

SAVE WATER

4936

**10.6125 ACRE AFFORDABLE RESIDENTIAL
PLOTTED COLONY (UNDER DEEN DAYAL JAN
AWAS YOJNA) IN SECTOR 12A, JHAJJAR**

License no. 217 of 2023 Dated 25/10/2023

**VIJAYLAXMI
INFRABUILD PVT.
LTD.**

**ESTIMATE FOR PROVIDING WATER SUPPLY, SEWERAGE, STORM WATER
DRAINAGE, ROADS, STREET LIGHTING AND HORTICULTURE IN RESPECT OF
10.6125 ACRE AFFORDABLE RESIDENTIAL PLOTTED COLONY (UNDER DEEN
DAYAL JAN AWAS YOJNA) IN SECTOR-12A, JHAJJAR**

SAVE LIFE

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PROJECT REPORT/ESTIMATE FOR PROVIDING WATER SUPPLY, SEWERAGE, STORM WATER DRAINAGE, ROADS, STREET LIGHTING AND HORTICULTURE IN RESPECT OF 10.6125 ACRE AFFORDABLE RESIDENTIAL PLOTTED COLONY (UNDER DEEN DAYAL JAN AWAS YOJNA) IN SECTOR 12A, JHAJJAR.

REPORT

The Haryana Government has prepared a master plan for development of Residential/Industrial / Commercial urban estate JHAJJAR. M/S VIJAYLAXMI INFRABUILD PVT. LTD. has decided to develop a part of the area in this master plan and has named this part as 10.6125 Acre Affordable Residential plotted colony. This colony is located in sector – 12A of Haryana SHEHARI VIKAS PARADHIKARAN JHAJJAR. License has already been granted by D.G.T.C.P bearing No. 217 of 2023 Dated 25/10/2023. The brief details of the colony are as under:-

WATER SUPPLY

1 Source

The source of water supply in this area is CANAL. However for the time being water will be supplied from a tubewell. Moreover water is available at reasonable depth. The average yield of tubewell with 40-45 ft strainers will be about 20000litre per hour. The recharging of underground water table in this belt is stated to be good. The number of tubewells required for the above area has been worked out and the tubewells will be bored in tune with growth of demand to avoid absolence of the tubewells. The ultimate requirement of tubewells includes provisions of 10% stand by. Ultimately, water shall be supplied to the Project by HARYANA SHEHARI VIKAS PRADHIKARAN JHAJJAR.

2 Design

The scheme has been designed for approved population of 2511 persons. The rate of water supply per head per day has been taken as 155 litres (135 + 15 %) as per HSVP norms. In addition to above necessary provision of water for community area, shopping centres, parks etc. have been taken into account for calculating the maximum quantity of water requirement.

3 **Pump chambers and Pumping Machinery**

It is proposed to equip each tubewell with an electrically driven set ejecto type or submersible pump capable of delivering of 20000 litre per hour. It is also proposed to equip required Nos of pumping set with stand by diesel engines / gen set engines for operation during failure of electricity.

4 **Under Ground Storage**

Underground storage tank provision has been made for 275KL capacity.

- (a) In two compartments, which caters for the domestic as well as for firefighting requirement. The water for domestic water compartment shall overflow the fire compartment so that the water in the fire compartment also remains fresh.

5 **Boosting Station**

The boosting station is being planned for catering to the above requirement

6 **Distribution System**

The distribution system for this development has been designed to supply @ 155.00 litre per head per day @ 3 times the average rate of flow on Hazen William formula. Necessary provision for laying CI/DI pipes conforming to relevant IS standards along with valves and specials has been made in the project. The minimum terminal head at any point will be more than 27.00 meters so that it can serve the 5 stories construction. Minimum pipe dia for distribution is kept as 100 mm dia.

Rising mains

Rising mains from HSVP water main or sector road to water works have also been proposed and provision has been made in this estimate.

7 **Sewerage**

The sewer lines have been designed for 3 times average DWF in relation to the water supply demand assuming that 75% of the domestic water supply shall find its way into the proposed sewer. SW/RCC pipe sewers have been proposed and designed to run half full. The sewers have been designed on 0.77 M per second minimum velocity i.e. self cleansing velocity. Necessary provision for laying s.w./R.C.C. pipes manholes etc. has been made in this estimate.

8 Storm water Drainage

The storm water drainage is being designed to carry 6.25mm rainfall per hour. R.C.C. Hume pipes drain with minimum 400mm dia is proposed in this area.

9 Roads

The roads in the colony have been planned in such a way that feeder roads are 18M or more wide. Internal service roads providing approach to the plots are 9M wide. The following specifications have been adopted which are reproduced below.

- (i) 200 mm GSB
- (ii) 250 mm stone aggregate
- (iii) 50 mm thick D.B.M
- (iv) 30 mm thick BC

The above construction shall be done on well compacted sub grade as per specifications. Complete work will be carried out as per MORTH specifications, IRC guide lines or HSVP specifications, which ever applicable.

10 Street lighting

The provision has been made on lump sum basis.

11 Horticulture

The usual provision of road side plantation of tree guards has been made for all roads. The parks shall be developed by providing lawns etc.

12 Specifications

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

13 Rates

Estimate for providing services in this pocket has been prepared on the recent market rates.

14 Cost

The total cost of development in this project including various P.H. and B & R services works out to Rs ~~978.90~~^{1012.60} Lac. including 3% contingencies & P.E. charges and 49% departmental administrative, unforeseen and escalation charges.

The cost per gross acre for the phase works out to be ~~92.24~~^{95.35} lac which covers the provision of services like water supply, sewerage, storm water drainage, roads, street lighting, plantation including maintenance thereof.

For Vijaylaxmi Infrabuild Private Limited


Author

10.6125ACRES RESIDENTIAL PLOTTED COLONY

SECTOR -12A, JHAJJAR

DESIGN CALCULATIONS

Daily Requirement

1. **Total No. of Plots** = 186
Population per plot (@ 13.5) = 2511 persons
Therefore population = 13.5×186
Water requirement for plots @ 155 litres/head/day = 389205.00 litres
 2511×155 or
389.20 KL
2. **Add Requirement for Institutions etc.**
 - a. No of commercials = 1 No
Daily water requirement @ 32000 litre/Acre
Area of commercial = 0.256 Acres
Therefore daily water requirement = 0.256×32000 = 8192.00 litres
= 8.19 KL
 - b. No of Community area = 1 no. = 1.062 acres
Daily water requirement @ 25000 litre/acre = 26550.00 litres
= 1.062×25000 = 26.55 KL
 - c. Misc. for services etc. = 5,000 litres = 5.00 KL

Total = 39.74 KL
say = 40.00 KL
3. **Area under Parks** = 0.796 acres
Therefore daily water requirement @ 25000 litre/Acre = 19900.0 Litres
= 0.796×25000 = 19.90 KL

4. Area under Roads, kerbs out of 10.6125 acres = 1.72 acre
- Therefore daily water requirement for sweeping of roads and carwash = $1.72 \times 5 = 8.6 \text{ KL}$
- Assume daily water requirement = ~~15000.00 litres~~
- For sweeping of roads etc = ~~15.00 KL~~
- Total daily requirement**
- a. For domestic use (1+2) = $389.20 + 40.00$ = 429.20 KL
- b. Under parks & roads (3+4) = $19.90 + \overset{8.60}{\cancel{15.00}}$ = $\overset{28.50}{\cancel{34.90}}$ KL
- SAY = **38.00 KL**

Requirement of water supply for flushing

Assuming flushing requirement = $1/3$ of

Total Domestic requirement = $1/3 \times 429.20 = 143.07 \text{ KL}$

Balance requirement for domestic water supply = $429.20 - 143.07 = 286.13 \text{ KL}$

10.6125ACRES RESIDENTIAL PLOTTED COLONY
SECTOR -12A, JHAJJAR

TUBEWELL

Assuming working hours of tube well	= 16
Assuming discharge/hour of each tube well	= 20000 lit/hour
Total domestic demand	= 429.20 KL
Demand for parks roads	= 35.00 KL
No. of tube wells Required for	$= \frac{(429.20+35.00)}{20.00 \times 16}$
Total demand	= 1.45 NO

Add 10% stand by = 0.15

Total = 1.60

No of tubewells required for domestic demand (Potable water supply only) = 0.89

= $\frac{286.13}{20 \times 16}$ = 0.09

Add 10% stand by

0.98

1 nos.

Say

It is proposed to provide 1 Nos tube well at present and provision of 1 no tube well has been made in the estimate as the water supply is to be provided by HSVP to the colony ultimately and demand of flushing water supply Irrigation water supply and water supply for sweeping of roads and carwash is to be met from effluent of S.T.P.

Pumping machinery for tube wells

Gross working load	= 45.00 m
Average fall in is S.L.	= 3.00 m
Depression head	= 9.00 m
Friction Loss	= 3.00m
Total	= 60.00 m
B.H.P. = $\frac{20000 \times 60}{60 \times 60 \times 75 \times 0.6}$	= 7.40 = 7.50

Say

Boosting Machinery (potable/drinking water)

Assuming 8 hours running 1
pumps (with one stand by)

	$\frac{286.13 \text{ KL}}{8}$	= 35.76 KLH
Discharge/hour		= 596.00 liter/m Say 600.00 liter/m

Head of Pump

i) Suction Lift	4.00m
ii) Friction Loss in main & specials	4.00m
iii) Clear Head	
27.00m	
	35.00m
say	40.00 m

B.H.P. of Motor

$\frac{600 \times 40}{0.60 \times 75 \times 60}$	= 8.88
Say	10.00 H.P.

Boosting Machinery (flushing)

Daily requirement of water supply for flushing = 143.07 KL

Add requirement for irrigation+ sweeping of roads = ~~35.00~~ KL

Total = 178.07 KL

Assuming 8 hours running 1 pump (with one stand by) discharge/hour. = $\frac{178.07}{8}$ 14 = ~~22.26~~ KL/HR
21.63

Discharge per minute = $\frac{360.56}{21.63}$ 371.00 ltr/m
say = 400 ltr/m

Head of Pump

i) Suction Lift 4.0m

ii) Friction Loss in main & specials 4.0m

iii) Clear Head 30.00m

38.00m

say 40.00 m

B.H.P. of Motor $\frac{400 \times 40}{60 \times 75 \times 0.6}$ = 5.92

Say = ~~6.00~~ 7.50 H.P.

RATING OF GEN SET (BOOSTING)

Pump 2 no (10.00+~~6.00~~) 7.50 = ~~16.00~~ 17.50 H.P.

Lighting etc. = 2.00 H.P.

= ~~18.00~~ 19.50 H.P.

Rating of genset

$$\begin{matrix} 19.50 \\ 18.00 \end{matrix} \times 0.746 \times 1.50$$

$$\begin{matrix} 21.82 \\ 20.14 \end{matrix} \text{KVA}$$

Add 10% extra

$$= 2.18 \text{KVA}$$

Total

$$\begin{matrix} 24.0 \\ 22.35 \end{matrix} \text{KVA}$$

Say

$$\begin{matrix} 25.0 \\ 22.50 \end{matrix} \text{KVA}$$

RATING OF GEN SET (TUBE WELL)

$$\begin{matrix} 9.23 \\ 8.39 \end{matrix} \text{KVA}$$

$$1.65 \times 7.5 \times 0.746 = \begin{matrix} 8.39 \\ 9.23 \end{matrix} \text{KVA}$$

SAY

$$= 10.00 \text{KVA}$$

UNDER STORAGE TANK (WATER SUPPLY)

Daily requirement of domestic use except flushing
including institutional demand

$$= 286.13 \text{ KL}$$

Capacity of under ground tank taking storage

(25+33=58%) say 60 % of daily demand

$$= 171.68 \text{ KL}$$

$$= 0.60 \times 286.13$$

SAY

$$= 200.00 \text{ KL}$$

$$\text{Fire fighting } 100 \sqrt{2.51} \times 1/3 = 100 \times 1.58 \times 1/3$$

$$= 52.67 \text{KL}$$

SAY

$$= 75.00 \text{ KL}$$

Hence it is proposed to provide underground tank of capacity 275 KL which also includes 75 KL capacity for firefighting.

This tank will have two compartments, one for fire and the other for domestic use. The water first enters the fire compartment then over flows to the domestic use compartment so that the water in the fire compartment shall remain fresh.

UNDERGROUND STORAGE TANK (FLUSHING AND SWEEPING OF ROADS)

Daily requirement for domestic use including demand for irrigation & sweeping of roads

$$= 178.87 \text{ KL}$$

$$= 143.07 + 35.00$$

Capacity of under ground tank taking storage

$$= 103.84$$
$$= 107.32 \text{ KL}$$

(25+33=58%) say 60 % of daily demand = 178.87×0.6

$$= 110.00$$
$$= 150.00 \text{ KL}$$

SAY

OVER HEAD SERVICE RESERVOIR

There is no necessity of O.H.S.R.s for drinking water supply and flushing water supply as the capacity of U.G.S.T.'S has been increased by 25% each which is required capacity of O.H.S.R.'S

$$\text{CAPACITY OF S.T.P.} = 0.85 \times 429.20 = 343.36$$

SAY *Add 5% for marginal factor*

$$= 321.90 \text{ KLD}$$
$$= 350.00 \text{ KLD}$$
$$360.53 \text{ KLD}$$

Say 360 KLD

For Vijaylaxmi Infrabuild Private Limited



Authorised Signatory

[[Pick the date]]

10.6125ACRES RESIDENTIAL PLOTTED COLONY

SECTOR -12A, JHAJJAR

FINAL ABSTRACT OF COST

		Amount (Rs. In Lacs)
Sub Work No. I	Water Supply	204.52 196.00 138.13
Sub Work No. II	Sewerage	141.40 77.50
Sub Work No. III	Storm Water Drainage	71.40 242.68
Sub Work No. IV	Road and Footpath	232.40
Sub Work No. V	Street Lighting	40.70
Sub Work No. VI	Horticulture Work	6.20 9.27
Sub Work No. VII	Maintenance Charges for 10 years i/c resurfacing of roads after 1 st 5 years and 2 nd 5 years	290.80 298.94 1011.74 lacs
	Total	978.90 say Rs 1012.00 lacs
Cost per Acre = $\frac{1012.00 \text{ lacs}}{10.6125} = \text{Rs } 95.35 \text{ lacs}$		

For Vijaylaxmi Infra and Private Limited

Checked subject to Comments.
In forwarding letter No. 11488/
Dt. 02.10.2024 and notes
Attached with the estimate

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



Executive Engineer
HSVP Divn. Bahadurgarh

Superintending Engineer,
HSVP, Circle-I, Gurugram.

Prick the date!





हरियाणा शहरी विकास प्राधिकरण

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Panchkula

CE-I No. 114831

Dated: 02/05/2024

Annexure-A

SUB:- Approval of Service Plan Estimate for Affordable Residential Plotted Colony under DDJAY-2016 on land measuring 10.6125 acres (licence no. 217 of 2023 dated 25.07.2023) falling in the Revenue Estate of Village Jhajjar, Sector-12A, Jhajjar, Haryana, being developed by M/s Vijay Laxmi Infrabuild Pvt. Ltd.

Technical note and comments:-

1. All detailed working drawings would have to be prepared by the colonizer for Integrating the internal services proposals with the master proposals of town.
2. The correctness of the levels will be the sole, responsibility of the colonizer for the integration of internal proposals, with the master proposals, of town and will be got confirmed before execution.
3. The material to be used shall the same specifications as are being adopted by HSVP and further shall also confirm to such directions, as issued by Chief Engineer, HSVP from time to time.
4. The work shall be carried out according to Haryana PWD specification or such specifications as are being followed by HSVP. Further it shall also confirm to such other directions, as are issued by Chief Engineer, HSVP from time to time.
5. The colonizer will be fully responsible to meet the demand of water supply and allied services till such time these are made available by State Government/ HSVP. All link connections with the State Government/ HSVP system and services will be done by the colonizer. If necessary extra tube-wells shall also be installed to meet extra demand of water beyond the provision according to EDC deposited.
6. Structural design & drawings of all the structures, such as pump chamber, boosting chamber, RCC OHSR, underground tanks, quarters, manholes chamber, sections of RCC pipes sewer and SW pipes, sewer, ventilating shafts for sewerage and Masonry Ventilation Chamber for Chamber for storm water drainage, temporary disposal/ arrangement etc. will be as per relevant I.S codes and PWD specifications, colonizer himself will be responsible for structural stability of all structures.
7. Potability of water will be checked and confirmed and the tube-wells will be put into operation after getting chemical analysis of water tested.
8. Only C.I/D.I pipes will be used in water supply and flushing system, UPVC/HDPE pipe for irrigation purposes.



हरियाणा शहरी विकास प्राधिकरण

HARYANA SHEHARI
VIKAS PRADHIKARAN

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Panchkula

9. A minimum 100 i/d C.I/D.I, 200mm i/d SW and 400mm id RCC NP-3 pipes will be used for water supply, sewerage and storm water drainage respectively.
10. Standard X-section for S.W. pipes sewer, RCC pipes sewer etc. will be followed as are being adopted in Haryana Public Health Engineering Deptt. or HSVP. If needed, the same may be sought by the colonizer from concerned Executive Engineer of HSVP.
11. The X-section, width of roads, will be followed as approved by the Chief Town Planner, Haryana, Chandigarh. The kerbs and channels will also be provided as per approved X-section and specifications. If needed, the same may be sought by the colonizer from concerned Executive Engineer of HSVP.
12. The specifications for various roads will be followed as per IRC/MORTH specifications.
13. The wiring system of street lighting and specifications of street lighting fixture will be as per relevant standards.
14. This shall confirm to such other conditions as are incorporated in the approved estimate and the letter of approval.


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

FINAL ABSTRACT OF COST (WATER SUPPLY)

Amount (Rs. In Lacs)

Sub Head No. 1 Head Works

~~82.70~~
90.82

Sub Head No. 2 Pumping Machinery

40.00

Sub Head No. 3 Distribution System
(Drinking)

40.88

Sub Head No. 4 Distribution System
(Flushing and irrigation)

33.62
~~32.50~~

Rs 204.52 lacs

Total ~~196.00~~

C.O. to final abstract of cost

For Vijaylaxmi Infra-build Private Limited



Authorized Signatory

[[Pick the date]]

Sub Work-I

Sub Head No. I

Water Supply

Head Works (Rs. In Lacs)

1.	Boring and installing 200 i/d tubewells with reserve/ direct rotary rig complete with pipe strainer to a depth of about 150 m complete along with machinery.	
	1 Nos. @ 15.00 Lacs each	15.00
2.	Constructing pump chambers as per standar design of PWD PH/HSVP of size 4.90x4.25 m	4.00
	1 Nos. @ 4.00 Lacs each	
3.	Construction of boundary wall around the Tubewell site	
	Water Works 1 No. @ Rs 3.00 lac	3.00
	Tube wells 1 Nos. @ Rs 1.00	1.00
4.	Provision of footpath hedges and lawns at tubewell 1 Nos.	
	(L.S.)	1.50
5.	Construction of boosting chambers of suitable size along with under ground tank of capacity 275 KL pumping machinery and generating set etc. complete in all respects.	
	Details of boosting station	
	i) Construction of boosting chamber	5.00
	ii) U.G. tank 275 KL capacity incl 75 KL	
	For fire fighting in two compartments	23.37
	And 150 KL for flushing @ RS 5500/KL	21.18
	= 5500/100000X425 38540	
6.	Provision of staff quarters for maintenance of the scheme =NO. 350 SQ.FT. @7.60(L.S)	7.50
		6.00

7. Prov. for carriage of material (L.S.)

1.00

P.E. & contingency charges @ 3%

~~53.87~~
~~59.18~~
~~1.62~~
~~1.77~~

Department escalation unforeseen and
administrative charges @ 49%

~~55.49~~
~~60.95~~

~~27.19~~ 29.87

Total
Say

~~82.68~~ 90.82 / 95
~~82.70~~

For Vijay



Sub Work I

Sub Head No. II

Water Supply

Pumping Machinery

Amount (Rs.)

(in Lacs)

1. Providing and installing electricity driven electro or submersible pumping sets capable of delivering about 20 KL water per hour against a total head of 60 M complete with motor and other accessories (7.5 B.H.P.)
1 Nos. @ Rs 2.00 lac each 2.00
2. Provision for diesel engine genset stand by arrangement for tubewells (10 KVA) (L.S.) ~~2.00~~ 1.50
3. Provision for cheap pressure type chlorination plant complete
1 Nos. @ Rs 1,00,000/- 1.00
4. Provision for making foundations and erection of pumping machinery (L.S.) 2.00
5. Provision for pipes, valves, and specials inside the pump chamber 1.50
6. Provision for electric services connection including electric fittings for tubewells chambers complete Including transformer . L.S. 2.50
7. Providing and installing centrifugal boosting pumping sets, capable of delivering water at 40 M head complete in all respects (2X10+2X6=32B.H.P.) domestic & flushing 4 set @ rs 2.50 Lac each (L.S.) 10.00
8. Providing Gen set (22.50) KVA capacity for boosting of water supply ~~5.00~~ 3.38

[[Pick the date]]

9. Provision for carriage for materials and other unforeseen items L.S.

2.00

Total

~~28.00~~ **25.88**

P.E. & contingency charges @ 3%

~~0.84~~ **0.78**

Department escalation unforeseen and administrative charges @ 49%

~~25.84~~
~~26.66~~
~~13.06~~
~~14.13~~

Total

~~39.97~~
39.72

say

40.00

For Vint

Handwritten signature

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10.6125ACRES RESIDENTIAL PLOTTED COLONY

SECTOR -12A, JHAJJAR

SUB WORK NO. 1

WATER SUPPLY

SUB HEAD NO. III

DISTRIBUTION SYSTEM/RISING MAIN

	Amount (Rs. In Lacs)
1. Providing, laying, jointing and testing C.I/D.I. K9 Pipes including cost of excavation complete as per specifications.	
100 mm dia i/d 460 mtrs @ Rs. 1460/- mtr	6.72
150 mm dia i/d 570 mtrs @ Rs. 2040/- mtr	11.63
2. Providing and fixing sluice valve including cost brick masonry chambers complete in all respect.	
100 mm dia i/d 2Nos. @ Rs. 15000 /- each	0.24 0.30
150 mm dia i/d 4 Nos. @ Rs. 15000 /- each	0.60
3. Providing and fixing air valves and scour valves or scour taps including cost of brick masonry chamber	
8 Nos. @ Rs. 19,000 /- each	0.80 1.20
4. Providing and fixing fire hydrants complete with masonry chambers	
4 Nos. @ Rs. 15,000/- each	0.60
5. Providing and fixing indicating plates for sluice valve, air valve etc.	
18 Nos. @ Rs. 2000 /- each	0.36 0.18
6. Provision for rising main from tube wells to U.G.S.T.	
100 mm dia i/d 20 mtrs @ Rs. 1460/- mtr	0.29
7. Provision for rising main from main HSVP water line to U.G. tank	
100 mm dia i/d 60 mtrs @ Rs. 1460/- mtr	0.88

[Pick the date]

- | | |
|---|------|
| 8. Providing for carriage of material L.S. | 2.00 |
| 9. Provision for cutting the roads and making good to its original conditions | 2.00 |

Add P.E. & Contingency charges @ 3%

~~26.60~~

~~0.80~~

0.78

26.90

~~27.40~~

13.18

Department escalation unforeseen and administrative charges @ 49%

~~13.42~~

40.08 1/2

Total

~~40.82~~

Say:

~~40.80~~

For Vijaylaxmi Infrabuild Private Limited


Authorised Signatory

[[Pick the date]]

Sub Work No. 1

Sub Head No. IV

Water Supply
Flushing and Irrigation

Amount (Rs. in Lacs)

- | | | |
|----|---|-------------------------|
| 1 | Providing, laying, jointing and testing DI pipe K-9 pipes including cost of excavation etc. complete in all respect. | |
| | a) 80mm dia C.I./D.I. 500 m @ Rs. 1250/- M | 6.25 |
| | b) 100mm dia C.I./D.I. 620 m @ Rs. 1460/- M | 9.05 |
| | <u>1120m</u> | 16.35 lacs |
| 2 | Providing and fixing sluice valves including cost of derrick masonry chambers complete in all respect. | |
| | a) 80mm dia 2 nos. @ Rs. 12000/- each | 0.24 |
| | b) 100mm dia 4 nos. @ Rs. 15000/- each | 0.60 |
| | | 0.72 lacs |
| 3. | Providing and fixing air valves and scour valves or scour taps including cost of brick masonry chamber
6 Nos. @ Rs. 10000/- each | 0.60 |
| 4. | Providing and fixing Garden Hydrants (L.S.) | 1.00 |
| 5. | Providing and fixing indicating plates for sluice Valves, air valves etc.
12 nos. @ Rs. 1000/- each | 0.12
0.24 |
| 6. | Provision for carriage of material and other unforeseen items. | 2.00 |
| 7. | Provision for cutting of roads and carriage of materials etc. and other unforeseen charges (L.S.) | 1.00 |

Total

Add P.E. & Contingency charges @ 3%

Department escalation unforeseen and
administrative charges @ 49%

Say

21.91
~~21.16~~
0.63

~~21.79~~
22.56

= 10.68
~~11.06~~

~~32.47~~
33.62

~~32.50~~

For Vijaylaxmi Infrabuild Private Limited



Authorised Signatory

[[Pick the date]]

10.6125ACRES RESIDENTIAL PLOTTED COLONY

SECTOR -12A, JHAJJAR

SUB HEAD II

SEWERAGE SCHEME

1.	Providing, lowering, cutting, salt glazed stoneware pipes and specials (Rs. in lacs) into trenches including cost of excavation, bed concrete, cost of manholes complete in all respect.	
i)	200 mm i/d	
	Av. Depth upto 1.5 M – 730 M @ Rs. 1500/- per M	10.95 12.41
ii)	200 mm i/d	
	Av. Depth upto 1.5-3 M – 300 M @ Rs. 1750/- per M	5.25 6.00
2.	Provision for providing oblique junctions (L.S.)	3.00
3.	Provision for providing and fixing vent shafts at suitable places as per PH requirement (L.S.)	2.00
4.	Provision of temporary disposal arrangement till HSVP sewer laid including cost of STP capacity 0.36 MLD . 360 MLD @ ₹ 16000 /a	65.00 57.60 lacs
5.	Provision of temporary timbering etc.	2.00
6.	Provision for cutting of roads and carriage of materials etc. and other unforeseen charges (L.S.)	5.00 5.00
7.	Provision for ^{sewer} connection with HSVP main (L.S.)	2.00
	Total	92.20 90.01
	P.E. & Contingency charges @ 3%	2.70 2.70
		94.97 92.71
	Department escalation unforeseen and administrator charges @ 49%	46.43 45.42
8.	Provision for temporary disposal as	Total 141.40 138.13
	Say:	141.40

[Pick the date]

10.6125ACRES RESIDENTIAL PLOTTED COLONY

SECTOR -12A, JHAJJAR

SUB HEAD – III

STORM WATER DRAINAGE

	Rs. in lacs
1. Providing, laying RCC pipes drain class NP – 3 with cement joint, manholes, excavation etc. complete in all respect 400 mm i/d	
a. Av. Depth upto 1.5m – 880 M @ Rs. 2500/- per M	22.00
b. Av. Depth upto 1.5-3m –200 M @ Rs. 2750/- per M	5.50
2. Provision for road gullies with 300 mm dia pipe connection L.S.	3.00
3. Provision for lighting, watching and temporary diversion of traffic	2.00
4. Provision for cutting of roads and carriage of materials etc. and other unforeseen items L.S.	3.00
5. Provision for ^{storm water} temporary disposal arrangement/ at selected place.	10.00
6. Provision for connection with HSVP on master line	2.00
7. Provision for timbering haring and shoring	1.00
Total	46.50 50.50 lacs

BF \$ 50.50 las

P.E. & contingency charges @ 3%

~~1.39~~

Total ~~47.89~~

52.02 las

Department escalation unforeseen and administrative charges @ 49%

~~23.47~~

25.48 las

Total ~~71.36~~

say ~~71.40~~

77.50 las

For Vijaylaxmi Infrabuild Private Limited



Authorized Signatory

[Pick the date]

10.6125ACRES RESIDENTIAL PLOTTED COLONY

SECTOR -12A, JHAJJAR

Sub Work No. IV

Road Work

Item No.	Description of Item	Unit	Qty.	Rate (Rs)	Amount (Rs. In Laes)
1	Site Clearance				
1.1	Clearing and grubbing road land including uprooting rank, vegetation, grass, bushes, shrubs, saplings and trees girth upto 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable materials to be used or auctioned, upto a lead of 1000mm including removal and disposal of top soil not exceeding 150 mm thickness by manual means in areas of light jungle as per drawings and Clause 201 of Morth Specifications.	Hectare	1.13	50000	0.56
2	Earth Works				
2.1	Provision for leveling + earth filling as per site condition approximate	Acre	10.61	150000 1.75/lac	15.91 18.57 lac
3	Provision for				
i.	200mm GSB				
ii.	250mm thick stone aggregate				
iii.	50mm thick D.B.M.				
iv.	30mm thick BC				
	Total	Sqm	6880	1500	103.20
4	Miscellaneous Items				
4.1	Construction of cement concrete Kerb and Channels as per specifications	Meter	2500	600	15.00
4.2	Providing and fixing guide maps at selected locations (L.S.)				2.00
4.3	Provision for plot indicators (L.S.)				2.00

Pick the date

4.4	Provision for demarcating burgies (L.S.)				2.00
4.5	Provision for traffic arrangement				2.00 2.00
4.6	Provision for carriage of material (L.S.)				5.00 5.00
4.7	Construction of pavement in commercial area = 0.256 acres = 0.256/2 = 516.10 sq.m. say 520 sq.m.	Sqm	520	1500	7.80
					151.47 158.13
	Add 3% contingency & P.E. charges				4.54 4.74
	Total				156.01 162.87
	Department escalation unforeseen and administrative charges @ 49%				76.49 79.81
	Total				232.45 242.68
	Say				232.40

For Vijaylaxmi Infrastructure Private Ltd


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[[Pick the date]]

SUB WORK – V

10.6125ACRES RESIDENTIAL PLOTTED COLONY
SECTOR -12A, JHAJJAR

Street Lighting

Amount (Rs. In Laacs)

Providing street lighting on
internal Roads as per standard
specification in 8.72 acre area
@ Rs. 2,50,000/- per acre
10.6125 x 2,50,000/-

= 26.53

Add 3% contingencies & P.E.
charges

= 0.80

Rs 27.33 lacs

Add Department escalation
unforeseen and administrative
charges @ 49%

Rs = 13.39 lacs

Total

= 40.72

Say

Rs = 40.70 lacs

C/O to final abstract of cost

For Vijaylaxmi Infrabuild Private Limited


Authorised Signatory

[[Pick the date]]

10.6125ACRES RESIDENTIAL PLOTTED COLONY

SECTOR -12A, JHAJJAR

SUB WORK - VI

COST ESTIMATE

HORTICULTURE

AMOUNT (RS. IN LACS)

1 Development of Lawn area

- a) Trenching the ordinary soil up to depth of 60 cm. Including removal and packing of serviceable material and disposing at a lead of 50 m/ and making up the trenched area to proper level by filling with earth mixed with manure including cost of imported earth and manure.
- b) Rough dressing of trenched area.
- c) Grassing with "doob grass" including watering and maintenance of lawns free from weeds and fit for moving rows 7.50 cm in either direction including for hedges and grill and barbed wire fencing around park and green belts (as per HSVP Norms) Area 0.796 Acres @ Rs. 1,50,000/- per acre

+19

Rs 1.19 lacs

2 Planting or trees with tree guards on Roads at 40' intervals

9 m wide Road & 12 m wide Road = 1250.00 M

Total length = 1250.00 M

No. of trees @ 12 m c/c = $1250 \times 2 / 12 = 208.33$ Nos.

SAY = 210 Nos.

Cost of the tree

Excavation Rs. 60/-

Manure Rs. ¹⁰⁰90/-

Tree plants Rs. 150/-

Tree guards Rs. ~~1000/-~~ ²³¹⁰

Total = ~~1300~~ ²³¹⁰ x 210

TOTAL

4.85 lacs
2.73
Rs 6.04 lacs
3.92

|| Pick the date ||

Add 3 % contingencies and P.E charges

Add 49% departmental charges, price escalation , unforeseen and

Adm charges

TOTAL

SAY

Bf & 6.04/12

0.18

4.04
6.22/12

4.16

3.05/12

2.04

9.27/12

6.20

C.O. to final abstract of cost

For Vijaylaxmi Infrabuild Private Limited



Authorised Signatory

[[Pick the date]]

10.6125ACRES RESIDENTIAL PLOTTED COLONY

SECTOR -12A, JHAJJAR

SUB – WORK NO VII

MAINTENANCE CHARGES AND RESURFACING OF ROADS

2nd phase after 5 yrs of 1st phase

AMOUNT (RS. IN LACS)

1. Provision for maintenance charges for water supply, sewerage, storm water drainage, roads, streetlights, horticulture etc. complete including operation and establishment charges as per HSVP norma after completion and resurfacing of roads after 10 years.

10.6125 acres @ Rs. ~~7.50~~^{8.00} lacs = ~~79.59~~^{84.90}
per acre

2. Provision for resurfacing of roads after 1st 5 years of maintenance i.e. 100mm thick B.M. and 25mm premix carpet with mechanical paver

(6880+520)7400 sqm @ Rs ~~825/-~~^{660/-} = ~~61.05~~^{48.84}

Per Sqm

3. Resurfacing of road after 10 years of maintenance by providing 25 mm thick premix carpet with seal coat with mechanical paver

(6880+520)7400 sqm @ Rs ~~660/-~~^{825/-} = ~~48.84~~^{61.05}
Per Sqm

TOTAL

= 189.48
^{194.79 lacs}

Add 3% PE and contingency charges

= 5.68
^{5.84 lacs}

= 195.16
^{200.63 lacs}

Add 49% Departmental charges, price escalation unforeseen and administrative charges.

= 95.63
^{98.31 lacs}

^{298.94 lacs}

Total

= 290.79

Say

= 290.80 ^{298.94 lacs}

For Vijaylaxmi Infrabuild Private Limited



Authorized Signatory

[[Pick the date]]

HYDRAULIC DESIGN STATEMENT OF WATER SUPPLY (WATER LOAD)

Providing Water Supply Scheme 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A, JHAJJAR

Sr. No.	Name of Pipe Line	No of plots		Population @13.5 persons per plot	Water requirement @ 105 l/head /day in KLD	Water requirement for non residential plots				Gross requirement in KLPD	Gross water requirement in gallons per day (Total)
		As per plan				Plots area in acres	Type of building	Basis of water requirement	Total water requirement		
1	2	3	4	5	6	7	8	9	10	11	
1	RA	-	-	-	-	-	-	-	-	-	-
2	AB	3	40.5	4.25					4.25	930	
3	BB1	48	648	68.04					68.04	14970	
4	BC	-	-	-	1.062	COMMUNITY	25KL/ACRE	2/3X26.55 =17.70	17.70	3890	
5	CD	24	324	34.02					34.02	7480	
6	DD1	20	270	28.35					28.35	6240	
7	DE	5	67.5	7.08					7.08	1560	
8	EE1	26	351	36.85					36.85	8110	
9	EF	6	81	8.50					8.50	1870	
10	FF1	26	351	36.85					36.85	8110	

For Verified:  Authorised Signatory

HYDRAULIC DESIGN STATEMENT OF WATER SUPPLY (WATER LOAD)

Providing Water Supply Scheme 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A, JHAJJAR

Sr. No.	Name of Pipe Line	No of plots	Population @13.5 persons per plot	Water requirement @ 105 l/head /day in KLD	Water requirement for non residential plots				Gross requirement in KLPD	Gross water requirement in gallons per day (Total)
					Plots area in acres	Type of building	Basis of water requirement	Total water requirement		
1	2	3	4	5	6	7	8	9	10	11
11	FG	3	40.5	4.25					4.25	930
12	AH	8	108	11.34	0.128	COMMERCIAL	32KL/ACRE	2/3X8 = 2.73	14.07	3100
13	HH1	17	229.5	24.10					24.10	5300
14	HH2				0.128	COMMERCIAL	32KL/ACRE	2.73	2.73	600

For Vijaylaxmi Infrabuild Private Limited

Authorised Signatory

DESIGN STATEMENT

Providing Water Supply Scheme 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A, JHAJJAR

S. No	Name of line	Water load in gallons per day			3 times water load in gallons per day	Designed water load in gallons per day	Size in mm	Length in m	Head loss per 1000m	Head loss in pipe line in m	Hydraulic levels in mtr		R.L. at L/E in mtr	Terminal head at L/E in m
		Self	Branch	Total							U/E	L/E		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	RA	-	63090	63090	189270	283000	150	20.00	8.27	0.18	251.40	251.22	215.12	36.10
2	AB	930	53160	54090	162270	250000	150	75.00	6.60	0.50	251.22	250.72	215.12	35.60
3	BB1	14970		14970	44910	67000	150	205.00	0.57	0.14	250.72	250.58	215.30	35.28
4	BC	3890	34300	38190	114570	167000	150	40.00	3.10	0.12	250.72	250.60	215.20	35.40
5	CD	7480	26820	34300	102900	167000	150	130.00	3.10	0.40	250.60	250.20	215.30	34.90
6	DD1	6240		6240	18720	30000	100	75.00	0.94	0.07	250.20	250.13	215.35	34.78
7	DE	1560	19020	20580	91740	92000	150	44.00	1.03	0.04	250.20	250.16	215.35	34.81
8	EE1	8110		811	24330	36000	100	97.00	1.32	0.13	250.16	250.03	215.40	34.63
9	EF	1870	9040	10910	32730	58000	150	43.00	0.44	0.02	250.16	250.14	215.40	34.74
10	FF1	8110		8110	24330	36000	100	97.00	1.32	0.03	250.14	250.11	215.45	34.66

For Vijaylaxmi Infrabuild Private Limited

Authorised Signatory

DESIGN STATEMENT

Providing Water Supply Scheme 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A, JHAJJAR

S. No	Name of line	Water load in gallons per day			3 times water load in gallons per day	Designed water load in gallons per day	Size in mm	Length in m	Head loss per 1000m	Head loss in pipe line in m	Hydraulic levels in mtr		R.L. at L/E in mtr	Terminal head at L/E in m
		Self	Branch	Total							U/E	L/E		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
11	FG	930		930	2790	24000	100	25.00	0.62	0.02	250.14	250.12	215.40	34.72
12	AH	3100	5900	9000	27000	42000	100	60.00	1.74	0.10	251.22	251.12	215.14	35.98
13	HH1	5300		5300	15900	30000	100	65.00	0.94	0.06	251.12	251.06	215.20	35.86
14	HH2	600		600	1800	24000	100	30.00	0.62	0.01	251.12	251.11	215.15	35.96

For Vijaylaxmi Infrabuild Private Limited


Authorised Signatory

SCHEDULE OF QUANTITIES

Providing Water Supply Scheme 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A, JHAJJAR

Sr. No.	Name of Pipe Line	Pipe (length in M size in mm)							S.V. Qty. in Nos. Size in mm					
		100	150	200	250	300	100	150	200	250	300			
1	2	3	4	5	6	7	8	9	10	11	12			
1	RA		20.00											
2	AB		75.00											
3	BB1		205.00											
4	BC		40.00											
5	CD		130.00											
6	DD1	75.00												
7	DE		44.00											
8	EE1	97.00												
9	EF		43.00											
10	FF1	97.00												

For Vijaylaxmi Infrabuild Private Limited


 Authorised Signatory

SCHEDULE OF QUANTITIES

Providing Water Supply Scheme 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A, JHAJJAR

Sr. No.	Name of Pipe Line	Pipe (length in M size in mm)						S.V. Qty. in Nos. Size in mm					
		100	150	200	250	300		100	150	200	250	300	
1	2	3	4	5	6	7		8	9	10	11	12	
11	FG	25											
12	AH	60.00											
13	HH1	65											
14	HH2	30.00											
	TOTAL	449.00	557.00										
	SAY	460.00	570.00										

For Vijaylaxmi Infrabuild Private Limited


Authorised Signatory

STATEMENT OF FLUSHING CUM IRRIGATION AND OVERFLOW PIPE LINE

FLUSHING CUM IRRIGATION PIPE LINE 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A, JHAJJAR

Sr. No.	Name of Pipe Line	Pipe (length in M size in mm)						S.V. Qty. in Nos. Size in mm			
		30	100	150	200	80	100	150	200		
1	2	3	4	5	6	7	8	9	10		
1	R'A'		20.00								
2	A'B'		28.00								
3	B'B1'		214.00								
4	B'C'		40.00								
5	C'D'		142.00								
6	D'D1'	74.00									
7	D'E'		45.00								
8	E'E1'	106.00									
9	E'F'		43.00								
10	F'F1'	106.00									

For Vijaylaxmi Infrabuild Private Limited

Authorised Signatory

STATEMENT OF FLUSHING CUM IRRIGATION AND OVERFLOW PIPE LINE

FLUSHING CUM IRRIGATION PIPE LINE 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A, JHAJJAR

Sr. No.	Name of Pipe Line	Pipe (length in M size in mm)						S.V. Qty. in Nos. Size in mm			
		80	100	150	200	80	100	150	200		
1	2	3	4	5	6	7	8	9	10		
11	F'G'		20.00								
12	A'H'		23.00								
13	H'H1'	87.00									
14	H1'H2'	70.00									
15	H1'H3'	40.00									
16	H'-HSVP SEWER		40.00								
	TOTAL	483.00	615.00								
	SAY	500.00	620.00								

For Vijaylaxmi Infrabuild Private Limited


Authorised Signatory

STATEMENT FOR CALCULATION OF SEWAGE LOAD

PROVIDING SEWERAGE SCHEME 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A, JHAJJAR

S.No.	Name of Line	Water Requirement of plots			Demand of non residential areas			Total requirement in KLPD	Quantity of Sewage @ 75% of water requirement in cusecs.
		No. of Plots	Population @13.5 persons /plot	Water requirement @155 LPCD in KLPD	Nature of bldg	Basis of water requirement	Gross requirement in KLPD		
1	AB	26	351	54.40	COMMUNITY	25KL/ACRE	26.55	80.95	0.025
2	B1B	3	40.5	6.28				6.28	0.002
3	BC	6	81	12.55				12.55	0.004
4	C1C	26	351	54.40				54.40	0.017
5	CD	5	97.5	10.46				10.46	0.003
6	D1D	19	25650	39.76				39.76	0.012
7	DE	25	337.5	52.31				52.31	0.016
8	EF								
9	F1F	48	648	100.44				100.44	0.031
10	FG								

STATEMENT FOR CALCULATION OF SEWAGE LOAD

PROVIDING SEWERAGE SCHEME 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A, JHAJJAR

S.No.	Name of Line	Water Requirement of plots			Demand of non residential areas			Total requirement in KLPD	Quantity of Sewage @ 75% of water requirement in cusecs.
		No. of Plots	Population @13.5 persons /plot	Water requirement @155 LPCD in KLPD	Nature of bdg	Basis of water requirement	Gross requirement in KLPD		
11	G1G3	17	229.5	35.57				35.57	0.011
12	G2G3				COMMERCIAL	32KL/ACRE	8.19	8.19	0.002
13	G3G4	11	148.5	23.02				23.02	0.007
14	G4G	-	-	-	-	-	-	-	-
15	G-STP	-	-	-	-	-	-	-	-

For Vijaylaxmi Infrabuild Private Limited


Authorised Signatory

DESIGN STATEMENT

PROVIDING SEWERAGE SCHEME 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A, JHAJJAR

S. No.	Name of Line	Sewage Load in cusecs			3 times sewage load in cusecs	Designed discharge in cusecs	Size in mm	Length in m	Slope 1 in	Velocity in m/sec	Fall in m	Formation level in m		Invert level in m		Depth in m		Avg depth in m
		Self	Branch	Total								U/E	L/E	U/E	L/E	U/E	L/E	
1	AB	0.025		0.025	0.075	0.47	200	97.00	200	0.77	0.48	215.45	215.40	214.45	213.97	1.00	1.43	1.21
2	BIB	0.002		0.002	0.006	0.47	200	23.00	200	0.77	0.11	215.42	215.40	214.42	214.31	1.00	1.09	1.04
3	BC	0.004	0.027	0.031	0.093	0.47	200	43.00	200	0.77	0.21	215.40	215.35	213.97	213.76	1.43	1.59	1.51
4	CIC	0.017		0.017	0.051	0.47	200	97.00	200	0.77	0.48	215.40	215.35	214.40	213.92	1.00	1.43	1.21
5	CD	0.003	0.048	0.051	0.153	0.47	200	43.00	200	0.77	0.21	215.35	215.30	213.76	213.55	1.59	1.75	1.67
6	DID	0.012		0.012	0.036	0.47	200	72.00	200	0.77	0.36	215.35	215.30	214.35	213.99	1.00	1.31	1.15
7	DE	0.016	0.063	0.079	0.237	0.47	200	132.00	200	0.77	0.66	215.30	215.20	213.55	212.89	1.75	2.31	2.03
8	EF		0.079	0.079	0.237	0.47	200	40.00	200	0.77	0.2	215.20	215.15	212.89	212.69	2.31	2.46	2.38
9	FIF	0.031		0.031	0.093	0.47	200	204.00	200	0.77	1.02	215.30	215.15	214.30	213.28	1.00	1.87	1.43
10	FG		0.110	0.110	0.310	0.46	200	23.00	200	0.77	0.11	215.15	215.11	212.69	212.58	2.46	2.53	2.49

For Vijaylaxmi Infrabuild Private Limited

Authorised Signatory

DESIGN STATEMENT

PROVIDING SEWERAGE SCHEME 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A, JHAJJAR

S. No.	Name of Line	Sewage Load in cusecs			3 times sewage load in cusecs	Designed discharge in cusecs	Size in mm	Length in m	Slope 1 in	Velocity in m/sec	Fall in m	Formation level in m		Invert level in m		Depth in m		Avg depth in m
		Self	Branch	Total								U/E	L/E	U/E	L/E	U/E	L/E	
11	G1G3	0.011		0.011	0.033	0.47	200	68.00	200	0.77	0.34	215.20	215.15	214.20	213.86	1.00	1.29	1.14
12	G2G3	0.002	0.011	0.013	0.039	0.47	200	37.00	200	0.77	0.18	215.20	215.15	214.20	214.02	1.00	1.13	1.06
13	G3G4	0.007	0.013	0.020	0.060	0.47	200	88.00	200	0.77	0.44	215.15	215.10	213.86	213.42	1.29	1.68	1.48
14	G4G		0.020	0.020	0.060	0.47	200	22.00	200	0.77	0.11	215.10	215.11	213.42	213.31	1.68	1.80	1.74
15	G-STP		0.130	0.130	0.390	0.47	200	26.00	200	0.77	0.13	215.11	215.40	212.58	212.45	2.53	2.95	2.74

For Vijaylaxmi Infrabuild Private Limited

Authorised Signatory

Schedule of Quantities of S.W. Pipes

PROVIDING SEWERAGE SCHEME 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A.

JHAJJAR

S.No.	Name of Line	Dia of pipe in mm and Length in meters						
		200mm	250mm	300mm	350mm	400mm	450mm	500mm
1	AB	97.00						
2	B1B	23.00						
3	BC	43.00						
4	C1C	97.00						
5	CD	43.00						
6	D1D	72.00						
7	DE	132.00						
8	EF	40.00						
9	F1F	204.00						
10	FG	23.00						

For Vijaylaxmi Infrabuild Private Limited


Authorized Signatory

Schedule of Quantities of S.W. Pipes

**PROVIDING SEWERAGE SCHEME 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A,
JHAJJAR**

S.No.	Name of Line	Dia of pipe in mm and Length in meters							
		200mm	250mm	300mm	350mm	400mm	450mm	500mm	
11	G1G3	68.00							
12	G2G3	37.00							
13	G3G4	88.00							
14	G4G	22.00							
15	G-STP	26.00							
	Total	1015.00							
	Say	1030.00							

For Vijaylaxmi Infra Build Private Limited


Authorised Signatory

DESIGN STATEMENT

PROVIDING STORM WATER DRAINAGE SCHEME 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A, JHAJJAR

S. No.	Name of Line	Area in Acres			Discharge in cusecs@ $\frac{1}{4}$ " rainfall intensity	Designed discharge in cusecs	Size in mm	Length in mtr	Slope 1 in	Velocity in m/sec	Fall in mtr	Ground Levels in mtr		Invert level in mtr		Depth in mtr		Avg depth in mtr
		Self	Branch	Total								U/E	L/E	U/E	L/E	U/E	L/E	
1	AB	1.21		1.21	0.3	3.72	400	97.00	500	0.81	0.19	215.45	215.40	214.25	214.06	1.20	1.34	1.27
2	BIB	0.17		0.17	0.04	3.72	400	26.00	500	0.81	0.05	215.42	215.40	214.22	214.17	1.20	1.23	1.21
3	BC	0.29	1.38	1.67	0.42	3.72	400	43.00	500	0.81	0.09	215.40	215.35	214.06	213.97	1.34	1.38	1.36
4	CIC	1.21		1.21	0.3	3.72	400	97.00	500	0.81	0.19	215.40	215.35	214.20	214.01	1.20	1.34	1.27
5	CD	0.29	2.88	3.17	0.79	3.72	400	43.00	500	0.81	0.09	215.35	215.30	213.97	213.88	1.38	1.42	1.40
6	DID	0.51		0.51	0.13	3.72	400	80.00	500	0.81	0.16	215.35	215.30	214.15	213.99	1.20	1.31	1.25
7	DE	1.33	3.68	5.01	1.25	3.72	400	125.00	500	0.81	0.25	215.30	215.20	213.86	213.63	1.42	1.57	1.50
8	EF	0.89	5.01	5.90	1.47	3.72	400	40.00	500	0.81	0.08	215.20	215.16	213.63	213.55	1.57	1.61	1.59
9	FIF	2.19		2.19	0.55	3.72	400	205.00	500	0.81	0.41	215.30	215.16	214.10	213.69	1.20	1.47	1.33
10	FG	0.46	8.09	8.55	2.14	3.72	400	45.00	500	0.81	0.09	215.16	215.10	213.55	213.46	1.61	1.64	1.62

For Vijaylaxmi Infrabuild Private Limited


Authorised Signatory

DESIGN STATEMENT

PROVIDING STORM WATER DRAINAGE SCHEME 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A, JHAJJAR

S. No.	Name of Line	Area in Acres			Discharge in cusecs @ 1/4" rainfall intensity	Designed discharge in cusecs	Size in mm	Length in mtr	Slope 1 in	Velocity in m/sec	Fall in mtr	Ground Levels in mtr			Invert level in mtr			Depth in mtr		Avg depth in mtr
		Self	Branch	Total								U/E	L/E	U/E	U/E	L/E	U/E	U/E	L/E	
11	G1G3	0.69		0.69	0.17	3.72	400	65.00	500	0.81	0.13	215.20	215.12	214.00	213.87	1.20	1.25			1.22
12	G2G3	0.09		0.09	0.02	3.72	400	30.00	500	0.81	0.06	215.15	215.12	213.95	213.89	1.20	1.23			1.21
13	G3G	1.27	0.78	2.05	0.51	3.72	400	82.00	500	0.81	0.16	215.12	215.10	213.87	213.71	1.25	1.39			1.32
14	G-HSVP STORM	0.03	10.60	10.63	2.66	3.72	400	85.00	500	0.81	0.17	215.10	215.40	213.46	213.29	1.64	2.11			1.87

For Vijaylaxmi Infrabuild Private Limited

Authorised Signatory

Schedule of Quantities of R.C.C. Pipes							
PROVIDING STORM WATER DRAINAGE SCHEME 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN							
SECTOR 12A, JHAJJAR							
S.No.	Name of Line	Dia of pipe in mm and Length in meters					
		400mm	500mm	550mm	600mm	800mm	900mm
1	AB	97.00					
2	B1B	26.00					
3	BC	43.00					
4	C1C	97.00					
5	CD	43.00					
6	D1D	80.00					
7	DE.	125.00					
8	EF	40.00					
9	F1F	205.00					
10	FG	45.00					

For Vijaylaxmi Infrabuild Private Limited



Authorised Signatory

Schedule of Quantities of R.C.C. Pipes

**PROVIDING STORM WATER DRAINAGE SCHEME 10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN
SECTOR 12A, JHAJJAR**

S.No.	Name of Line	Dia of pipe in mm and Length in meters				
		400mm	500mm	550mm	600mm	800mm
11	G1G3	65.00				900mm
12	G2G3	30.00				
13	G3G	82.00				
14	G-HSVP STORM	85.00				
	TOTAL	1063.00				
	SAY	1080.00				

For Vijaylaxmi InfraBuild Private Limited



Authorised Signatory

DESIGN DATA OF ROADS

10.6125 ACRES RESIDENTIAL PLOTTED COLONY IN SECTOR 12A, JHAJJAR

9.0 M & 12.0 M WIDE ROAD

S.NO	Name of Road	Length in M	
1	R1	86.00	
2	R2	103.00	
3	R3	97.00	
4	R4	97.00	
5	R5	205.00	
6	R6	31.00	
7	R7	205.00	
8	R8	156.00	
9	R9	37.00	
10	R10	35.00	
11	R11	80.00	
	Total length of 9.0/12.0 M wide roads	1132.00	
	Add 10 % at curves	113.00	
	TOTAL	1245.00	
	SAY	1250.00	
	Paved Area of Roads =1250M X5.5 M	6875.00	SQ.M
	SAY	6880.00	SQ.M
	Total length of Roads	1250.00	m
	Length of kerbs=1250X2	2500.00	m

For Vijaylaxmi Infra Build Private Limited

Authorised Signatory

Directorate of Town & Country Planning, Haryana

Major T. J. Lal Bahadur, Plot No 3, Sector-18A, Machhiya Marg, Chandigarh. Phone: 0172 2549330
Web site: tcepharyana.gov.in e-mail: tcepharyana@gmail.com

FORM LC-V
(See Rule 12)

License No. 217 of 2023

This license has been granted under the Haryana Development and Regulation of Urban Areas Act 1975 & Rules 1976 to Vijaylaxmi Infrabuild Pvt. Ltd., Plot No. 28, Sector-4, IMT Manesar, Gurugram for setting up of Affordable Residential Plotted Colony under DDJAY policy 2016 over an area measuring 10.6125 acres in the revenue estate of village Jhajjar, Sector 12A, Jhajjar.

1. The particulars of the land, wherein the aforesaid Affordable Residential Plotted Colony is to be set up, are given in the Schedule annexed hereto and duly signed by the Director General, Town & Country Planning, Haryana.
2. The Licence is granted subject to the following conditions:-
 - a. That the Affordable Residential Plotted Colony will be laid out in confirmation to the approved layout plan and development works will be executed in accordance to the designs and specifications shown in the approved plans.
 - b. That the conditions of the agreements already executed are duly fulfilled and the provisions of Haryana Development and Regulation of Urban Areas Act, 1975 and Rules 1976 are duly complied with.
 - c. That area coming under the sector roads and restricted belt/green belt, if any, which forms part of licensed area and in lieu of which benefit to the extent permissible as per policy towards FAR is being granted, shall be transferred to the Govt. within 30 days of approval of zoning plan.
 - d. That you shall maintain and upkeep of all roads, open spaces, public park and public health services for a period of five years from the date of issue of the completion certificate unless earlier relieved of this responsibility and thereupon to transfer all such roads, open spaces, public parks and public health services to the Govt. or the local authority, as the case may be, in accordance with the provisions of Section 3(3)(a)(iii) of the Haryana Development and Regulation of Urban Areas Act, 1975.
 - e. That you shall construct portion of service road, internal circulation roads, forming the part of site area at your own cost and shall transfer the land falling within alignment of same to the Govt. u/s 3(3) (a) (iii) of the Haryana Development and Regulation of Urban Areas Act, 1975 within a period of 30 days from approval of zoning plan.
 - f. That you shall integrate the services with Haryana Shehri Vikas Pradhikaran services as and when made available.
 - g. That you have not submitted any other application for grant of license for development of the said land or part thereof for any purpose under the provisions of the Haryana Development and Regulation of Urban Areas Act, 1975 or any application seeking permission for change of land use under the provision of the Punjab Scheduled Roads and Controlled Area Restriction of Unregulated Development Act, 1963.
 - h. That you will transfer 10% area of the licensed colony to the Government for provision of community facilities as per policy dated 08.07.2016 as amended from time to time. This will give flexibility to the Director to work out the requirement of community infrastructure at sector level and

[Signature]
Director General
Town & Country Planning
Chandigarh

Accordingly make provisions. The same shall be transferred to the Government within 30 days of issuance of zoning plan. Alternatively, the said community site may also be developed as per policy dated 25.08.2022.

That you have understood that the development/construction cost of 24 m/18 m major internal roads is not included in the EDC rates and they shall pay the proportionate cost for acquisition of land, if any, alongwith the construction cost of 24 m/18 m wide major internal roads as and when finalized and demanded by the Department.

j. That you shall obtain NOC/Clearance as per provisions of notification dated 14.09.2006 issued by Ministry of Environment & Forest, Govt. of India, if applicable before execution of development works at site.

k. That you shall make your own arrangements for water supply, sewerage, drainage etc. to the satisfaction of DGTCP till these services are made available and the same is made functional from External Infrastructure to be laid by Haryana Shehar Vikas Pradhikaran or any other execution agency.

l. That you shall obtain clearance from competent authority, if required under Punjab Land Preservation Act, 1900 and any other clearance required under any other law.

m. That the rain water harvesting system shall be provided as per Central Ground Water Authority Norms/Haryana Govt. notification as applicable.

n. That you shall use only LED fitting for internal lighting as well as campus lighting.

o. That you shall convey the 'Ultimate Power Load Requirement' of the project to the concerned power utility, with a copy to the Director, within two months period from the date of grant of license to enable provision of site in licensed land for Transformers/Switching Stations/Electric Sub Stations as per the norms prescribed by the power utility in the zoning plan of the project.

p. That it will be made clear at the time of booking of plots/commercial space that specified rates include or do not include EDC. In case of not inclusion of EDC in the booking rates, then it may be specified that same are to be charged separately as per rate fixed by the Govt. You shall also provide detail of calculation of EDC per Sqm/per sft. to the Allottees while raising such demand from the plot owners.

q. That you shall keep pace of development atleast in accordance with sale agreement executed with the buyers of the plots as and when scheme is launched.

r. That you shall arrange power connection from UHBVNL/DHBVNL for electrification of the colony and shall install the electricity distribution infrastructure as per the peak load requirement of the colony for which licensee shall get the electrical (distribution) service plan/estimates approved from the agency responsible for installation of external electric services i.e. UHBVNL/DHBVNL and complete the same before obtaining completion certificate for the colony.

s. That you shall complete the project within seven years (5+2 years) from date of grant of license as per clause 1(ii) of the policy notified on 01.04.2016.

That no clubbing of residential plots for approval of integrated zoning plan of two adjoining plots under same ownership shall be permitted.

- That you will pay the labour cess as per policy instructions issued by Haryana Government vide Memo No. Misc. 2057 5/25/2008/2TCP dated 25.02.2010 as amended from time to time.
- That you shall submit compliance of Rule 24, 26, 27 & 28 of Rules 1976 & Section 5 of Haryana Development and Regulation of Urban Areas Act, 1975, and shall inform account number and full particulars of the scheduled bank wherein you have to deposit the amount received from the plot holders for meeting the cost of Internal Development Works in the colony.
- That no further sale has taken place after submitting application for grant of license.
- That you shall not give any advertisement for sale of plots/commercial area before the approval of layout plan.
- That you shall follow the provisions of the Real Estate (Regulations and Development) Act, 2016 and Rules framed thereunder shall be followed by the applicant in letter and spirit.
- That no provision of the Haryana Ceiling on Land Holding Act, 1972 has been violated due to purchase of applied land.
- That the owner/developer shall integrate the bank account in which 70 percent allottee receipts are credited under Section-4(2)(I)(D) of the Real Estate Regulation and Development Act, 2016 with the online application/payment gateway of the Department. In such manner, so as to ensure that 10% of the total receipt from each payment made by an allottee is automatically deducted and gets credited to the EDC head in the State treasury.
- That such 10% of the total receipt from each payment made by the allottee, which is received by the Department shall get automatically credited, on the date of receipt in the Government treasury against EDC dues.
- That such 10% deduction shall continue to operate till the total EDC dues get recovered from the owner/developer.
- The implementation of such mechanism shall, however, have no bearing on EDC installment schedule conveyed to the owner/developer. The owner/developer shall continue to supplement such automatic EDC deductions with payments from its own funds to ensure that by the EDC installments that are due for payment that paid as per the prescribed schedule.
- That you shall abide by the terms and conditions of policy dated 08.02.2016 (DDJAY) and other direction given by the Director time to time to execute the project.
- That you shall execute the development works as per Environmental Clearance and comply with the provisions of Environment Protection Act, 1986, Air (Prevention and Control of Pollution) Act, 1981 and Water (Prevention and Control of Pollution) Act, 1974. In case of any violation of the provisions of said statutes, you shall be liable for penal action by Haryana State Pollution Control Board or any other Authority Administering the said Acts.
- That you shall abide by all the provisions of Act no. 8 of 1975 and Rules framed thereunder as amended time to time.
- That the provision of Real Estate (Regulations and Development) Act, 2016 and rules framed thereunder shall be followed letter and spirit.

ii. That you shall obey all the directions/restrictions imposed by the Department from time to time in public interest.

jj. That you shall maintain the OGT and underground S.P and the green above the same through proper horticulture in this residential colony.

kk. That you shall not encroach the revenue rasta passing through the site, if any and shall not object for free movement.

3. The licence is valid up to 24-10-2028

Dated: 25-10-2023

Place: Chandigarh

Encl. No. LC-4936-JE (MK)-2023/ 36023

(T. L. Satyaprakash, IAS)
Director General,
Town & Country Planning
Haryana, Chandigarh

Dated: 25-10-2023

A copy along with copy of schedule of land is forwarded to the following for information and necessary action:-

1. ✓ Vijaylaxmi Infrabuild Pvt. Ltd., Plot No. 28, Sector-4, IMT Manesar, Gurugram along with a copy of agreement, LC IV B & Bilateral Agreement.
2. Chairman, Pollution Control Board, Haryana, Sector-6, Panchkula.
3. Chief Administrator, HSVP, Panchkula.
4. Chief Administrator, Housing Board, Panchkula along with copy of agreement.
5. Managing Director, HVPH, Planning Directorate, Shakti Bhawan, Sector-6, Panchkula.
6. Joint Director, Environment Haryana Cum-Secretary, SEAC, Paryavaran Bhawan, Sector -2, Panchkula.
7. Addl. Director Urban Estates, Haryana, Panchkula.
8. Administrator, HSVP, Rohtak.
9. Chief Engineer, HSVP, Panchkula.
10. Superintending Engineer, HSVP, Rohtak along with a copy of agreement.
11. Land Acquisition Officer, Rohtak.
12. Senior Town Planner, Rohtak along with layout plan.
13. District Town Planner, Jhajjar.
14. Chief Accounts Officer O/o DGTC, Haryana, Chandigarh along with a copy of agreement.
15. Nodal Officer (Website) to update the status on the website.

(Divya Dogra)
District Town Planner (HQ)
For Director General, Town & Country Planning
Haryana-Chandigarh

To be read with Licence No. 217 of 2023

Detail of land owned by Vijaylaxmi Infrabuild Pvt. Ltd.

Village	Rect. No.	Killa No.	Area (K-M)
Jhajjar	118	7/3	4.8
		8/1	3.4
		14/1	1.12
		18/3	4.0
		3	8.14
		8/2	4.16
		12/2	2.4
		13	8.0
		19/1	4.0
		19/2/1	1.12
		26	0.11
	119	15/2	2.0
	118	2/2	5.12
	91	22/2	5.1
	118	9	8.0
		10	8.0
		12/1	5.16
		11	7.8
		Total	84.18

Or 10.6125 Acres

Note: Killa no. 118//13 min (1-0-0), 12/1 min (1-5-2), 9 min (1-5-2), 8/2 min (1-6-2) total 4K 16M 55 is under mortgage.


Director General
Town & Country Planning
Haryana, Chandigarh
Gurgaon (Pafwala)

Directorate of Town and Country Planning, Haryana,
Nagar Yojna Bhawan, Block-A, Plot No.-3, Sector-18A, Madya Marg, Chandigarh.
Tele-Fax: 0172-2548475, Tel.: 0172-2549851, E-mail: tcpharyana7@gmail.com
Web Site: www.tcpharyana.gov.in

Memo No. ZP-1913/AD(GK)/2024/ 2025 Dated:- 18/01/24

To

M/s Vijaylaxmi Infrabuild Pvt. Ltd.,
Plot No. 28, Sector-4,
IMT Manesar, Gurgaon

Subject: Approval of Demarcation-cum-Zoning plan of Affordable Residential Plotted Colony (under DDJAY-2016) over an area measuring 10.6125 acres (License no. 217 of 2023 dated 25.10.2023) in Sector-12A, District-Jhajjar.

Please refer to the matter cited above.

Please find enclosed copy of approved Demarcation-cum-Zoning Plan of subject cited Affordable Residential Plotted Colony bearing following details:-

Sr. No.	Name of site	Drawing no.
1.	Demarcation-cum-Zoning Plan	Drg. No. DTCP-9940 dated 16.01.2024

The above said Demarcation-cum-Zoning Plan is approved with the following condition:-

1. You shall transfer the land falling under 45 meter wide sector road, 12 meter wide service road and green belt to the department within 30 days of the approval of the zoning plan.

DA/As above

(Ashish Sharma)
District Town Planner (HQ),
For: Director, Town and Country Planning,
Haryana, Chandigarh.

Endst. No. ZP-1913/AD(GK)/2024/ Dated

A copy is forwarded to the following for information and further necessary action.

1. Senior Town Planner, Rohtak along with the copy of approved Demarcation-cum-Zoning Plan.
2. District Town Planner, Jhajjar along with the copy of approved Demarcation-cum-Zoning Plan.

DA/As above

(Ashish Sharma)
District Town Planner (HQ),
For: Director, Town and Country Planning,
Haryana, Chandigarh.