion Infra Developers LLP and is being developed in collaboration with Vibhor Home Developers Pvt. Ltd. The layout plan is prepared in accordance with the provisions of the Delhi Building Act, 1956 and the Delhi Building Rules, 1960. The layout plan is subject to the approval of the competent authority. The layout plan is prepared in accordance with the provisions of the Delhi Building Act, 1956 and the Delhi Building Rules, 1960. The layout plan is subject to the approval of the competent authority. The layout plan is prepared in accordance with the provisions of the Delhi Building Act, 1956 and the Delhi Building Rules, 1960. The layout plan is subject to the approval of the competent authority.

RA-5018 A-1

ARCHITECTS

RAO AND ASSOCIATE

RAO AND ASSOCIATE

