

Directorate of Town & Country Planning, Haryana

Niger Yojana Bhavan, Plot No.3, Sector-18A, Madhya Marg, Chandigarh, Phone: 0172-2549349
Web site: tcepharyana.gov.in - e-mail: tcepharyana7@gmail.com

Regd.

(LC-IX) [[See Rule 16(2)]]

To

Amolik Buildcon LLP & others
In collaboration with Amolik Buildcon LLP,
Regd. Off. 14/3, 2nd floor, Main Mathura Road,
Mewla Maharajpur, Faridabad-121003, Haryana,
Email ID: - info@amolik.com

Memo No. LC-4720-PA (SK)-2025/ 19189

Dated: 22-05-2025

Subject:

Grant of completion certificate in licence no. 142 of 2022 dated 20.09.2022 issued for setting up of Affordable Residential Plotted Colony (under DDJAY-2016) over an area measuring 30.00625 acres situated in the revenue estate of Village Bhupani, Sector-98, Faridabad - Amolik Buildcon LLP & Others.

Refer to your application dated 27.10.2023 & memo dated 25.04.2025 for grant of Completion Certificate in respect of licence no. No. 142 of 2022 dated 20.09.2022 issued for setting up of Affordable Residential Plotted Colony (under DDJAY-2016) over an area measuring 30.00625 acres falling in the revenue estate of Village Bhupani, Sector-98, Faridabad has been examined vis-à-vis site/field reports.

2. Chief Engineer-I, HSVP, Panchkula vide his memo no. CE-I/SE (HQ)/EE(M)/ SDE(F)/ 2023/ 8697 dated 10.01.2024 has informed that the services with respect of above said colony have been got checked and reported to be laid at site, which are operational/functional. Senior Town Planner, Faridabad vide his memo no. 24 dated 01.01.2024 has confirmed about laying of the colony as per approved layout plan. DHBVN vide his memo no. CH-161/OC dated 22.03.2024 has confirmed that the builder has completed the internal infrastructure; fulfill the other requirements in light of sale circular No. D-45/2021 and recommended for completion certificate.

3. In view of these reports it is hereby certified that the required development works/services in the said Affordable Residential Plotted Colony under DDJAY Policy-2016 over an area measuring 30.00625 acres have been completed to my satisfaction. The development works are water supply, sewerage, storm water drainage, roads, horticulture & electrification etc. Accordingly, the completion certificate is hereby granted on the following terms and conditions:-

- i. That the services will be laid by the colonizer upto alignment of proposed external services of the town and connection with the HSVP system will be done with the prior approval of the competent authority. In case pumping is required, the same will be done by the colonizer at its own cost. The services will be provided as per provision in the EDC of Faridabad.
- ii. That the colonizer will be solely responsible for making arrangement of water supply and disposal of sewage and storm water of their colony as per requirement/guidelines of HSPCB/ Environment Department till such time, the external services are provided by HSVP/State Government as per their scheme.
- iii. That the Level/Extent of the services to be provided by HSVP i.e. water supply sewerage, SWD, roads etc. will be proportionate of EDC provisions.
- iv. That you shall maintain a roof top rain water harvesting system properly and shall keep it operational all the time.
- v. That in case some additional structures are required to be constructed and decided by HSVP at a later stage, the same will be binding upon you. Flow control valves will be installed, preferably of automatic type on water supply connection with HSVP water supply line.
- vi. That the NSL formation level of roads have been verified and are correct. You shall be responsible in case of any mistake in levels etc.

- vii. That you shall be fully responsible for operation, upkeep and maintenance of all roads, open spaces, public parks and public health services like water supply, sewerage and drainage etc. for a period of 5 years from the date of issuance of final completion certificate unless earlier relieved of this responsibility and thereupon transfer all such roads, open spaces, public parks and public health services like water supply, sewerage and drainage etc. free of cost to the Government or the Local Authority as directed.
- viii. That you shall neither erect nor allow the erection of any communication and transmission Tower with in colony without prior approval of competent authority.
- ix. That you shall use CFL/LED fittings for street lighting in the licenced colony.
- x. That you shall comply with the conditions of Service Plan/Estimates conditions imposed by CE-HSVP, Panchkula.
- xi. That you shall abide by all prevailing norms/rules and regulations as fixed by HSVP/local authority.
- xii. That you shall get obtain the water / sewer connection from HSVP within one month and you shall make your own arrangements for sewer disposal and water supply till the connection.
- xiii. That you shall arrange the disposal of waste of effluent of sewerage.
- xiv. That you shall supply the treated drinking water.
- xv. That you shall increase the capacity of Sewerage Treatment Plant as per requirement/ increase in occupancy of area.
- xvi. That you shall get CTO & other clearances from the concerned competent authority / department.
- xvii. That you shall abide by any or all instructions issued by the Department from time to time.
- xviii. That you are required to get the Bank Guarantee of 1/5th of the amount revalidated as per provision of Rule 20 of Rules 1976 and required to be got revalidated within a period of 30 days from grant of Completion Certificate or before its expiry.

This completion certificate shall be void-ab-initio, if any of the conditions mentioned above are not complied with and this approval will not provide any immunity from any other Act/ Rules/ Regulations applicable to the land in question.

(Amit Khatri, IAS)
Director, Town & Country Planning
Haryana, Chandigarh

Endst. No. LC-4720- PA (SK)-2025/

Dated:

A copy is forwarded to the following for information and necessary action:-

1. The Chief Administrator, HSVP, Sector-6, Panchkula.
2. The Chief Engineer, HSVP, Sector 6, Panchkula w.r.t. memo no. CE-I/SE (HQ)/ EE (M)/ SDE (F)/ 2023/ 8697 dated 10.01.2024.
3. Superintending Engineer (Planning), HVPNL, Panchkula.
4. Senior Town Planner, Faridabad.
5. District Town Planner, Faridabad.
6. Chief Account Officer of this Directorate.
7. Project Manager (IT) with a request to host this approval on website.

(Savita Jindal)
District Town Planner (HQ)
For: Director, Town & Country Planning
Haryana, Chandigarh

Directorate of Town & Country Planning, Haryana

Nagar Yojana Bhavan, Plot no. 3, Sector-18 A, Madhya Marg, Chandigarh

Web site tcpharyana.gov.in - e-mail: tcpharyana7@gmail.com

ORDER

Whereas, Licence No. 142 of 2022 dated 20.09.2022 granted for setting up of Affordable Residential Plotted Colony under DDJAY-2016 over an area measuring 30.00625 acres falling in the revenue estate of Village Bhanil, Sector-98, Faridabad to Amolik Buildcon LLP & Others under the provisions of the Haryana Development and Regulation of Urban Areas Act, 1975 and Rules framed thereunder. As per terms and conditions of the licence and of the agreement executed on LC-IV, the colonizer is required to comply with the provisions of the Haryana Development and Regulation of Urban Areas, Act, 1975 and its Rules, 1976 thereof.

2. And, whereas, for non-compliance of the provisions of Rule 24, 26(2), 27 & 28 of the Haryana Development and Regulation of Urban Areas Rules, 1976, the licensee has submitted a request to compound the said offence. As per the rates finalized by the Govt. the composition fee has been worked out to be Rs. 4,82,000/-. Colonizer has deposited the composition fee vide GRN no. 132075993 dated 09.05.2025.

3. Accordingly, in exercise of power conferred under Section-13(I) of the Haryana Development and Regulation of Urban Areas Act, 1975, I hereby order to compound the offence of non-compliance of the provisions of Rules 24, 26(2), 27 & 28 of the Haryana Development and Regulation of Urban Areas Rules, 1976 by the colonizer upto 31.03.2024.

(Amit Khatri, IAS)
Director, Town & Country Planning
Haryana, Chandigarh

Endst. no. LC-4720/PA (SK)/2025/ 19197

Dated: 22-05-2025

A copy is forwarded to the following for information and necessary action:-

1. Amolik Buildcon LLP & Others, Regd. Off. 14/3, 2nd floor, Main Mathura Road, Newla Maharaipur, Faridabad-121003, Haryana.
2. Chief Accounts Officer of this Directorate.

(Savita Jindal)
District Town Planner (HQ)
For: Director, Town & Country Planning
Haryana, Chandigarh

Directorate of Town & Country Planning, Haryana

Nagar Yojana Bhavan, Plot no. 3, Sector-18 A, Madhya Marg, Chandigarh
Web site tcpharyana.gov.in - e-mail: tcpharyana7@gmail.com

Regd.

To

✓ Amolik Buildcon LLP & Others,
Regd. Off. 14/3, 2nd floor,
Main Mathura Road, Mewla Maharaipur,
Faridabad-121003, Haryana,
Email ID:- info@amolik.com

Memo No. LC-4720-PA (SK)-2023/ 14293 Dated: 12/05/23

Subject: Approval of Service Plan / Estimate in licence No. 142 of 2022 dated 20.09.2022 granted for setting up of Affordable Residential Plotted Colony (under DDJAY-2016) over an area measuring 30.00625 acres falling in the revenue estate of Village Bhpani, Sector-98, Faridabad - Amolik Buildcon LLP & Others.

Please refer to the CEO, FMDA, Gurugram memo dated 08.12.2022 on the above cited subject matter.

The Service Plan / Estimate in licence No. 142 of 2022 dated 20.09.2022 granted for setting up of Affordable Residential Plotted Colony (under DDJAY-2016) over an area measuring 30.00625 acres falling in the revenue estate of Village Bhpani, Sector-98, Faridabad has been checked and corrected, wherever necessary by the Chief Executive Officer, FMDA and are hereby approved by the DGTCP Haryana subject to the following terms and conditions:-

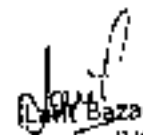
1. You will have to pay the proportionate cost of external development charges for setting up of Affordable Residential Plotted Colony for the services like water supply, sewerage, storm water drainage, roads, bridges, street lighting, horticulture etc. on gross acreage basis as and when determined by HSVP/Director. These charges are modifiable and modified charges will be binding upon you.
2. The maintenance charges for various services like water supply, sewerage, storm water drainage, Horticulture, roads, street lighting and resurfacing of roads etc. have been included in the estimate as per detail given in it and the total cost of maintenance charges are works out to Rs. 679.0 lacs as you are liable to maintain the estate developed by yourself as per norms as determined by the Govt. /Govt. agency.
3. The category wise area shown on the plans and proposed density of population thereof has been treated to be correct for the purpose of services only.
4. All technical notes and comments incorporated in the estimates in two sheets will also apply. A copy of these is also appended as Annexure-A, alongwith recommendation of FMDA dated 04.12.2022 Annexure-B.

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5. The wiring system of street lighting will be under ground and the specifications of the street lighting, fixture etc. will be as per relevant standard of HVVNL.
6. The appropriate provision for fire fighting arrangement as required in the NBC/ISI should also be provided by you and fire safety certificate should also be obtained by you from the Competent Authority before undertaking any construction. You will be responsible for fire safety arrangement.
7. You shall be fully responsible for making arrangement of disposal of sewerage and storm water drainage till such time these are made available by FMDA/HSPV/State Govt. and all link connections with the external system shall be made by you at your own cost. The owner will have to ensure that sewer/storm water drainage to be laid by you will be connected by gravity with the master services to be laid/laid by FMDA / HSPV / State Govt. in this area as per scheme.
8. The correctness of the levels of the colony will be sole responsibility of the owner for integrating the internal sewer/storm water drainage of the colony by gravity with the master services. In case pumping is required the same will be provided by you.
9. Roof top rain harvesting system shall be provided by you as per norms and the same shall be kept operational/maintained all the time. Arrangement for segregation of first rain not to be entered into the system shall also be made by you.
10. The estimates do not include the provision of electrification of the colony. However, it is clear that the supervision charges and O&M charges shall be paid by you directly to the HVVN.
11. You shall be sole responsible for the construction of various structures such as RCC underground tank etc. according to the standard specification good quality and its workmanship. The structural responsibility will entirely rest upon you.
12. In case some additional structures are required to be constructed and decided by HSPV at a later stage, the same will be binding upon you.
13. You will not make the connection with the master services i.e. water supply, sewerage and storm water drainage without getting its approval from the competent authority.
14. This estimate does not include the common services like water supply, storage tank on the top of the building blocks, lifts, ramps, fire fighting arrangements, plumbing etc. and will for part of the building works.
15. In case some additional structures are required to be constructed and decided by the Competent Authority at a later stage, the same will be binding upon you. Flow control valves will be installed preferably automatic type, on water supply connection with external water supply line.

16. You shall get the electrical service plan estimates approved from the concerned authority regarding power utility within a period of 60 days and submit the same to this office for approval.
17. You shall get the permission of competent Authority, before laying services through Panchayat/Government land, if any.
18. 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 of Act, 1981) and Water (Prevention and Control of Pollution of 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.

A copy of the approved service plan/estimates is enclosed herewith. You are requested to supply four additional copies of the approved service plan/estimates to the Chief Executive Officer, FMDA, Gurugram under intimation to this office.
DA/as above.


(Lalit Baxad)
District Town Planner (HQ)
For: Director General, Town & Country Planning
Haryana, Chandigarh

Endst No LC-4720-PA (SK)-2023/

Dated:

A copy is forwarded to the Chief Executive Officer, FMDA, Gurugram with reference to his letter dated 04.12.2022 for information and necessary action.


(Lalit Baxad)
District Town Planner (HQ)
For: Director General, Town & Country Planning
Haryana, Chandigarh

**30.00625 ACRES AFFORDABLE
RESIDENTIAL PLOTTED COLONY IN SECTOR
98 (VILLAGE BHUPANI), FARIDABAD**

(UNDER DEEN DAYAL JAN AWAS YOJNA -2016)

**M/S AMOLIK
BUILDCON LLP.**

14/3, Main Mathura road, Mewla Maharajpur Road,
Faridabad.

License has already been granted to be read with License No.142 of 2022

SERVICE ESTIMATE FOR PROVIDING WATER SUPPLY, SEWERAGE, STORM
WATER DRAINAGE, ROADS, STREET LIGHTING AND HORTICULTURE
IN RESPECT OF 30.00625 ACRES AFFORDABLE RESIDENTIAL PLOTTED
COLONY IN SECTOR 98(Village Bhupani), FARIDABAD

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PROJECT REPORT/ESTIMATE FOR PROVIDING WATER SUPPLY, SEWERAGE, STORM WATER DRAINAGE, ROADS, STREET LIGHTING AND HORTICULTURE IN RESPECT OF 30.00625 ACRES RESIDENTIAL PLOTTED COLONY(DDJAY) IN SECTOR 98, FARIDABAD, HARYANA

REPORT

The Haryana Government has prepared a master plan for development of Residential/Industrial/Commercial urban estate FARIDABAD. M/S AMOLIK BUILDCON LLP. has decided to develop a part of the area in this master plan and has named this part as 30.00625 Acres Affordable Residential plotted colony. This colony is located in sector — 98(Village Bhupani) of Haryana Shehri Vikas Pradhikaran, FARIDABAD. License has already been granted to be read with License No.142 of 2022. The brief details of the colony are as under:

WATER SUPPLY

1 Source

The source of water supply in this area is tube wells at present as the underground water is potable and fit for human consumption. Moreover, water is available at reasonable depth. The average yield of tubewell with 40-45 ft strainers will be about 22500 litre per hour. The recharging of underground water table in this belt is stated to be good. However still we shall resort to rain water harvesting system to keep up the recharging system. The number of tube wells required for the above area has been worked out and the tube wells will be bored in tune with growth of demand to avoid insolvency of the tube wells. The ultimate requirement of tube wells includes provisions of 10% stand by. Ultimately, water shall be supplied to the Project by Faridabad Metropolitan Development Authority, FARIDABAD.

2 Design

The scheme has been designed for approved population of 8073 persons. The rate of water supply per head per day has been taken as 172.5 litres (150 + 15 %) as per FMDA 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 tube well with an electrically driven set ejector type or submersible pump capable of delivering of 22500 litre per hour. It is also proposed to equip required 1



AMOLIK BUILDCON LLP
FARIDABAD

Nos 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 800 KL capacity.

600KL for DWS +200KL for Fire Fighting

- (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 @ 115.00 litre per head per day for drinking water and 60 litre per head per day for flushing @ 3 times the average rate of flow on Hazen William formula. Necessary provision for laying 100 and 150 mm i/d DI K-7 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 envisaged in the plan. Minimum pipe dia for distribution is kept as 100 mm dia.

Rising mains

Rising mains from FMDA 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. 200 & 250 mm i/d SWP 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. 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. Also suitable provisions are contemplated in our scheme to ensure better recharging of underground water table in the area R.C.C. NP-3 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 24M 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) 250mm stone aggregate with brimer coat @ 60kg/100 sq.m & Tack Coat
@ 25kg/100 sq.m

(iii) 50 mm thick DBM

(iv) 25 mm Thick B.C

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 FMDA 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 FMDA & 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 PH. and B & R services works out to **Rs 2,029.90 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 **67.70 lac** which covers the provision of services like water supply, sewerage, storm water drainage, roads, street lighting, and plantation including maintenance thereof.

30.00625 ACRES RESIDENTIAL PLOTTED COLONY
(DDJAY) SECTOR -98 (Village Bhupani), FARIDABAD

DESIGN CALCULATIONS

Daily Requirement

1. Total No. of Plots = 598 ✓
 Population per plot (@13.5) = 8,073 persons ✓
 Therefore population = 13.5×598
 Water requirement for plots @ 172.5 litres/head/day = 13,92,592.5litres ✓
 172.5×8073 or 1,392.59 KL

2. Add Requirement for Institutions etc.
 - a. No of commercials = 1 No ✓
 Daily water requirement @ 32000 litre/Acre ✓
 Area of commercial = 1.20 Acres ✓
 Therefore daily water requirement = 1.20×32000 = 38,400litres ✓
 = 38.4 KL ✓

 - b. No of Community area = 1 no. ✓ = 3.001 acres ✓
 Daily water requirement
 @28750litre/acre = 86,278.75liters ✓
 = 3.001×28750 = 86.28 KL ✓

 - c. Misc. = 5,000 litres = 5.00 KL ✓

 - Total = 129.68KL ✓

3. Area under Parks = 2.26 acres ✓
 Therefore daily water requirement
 25000 litre/Acre = 56,500Litres ✓
 2.26×25000 = 56.50 KL ✓



Ar. SAHIL PRUTHI
 CA/2018/...

4. Area under roads out of 30.00625

= 6.15 acres ✓

Therefore, daily water requirement

= 6.15 x 5000

= 30750.0 litres ✓

For sweeping of roads

= 30.75 KL ✓

Total daily requirement

a. For domestic use (1+2)

= 1392.59 + 129.68

= 1522.27 KL ✓

b. Under parks & roads (3+4)

= 56.50 + 30.75 ✓

= 87.25 KL ✓


Ar. SAHIL PRUTHI
CA/2018/96260



30.00625 ACRES RESIDENTIAL PLOTTED COLONY
(DDJAY) SECTOR -98 (Village Bhupani), FARIDABAD

TUBEWELL.

Assuming working hours of tube well		=16 ✓
Assuming discharge/hour of each tube well		=22500 lit/hour ✓
Total Water demand		=1522.27KL ✓
No. of tube wells Required for	= $\frac{1522.27}{22.50 \times 16}$	=4.22NO ✓
Total demand		
Add 10% stand by		=0.42 ✓
Total		=4.5 ✓
Say		5 nos. ✓

So, it is proposed to provide 5 Nos of tube wells at present has been made in the estimate. More tube wells will be installed when required. Moreover, the water supply is to be provided by FMDA to the colony ultimately and demand of flushing water supply is to be met from effluent of S.T.P.

Pumping machinery for tube wells

Gross working load		= 90.00 m ✓
Average fall in is S.L.		= 5.00 m ✓
Depression head		= 5.00 m ✓
Friction Loss		= 5.00m ✓
Total		= 105.00m ✓
B.H.P. = $\frac{22500 \times 105}{60 \times 60 \times 75 \times 0.6}$		=14.58 ✓
Say		=15.00H.P. ✓
Daily requirement for domestic use		=1522.27KL ✓

Flushing Demands

Assuming demand of water supply for flushing as 35 % of total demand,

Daily requirement for

= 532.80KL ✓

flushing use 0.35×1522.27

There fore Daily requirement

= 989.47 KL ✓

for supply for drinking

purposes $1522.27 - 532.80$

Boosting Machinery

(portable/drinking water)

Assuming 8 hours running 1

pumps (with one stand by)

$\frac{989.47}{8}$ ✓

= 123.68 KL ✓

8 ✓

Discharge/hour

= 2061.331 liter/m ✓

Say 2100 liter/m ✓

Head of Pump

i) Suction Lift

4m ✓

ii) Friction Loss in main & specials

4m ✓

iii) Clear Head

32m ✓

38m ✓

say

40m ✓

B.H.P. of Motor

$\frac{2100 \times 40}{60 \times 75 \times 0.6}$

= 31.11 ✓

60x75x0.6

Say 35.00 H.P. ✓

Boosting Machinery (flushing)

Daily requirement of water

= 532.80KL ✓

supply for flushing

Add requirement for

Irrigation

= 87.25KL ✓

	Total	= 620.05KL ✓
Assuming 8 hours running	$1 = 620.05$	= 77.50KL/HR ✓
Pump (with one stand by)	8	
discharge/hour.		
		= 1291ltr/m ✓
Discharge per minute		= 1300 ltr/m ✓
say		
Head of Pump		
i) Suction Lift	4m ✓	
ii) Friction Loss in main & specials	4m ✓	
iii) Clear Head	32m ✓	
	38m ✓	
Say	40 m ✓	
B.H.P. of Motor	$\frac{1300.00 \times 40}{60 \times 75 \times 0.6}$	= 19.25 ✓
	Say	20.00 HP. ✓

RATING OF GEN SET (BOOSTING)

Hoasting-(35.00+20.00)

Pump 2 no

= 55.00 H.P. ✓

Tubewell =

= 75.00 H.P. ✓

= 130.00 H.P. ✓

Rating of genset

$130.00 \times 1.746 \times 1.50$

= 145.47KVA ✓

Add 10% extra

= 14.54KVA ✓

Lightening

= 7.00KVA ✓

Total

= 167.01 KVA ✓

Say

= 170.00 KVA ✓

UNDER STORAGE TANK (drinking water supply)

Daily requirement of domestic use

=989.47KL ✓

including institutional demand

Capacity of under ground tank taking storage

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

=593.70KL

 $=0.60 \times 1522.27$ *for one day Requirement*

SAY

989.47KL

say 990 KLD

=600.00KL

Fire fighting 100 $\sqrt{8073/1000}$

=500KL ✓

Take 1/3 for Storage =

=200 ✓

SAY

=200.00KL ✓

Total = ⁹⁹⁰600 + 200 = 800 = 1190 KLD

Hence it is proposed to provide underground tank of capacity ¹¹⁹⁰800 KL which also includes 200 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)

Daily requirement for

=532.80KL

domestic use including

demand for irrigation &

sweeping of roads

Under Parks and Roads

one day Requirement

532.80 KLD say 535 KLD

Capacity of under ground

=319.68KL

tank-taking storage -

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

daily demand = 532.8 x 0.6

SAY

535
= 320.00 KL**OVER HEAD SERVICE RESERVOIR**

There is no necessity of O.H.S.R. 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

CAPACITY OF S.T.P

CAPACITY OF S.T.P. = $0.80 \times 1522.27 = 1217.816 \text{ KLD}$

Add 5% Marginal Factor = 1278.70 KLD

SAY

= 1280 KLD


Ar. SAHIL PRUTHI
CA/2018/96260



30.00625 ACRES RESIDENTIAL PLOTTED COLONY
(DDJAY) SECTOR -98 (Village Bhupani), FARIDABAD

FINAL ABSTRACT OF COST

		Amount (Rs. In Lacs)
SUB WORK NO. I	Water Supply	430.40 <i>533.27</i>
SUB WORK NO. II	Sewerage	399.60 <i>630.70</i>
SUB WORK NO. III	Storm Water Drainage	208.50 <i>384.60</i>
SUB WORK NO. IV	Road and Footpath	182.80 <i>489.60</i>
SUB WORK NO. V	Street Lighting	115.20 <i>—</i>
SUB WORK NO. VI	Horticulture Work	14.40 <i>23.15</i>
SUB WORK NO. VII	Maintenance Charges	679.00 <i>—</i>
TOTAL		2,029.90 <i>2855.52</i>

Development cost per acre (30.00625) is coming out to be $\frac{2,029.90}{30.00625} = 67.64$ *95.16* / Acre

lakhs

9516 / Acre.
Say = 67.70 lakhs

Ar. SAHIL PRUTHI
CA/2018/96260

Executive Engineer-EDC (Infra-I) GMDA
 for roads/lighting/Hort.

Checked for service estimate only

Checked subject to comments
 in forwarding letter No. 1/2022
 Dt. 04.12.2022 and
 attached with the estimate



AUTHORISED SIGNATORY

Executive Engineer-V
 Sew. Division No. II
 GMDA, Gurugram

Executive Engineer-I
 W/S Division, GMDA
 Gurugram

Executive Engineer-III
 Drainage Division, GMDA,
 Gurugram

Chief Engineer,
 (Infra-II), GMDA
 Gurugram

Director General
 Town & Country Planning
 Harvana Chandnigarh

ABSTRACT OF COST (WATER SUPPLY)

Amount (Rs. In Laacs)

Sub Head No. 1 Head Works	221.00	275.32
Sub Head No. 2 Pumping Machinery	52.20	75.20
Sub Head No. 3 Distribution System (Drinking)	100.20	125.75
Sub Head No. 4 Distribution System (Flushing and irrigation)	57.00	✓

TOTAL

430.40 533.27


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Sub Work-I

Sub Head No.1

Water Supply

Head Works (Rs. In Laacs)

Name of Project: Service Plan Estimate of Residential Plotted colony (DDJAY) measuring 30.00625 acres in Sector 98, Faridabad developed by M/S AMOLIK BUILDCON LLP.

1. Boring and installing 300 i/d tubewells with reserve/direct rotary rig complete with pipe strainer to a depth of about 150 m complete along with machinery.
5 Nos. @ 15Lacs each ✓ 75.00 ✓
2. Constructing pump chambers as per standard design of PWD PH/FMDA
@ 2.00 Lacs each ✓ 10.00 ✓
3. Construction of boundary wall around the Tube-well site Water Works. 4.00 ✓
4. Provision of footpath hedges and lawns at tube-well.(L.S.) 2.00 ✓
5. Construction of boosting chambers of suitable size along with under ground tank of capacity 800 KL pumping machinery and generating set etc. complete in all respects.
- Details of boosting station
 - i) Construction of boosting chamber ✓ 3.00
 - ii) U.G. tank 800 KL capacity incl. 200 KL
For firefighting in two compartments
@4500 Per KL
6000 ✓ 71.40
36.00
6. Provision for staff quarters for maintenance of the Scheme = 2 NO.350 SQ.FT. @ 10.00 LAC (L.S.) 10.00 ✓
7. Construction of Concrete Paving & TubeWell & UGT & Pump (L.S) 3.00 ✓
8. Prov. for carriage of material (L.S.) 1.00 ✓

Total

179.40
144.00

P.E & contingency charges @3%

4.32 5.38

148.32 184.78

Department Charges escalation unforeseen and

Administrative charges @ 49%

72.678 90.54

Total

220.996 275.32

Say

221.00 275.32



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Sub Work-I

Sub Head No.II

Water Supply
Pumping Machinery

Name of Project: Service Plan Estimate of Residential Plotted colony (DDJAY) measuring 30.00625 acres in Sector 98, Faridabad developed by M/S AMOLIK BUILDCON LLP.

Amount (Rs.)
In Lacs)

- | | |
|--|--------------------------|
| 1. Providing and installing electricity driven electro or Sub miscible pumping sets capable of delivering about 22.50 KL water per hour against a total head of 105 M complete with motor and other accessories (15 B.H.P.)
1 Nos. @ Rs 2.00 lac each ✓ | 10.00 ✓ |
| 2. Provision for diesel engine genset stand by arrangement (170 KVA) (L.S.) | 4.00
10.00 |
| 3. Provision for cheap pressure type chlorination plant complete
1 Nos. @ Rs 1,50,000/- ✓ | 1.50 ✓ |
| 4. Provision for making foundations and erection of pumping machinery (L.S.) | 1.00 ✓ |
| 5. Provision for pipes, valves, and specials inside the pump Chamber | 1.50 ✓ |
| 6. Provision for electric services connection including Electric fittings for tube wells chambers complete including transformers L.S. | 2.00 ✓ |
| 7. Providing and installing centrifugal boosting pumping sets, capable of delivering water at 40 M head complete in all respects (2X35+2X20=1100H.P.) domestic & flushing | 5.00 ✓ |
| 8. Provision for carriage for materials and other unforeseen items L.S. | 1.00 ✓ |

9. Providing Gen Set 170KVA Capacity
 170KVA @ 10000 Per KVA

17.00
 8.00

Total

34.00 49.00

PE. & contingency charges @ 3%

1.02 1.47
 35.02 50.47

Department escalation unforeseen and administrative
 charges @49%

17.159 24.73

Total

52.179 75.20

Say

52.20
 75.20



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30.00625 ACRES RESIDENTIAL PLOTTED COLONY
(DDJAY) SECTOR -98 (Village Bhupani), FARIDABAD

SUB WORK-I
 SUB HEAD NO. III

WATER SUPPLY
 DISTRIBUTION SYSTEM/RISING MAIN

Name of Project: Service Plan Estimate of Residential Plotted colony (DDJAY) measuring
 30.00625 acres in Sector 98, Faridabad developed by M/S AMOLIK BUILDCON LLP.

Schedule of Quantities of Water Supply				
S.No	Name of Line	Dia of pipe in mm and Length in meters		
		150mm	100mm	200mm
1	R-A	-	-	11.00
2	A-B	-	-	27.60
3	B-B1	36.50	-	-
4	B1-B2	-	64.60	-
5	B-C	-	-	77.50
6	C-D	-	-	158.60
7	D-D1	119.70	-	-
8	D-E	32.20	-	-
9	E-F	39.50	-	-
10	F-F1	-	101.00	-
11	F-G	-	150.90	-
12	E-H	268.10	-	-
13	H-H1	-	22.90	-
14	H1-H2	-	29.70	-
15	H1-H3	-	70.60	-
16	H-I	39.50	-	-
17	I-I1	-	121.40	-
18	I-J	39.50	-	-
19	J-J1	258.90	-	-
20	J-K	38.30	-	-
21	K-K1	-	18.10	-
22	K-L	185.30	-	-
23	L-L1	-	75.20	-
24	L-M	-	38.30	-
25	M-M1	-	17.80	-
26	M-N	-	10.00	-
27	N-N1	-	75.30	-
28	N-O	-	47.60	-
29	O-P	-	27.90	-
30	P-P1	86.50	-	-
31	P-P2	-	47.40	-
32	A-Q	-	-	67.20
33	Q-S	130.90	-	-
34	S-T	183.00	-	-
		1,457.90	918.70	341.9
	TOTAL	1,458.00	919.00	342.00
	SAY	2,719.00		

30.00625 ACRES RESIDENTIAL PLOTTED COLONY

(DDJAY) SECTOR -98 (Village Bhupani), FARIDABAD

SUB WORK-I
SUB HEAD NO. III

WATER SUPPLY
DISTRIBUTION SYSTEM/RISING MAIN

Name of Project: Service Plan Estimate of Residential Plotted colony (DDJAY) measuring 30.00625 acres in Sector 98, Faridabad developed by M/S AMOLIK BUILDCON LLP.

Schedule of Quantities of Water Supply				
S.No	Name of Line	Dia of pipe in mm and Length in meters		
		150mm	100mm	200mm
1	R-A	-	-	11.00
2	A-B	-	-	27.60
3	B-B1	36.50	-	-
4	B1-B2	-	64.60	-
5	B-C	-	-	77.50
6	C-D	-	-	158.60
7	D-D1	119.70	-	-
8	D-E	32.20	-	-
9	E-F	39.50	-	-
10	F-F1	-	101.00	-
11	F-G	-	150.90	-
12	E-H	268.10	-	-
13	H-H1	-	22.90	-
14	H1-H2	-	29.70	-
15	H1-H3	-	70.60	-
16	H-I	39.50	-	-
17	I-II	-	121.40	-
18	I-J	39.50	-	-
19	J-J1	258.90	-	-
20	J-K	38.30	-	-
21	K-K1	-	18.10	-
22	K-L	185.30	-	-
23	L-L1	-	75.20	-
24	L-M	-	38.30	-
25	M-M1	-	17.80	-
26	M-N	-	10.00	-
27	N-N1	-	75.30	-
28	N-O	-	47.60	-
29	O-P	-	27.90	-
30	P-P1	86.50	-	-
31	P-P2	-	47.40	-
32	A-Q	-	-	67.20
33	Q-S	130.90	-	-
34	S-T	183.00	-	-
		1,457.90	918.70	341.9
	TOTAL	1,458.00	919.00	342.00
	SAY	2,719.00		

1. Providing, laying, jointing and testing D.I. K7 Pipes including cost of excavation complete as per specifications.	Amount (Rs. In Lacs)
100mm dia i/d 919 mtrs @ Rs. 1250/- <i>1475</i>	11.48 <i>13.56</i>
150mm dia i/d 1458 mtrs @ Rs. 1575/- <i>1875</i>	22.96 <i>27.34</i>
200mm dia i/d 342 mtrs @ Rs. 1950/- <i>2475</i>	6.67 <i>8.46</i>
Add cost for D.I. Specials (10%) of Cost pipe	<i>4.11</i> <i>4.94</i>
2. Providing and fixing of DI/CI sluice valve including cost brick masonry chambers complete in all respect.	
100mm dia i/d 8Nos. @ Rs. 12000/- <i>25000</i> each	0.96 <i>2.00</i>
150 mm dia i/d 4Nos. @ Rs. 15000/- <i>35000</i> each	0.60 <i>1.40</i>
200 mm dia i/d 2Nos. @ Rs. 20000/- <i>45000</i> each	0.40 <i>0.90</i>
3. Providing and fixing air valves and scour valves or scour taps including cost of brick masonry chamber	
18 Nos. @ Rs. 10,000/- each	1.80 ✓
4. Providing and fixing fire hydrants complete with masonry chambers	
8Nos. @ Rs. 15,000/- each	1.20 ✓
5. Providing and fixing indicating plates for sluice valve, air valve etc.	
28 Nos. @ Rs. 1,000/- each	0.28 ✓
6. Provision for rising main from tube wells to U.G.S.T.	
150mm dia DI-K7 pipes i/d 350 mtrs @ Rs. 1575/- mtr <i>1875</i>	<i>6.56</i> 5.51
7. Provision for rising main from main FMDA water line to U.G. tank	
150 mm dia DI-K7 pipes i/d 400 mtrs @ Rs. 1575/- mtr <i>1875</i>	<i>7.50</i> 6.30
8. Provision for connection from Main FMDA line (L.S.) <i>& conn. fee</i>	<i>4.00</i> 4.00
9. Providing for carriage of material L.S.	1.00 ✓
10. Provision for cutting the roads and making good to its original conditions.	1.00 ✓
	<i>81.94</i> 65.27

Add RE. & Contingency charges @3%

2.45
~~1.96~~
~~67.22~~ 84.39

Department charges escalation unforeseen and
administrator charges @49%

~~32.94~~ 41.35

Total

125.75
~~100.16~~

Say

100.20
125.75



Ar. SAHIL PRUTHI
CA/2018/96260



Sub Work No. 1
Sub Head No. IV

Water Supply
Flushing and Irrigation

Name of Project: Service Plan Estimate of Residential Plotted colony (DDJAY) measuring 30.00625 acres in Sector 98, Faridabad developed by M/S AMOLIK BUILDCON LLP.

Schedule of Quantities of Irrigation and Flushing			
S.No	Name of Line	Dia of pipe in mm and Length in meters	
		100mm	80mm
1	R'-A'	33.20	-
2	A'-B'	257.10	-
3	B'-B1'	28.40	-
4	B1'-B2'	24.20	-
5	B1'-B3'	65.20	-
6	B'-C'	39.50	-
7	C'-C1'	115.90	-
8	C'-D'	39.50	-
9	D'-D1'	253.40	-
10	D'-E'	38.30	-
11	E'-E1'	12.30	-
12	E'-F'	253.70	-
13	A'-G'	32.20	-
14	G'-G1'	125.20	-
15	G'-H'	169.60	-
16	H'-I'	66.50	-
17	I'-I1'	36.50	-
18	I1'-I2'	59.10	-
19	I'-J'	56.10	-
20	J'-K'	157.60	-
21	K'-K1'	95.70	-
22	J'-L'	51.20	-
23	L'-M'	142.00	-
24	M'-N'	50.70	-
25	N'-O'	82.80	-
26	O'-O1'	21.50	-
27	O'-P'	47.60	-
28	P'-Q'	27.90	-
29	Q'-Q1'	81.00	-
30	Q'-Q2'	52.90	-
31	N'-S'	126.80	-
	TOTAL	2643.60	-
	SAY	2644.00	-

Amount (Rs. in Laacs)

1. Providing, laying, jointing and testing of UPVC Pipes pipes including cost of excavation etc. complete in all respect.

a) 100mm dia./UPVC. 2644 m @ Rs. 1000/-
M

26.44

Add Cost for Specials (L.S)	2.64 ✓
2. Providing and fixing UPVC sluice valves including cost of derrick masonry chambers complete in all respect.	
a) 100mm dia 12nos. @ Rs. 10000/- each	1.20 ✓
3. Providing and fixing air valves and scour valves or scour taps including cost of brick masonry chamber	
14 Nos. @ Rs. 10,000/- each (L.S.)	1.40 ✓
4. Providing and fixing indicating plates for sluice Valves, air v&ves etc.	
26 nos. @ Rs. 1000/- each	0.26 ✓
5. Provision for Carriage of material and other unforeseen items.	1.50 ✓
6. Providing and Fixing 20mm dia irrigation Hydrants Valves 20Nos. Rs 3500 Each	0.70 ✓
7. Provision for cutting of roads and carriage of materials etc. and other unforeseen charges (L.S.)	1.00 ✓
9. Provision for 25mm dia UPVC Pipeline (L.S)	2.00 ✓
Total	37.14 ✓
Add P.E. & Contingency charges @ 3%	1.11 ✓
	38.25 ✓
Department escalation unforeseen and Administrator charges @ 49%	18.74 ✓
	56.994 ✓
Say	57.00 ✓

Ar. SAHIL PRUTHI
CA/2018/96260



30.00625 ACRES RESIDENTIAL PLOTTED COLONY
(DDJAY) SECTOR -98 (Village Bhupani), FARIDABAD

SUB HEAD II

SEWERAGE SCHEME

Name of Project: Service Plan Estimate of Residential Plotted colony (DDJAY) measuring 30.00625 acres in Sector 98, Faridabad developed by M/S AMOLIK BUILDCON LLP.

Schedule of Quantities of S.W. Pipes

S.No	Name of Line	Dia of pipe in mm and Length in meters			
		200mm	250mm	300mm	400mm
1	A1-A1	70.60	-	-	-
2	A2-A1	29.70	-	-	-
3	A1-A	-	22.90	-	-
4	A'-A	-	-	260.50	-
5	A-B	-	-	39.50	-
6	B'-B	-	121.70	-	-
7	B-C	-	-	39.50	-
8	C'-C	-	-	260.50	-
9	C-D	-	-	38.30	-
10	D'-D	-	18.10	-	-
11	D-E	-	-	185.30	-
12	J-K	-	132.30	-	-
13	K-G	-	82.80	-	-
14	I1'-I	-	86.50	-	-
15	I'-I	-	47.40	-	-
16	I-H	-	26.40	-	-
17	H-G	-	47.60	-	-
18	G-F	-	10.00	-	-
19	F'-F	21.00	-	-	-
20	F-E	-	-	38.30	-
21	E-L	-	-	-	82.80
22	L-M	-	-	-	77.80
23	M'-M	-	101.20	-	-
24	N-O	-	126.30	-	-
25	O-P	-	49.70	-	-
26	P'-P	-	126.50	-	-
27	P-Q	-	45.10	-	-
28	Q1'-Q'	-	63.10	-	-
29	Q'-Q	-	-	36.50	-
30	Q-S	-	-	77.50	-
31	S-T	-	-	158.60	-
32	T'-T	-	119.70	-	-
33	T-U	-	-	-	60.10
34	M-U	-	-	-	12.00
35	U-R (STP)	-	-	-	10.00
		121.30	1227.30	1134.50	242.70
	TOTAL	122.00	1228.00	1135.00	243.00
	SAY	2,728.00			

1. Providing, lowering, cutting, salt glazed stoneware pipes and specials into trenches including cost of excavation, bed concrete, cost of manholes complete in all respect.

(Rs. in lacs)

i) 400 mm i/d Av. Depth upto 3.00M — 243.00M @ Rs. 2400/- per M	5.10 12.15
ii) 300 mm i/d Av. Depth upto 3.00 M — 1135.00M @ Rs. 1850/- per M	20.99 30.64
iii) 250 mm i/d Av. Depth upto 3.00M — 1228.00M @ Rs. 1500/- per M	18.42 29.84
iv) 200 mm i/d Av. Depth upto 2.5 M — 122.00M @ Rs. 1250/- per M	1.52 2.77
2. Provision for providing oblique junctions (L.S.)	2.00 3.50
3. Providing STP @ 16,000 per KLD - 1280.00 KLDx16000 Including Machinery complete in all respect	204.80 320.00
4. Provision of temporary timbering etc.	1.00 2.00
5. Provision for cutting of roads, Trenchless Excavation and carriage of materials etc. and unforeseen charges (L.S.)	3.00 —
6. Provision for over flow pipe from STP to FMDA main Sewer (L.S.)	2.00 4.05
7. Provision for connection of over flow pipe from STP to FMDA Line	2.50 3.00
	410.95
P.E. & Contingency charges @ 3%	260.33
	7.81 12.33
Department escalation unforeseen and administrator charges @ 49%	268.139 423.28
	131.388 207.41
Total	399.32 630.68
Say:	399.60 630.70

AT. SAHIL PRUTHI
CA/2018/96260



30.00625 ACRES RESIDENTIAL PLOTTED COLONY
(DDJAY) SECTOR -98 (Village Bhupani), FARIDABAD

SUB HEAD III

STORM WATER DRAINAGE

Name of Project: Service Plan Estimate of Residential Plotted colony (DDJAY) measuring 30.00625 acres in Sector 98, Faridabad developed by M/S AMOLIK BUILDCON LLP.

Schedule of Quantities of R.C.C Pipes

S.No	Name of Line	Dia of pipe in mm and Length in meters
		400mm
1	A2-A	255.10
2	A1-A	14.40
3	A-B	38.30
4	B-C	122.00
5	C1-C	133.10
6	C-C'(RWH)	10.00
7	D-E	153.90
8	F-E	136.30
9	E-G	109.10
10	G-G'(RWH)	10.00
11	C'-G'	53.70
12	H-I	31.70
13	II-I	117.40
14	I-J	39.50
15	G'-J	151.70
16	J-K	26.10
17	K3-K1	65.10
18	K2-K1	24.20
19	K1-K	15.00
20	K-K'	10.00
21	L1-L'	34.80
22	L2-L'	20.70
23	L'-L	10.00
24	L3-L	72.10
25	L-M	69.50
26	M'-M	79.40
27	M-N	60.40
28	N'-N	79.40
29	N-O(RWH)	74.90
30	P-Q'	63.30
31	Q'-Q	62.60
32	Q-R(RWH)	78.00
33	R-S	142.90
34	O-S	43.80
35	S-T	51.20
36	T'-T	129.50
37	T-U(RWH)	56.50
38	U-V	41.20
39	V-W	124.10
40	X'-X	64.20
41	X-W	40.50

42	W-Y(RWH)	10.00
	TOTAL	2,925.60
	SAY	2,953.00

1. Providing, laying RCC pipes drain class NP —3 with cement joint, manholes, excavation etc. complete in all respect 400 mm i/d	Rs. in lacs
Av. Depth up to 2m— 2953 M @ Rs. ²⁹⁵⁰ 2500/- per M	^{87.11} 73.82
400 mm i/d	
2. Provision for road gullies with 300 mm dia pipe connection L.S.	5.00
3. Provision for providing Rain Water Harvesting Pits	^{135.00} 35.00
PN ₀ & Rain Water Harvesting Arrangements @ 5L Each	
^{30 No.} ^{4.50 L each}	
4. Provision for lighting, watching and temporary diversion of Traffic	2.00
5. Provision for cutting of roads and carriage of materials etc. and other unforeseen items L.S.	2.50
6. Provision for Temp. Disposal arrangements till FMDA Sectors are Provided & Over Flow arrangement To FMDA Line (L.S)	15.00
7.. Provision for connection with FMDA ^{FEU} on master line	^{3.00} 1.50
8.. Provision for timbering haring and shoring	<u>1.00</u>
Total	135.82 ^{250.61}
P.E. & contingency charges @ 3%	4.07 ^{7.51}
Total	139.89 ^{258.12}
Department escalation unforeseen and administrator charges @ 49%	68.548 ^{126.48}
Total	208.438 ^{384.61}
Total	208.50
	^{384.60}

Mr. SAHIL PRUTHI
CA/2018/96260



30.00625 ACRES RESIDENTIAL PLOTTED COLONY

(DDJAY) SECTOR -98 (Village Bhupani), FARIDABAD

SUB WORK NO. IV

ROAD WORK

Name of Project: Service Plan Estimate of Residential Plotted colony (DDJAY) measuring 30.00625 acres in Sector 98, Faridabad developed by M/S AMOLIK BUILDCON LLP.

Schedule of Quantities of Road Layout			
S.No	Name of Road	Length in meters	Width of Road
1	R1	33.20	9.00
2	R2	31.00	9.00
3	R3	193.40	9.00
4	R4	253.30	9.00
5	R5	112.20	9.00
6	R6	118.00	9.00
7	R7	97.10	9.00
8	R8	253.10	9.00
9	R9	29.10	9.00
10	R10	253.30	9.00
11	R11	353.00	9.00
12	R12	164.30	9.00
13	R13	62.40	9.00
14	R14	59.10	9.00
15	R15	82.90	9.00
16	R16	27.90	9.00
17	R17	65.10	9.00
18	R18	127.90	9.00
19	R19	94.70	9.00
20	R20	15.20	9.00
21	R21	74.20	9.00
22	R22	74.20	9.00
23	R23	80.20	9.00
	TOTAL	2,654.8	
Total Length=			
2,654.8+5% (For Curves) =2,787.54			
	SAY	2,788.00	

Width in meter	Length in meter	Metalled Portion	Area in Sqm.
9.00	2,788	5.50	15,334
Total	2,788		15,334

Add 5% for curves

Total Area

Say

$$5\% \times 15,334 = 766.7$$

$$15,334 + 766.70 = 16,100.7$$

$$16101.00 \text{ Sq.m}$$

Item No.	Description of Item	Unit	Qty.	Rate (Rs)	Amount (Rs. In Lacs)
1	Earth Works				
1	Provision for levelling + earth filling as per site condition approximate (Area under Roads)	Acre	6.15	1,75,000	10.76 ✓
2	Provision For Construction of roads by providing granular sub base 200 mm as per MORT & H specifications conforming to claus 401 grading-II 400.1				
i.	200 mm GSB				
ii.	250 mm thick stone aggregate				
iii.	50 mm thick DBM with brimer coat @60kg/100 sq.m & tack coats @25kg/100sq.m				
iv.	30 mm thick B.C				
	Total	Sqm	16101	1200 1500	41.58 241.51
3	Miscellaneous Items				
3.1	Construction of cement concrete Kerband Channels as per specifications(2788X2)	Meter	5576	600	33.48 ✓
3.2	Providing and fixing guide maps at selected locations (L.S.)				1.50 ✓
3.3	Provision for plot indicators (L.S.)				2.00 ✓
3.4	Provision for demarcating burgies (L.S.)				1.00 ✓
3.5	Provision for traffic arrangement (L.S.)				1.50 ✓
3.6	Provision for carriage of material (L.S.)				2.00 ✓
3.7	Construction of pavement Arrangement providing and laying 80mm cement conc./base	Pavement	850	750	6.37 ✓
	Provision for parking with cement conc. 1:2:4 100mm thick over cement conc. 1:4:8 1.20 acres = 4861.86/2 — 2431 sq.m. say	Parking	1581	1200	18.91 ✓
					319.03
					119.10
	Add 3% contingency & P.E. charges				3.573-9.57
	Total				122.673 328.60
	Department escalation unforeseen and administrator charges @ 49%				-60.109 161.01
	Total				182.782 489.61
					182.80

Say

Ar. SAHIL PRUTHI

CA/2018/95260



489.60 ✓

SUB WORK-V30.00625 ACRES RESIDENTIAL PLOTTED COLONY(DDJAY) SECTOR -98 (Village Bhupani), FARIDABADSTREET LIGHTING

Name of Project: Service Plan Estimate of Residential Plotted colony (DDJAY) measuring 30.00625 acres in Sector 98, Faridabad developed by M/S AMOLIK BUILDCON LLP.

Amount (Rs. In Lacs)

Providing street lighting on
internal Roads as per standard
specification in 30.00625 acre
area Rs. 2,50,000/- per acre
 $30.00625 \times 2,50,000/- = 75.01$

= 75.01 ✓

Add 3% contingencies & P.E.
Charges

= 2.25 ✓
77.26 ✓

Add Department Charges escalation
unforeseen and administrator
charges @ 49%
Total

= 37.857 ✓
= 115.117 ✓
= 115.20 ✓

Say


Ar. SAHIL PRUTHI
CA/2018/96260



30.00625 ACRES RESIDENTIAL PLOTTED COLONY

(DDJAY) SECTOR -98 (Village Bhupani), FARIDABAD

SUB WORK NO. VI

COST ESTIMATE

HORTICULTURE

Name of Project: Service Plan Estimate of Residential Plotted colony (DDJAY) measuring 30.00625 acres in Sector 98, Faridabad developed by M/S AMOLIK BUILDCON LLP.

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 FMDA Norms) Area 2.26 Acres Rs. 1,50,000/- per acre

- 2 Planting of trees with tree guards on Roads at 30 intervals on 9 m wide Road = 2,788 M
Total length = 2,788.00 M

No. of trees @ 9 m c/c 2788 x 2 / 9 = 619.5 Nos.

SAY = 650 Nos.

Cost of the tree

Excavation Rs. 60/-

Manure Rs. 90/-

Tree plants Rs. 150/-

Tree guards Rs. 1000/-

Total = 1300x 650

TOTAL 1800

1800

8.45 11.70

15.09
 0.28-0.45
 9.641 15.54
 8.724 7.61
 14.365 23.15
 14.40- 23.15



Add 3% contingencies and P.E charges
 Add 49% departmental charges, price escalation, unforeseen and
 Adm charges
 TOTAL

SAY

At. SAHIL PRUTHI
 CA/2018/96260

30.00625 ACRES RESIDENTIAL PLOTTED COLONY

(DDJAY) SECTOR - 98 (Village Bhupani), FARIDABAD

SUB WORK NO. VII

MAINTENANCE CHARGES AND RESURFACING OF ROADS

Name of Project: Service Plan Estimate of Residential Plotted colony (DDJAY) measuring 30.00625 acres in Sector 98, Faridabad developed by M/S AMOLIK BUILDCON LLP.

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 FMDA norms after

completion and resurfacing of roads after 10 years.

30.00625 acres @ Rs. 7.50 lacs

per acre

= 225.05

2. Provision for resurfacing of roads after 1st 5 years of

maintenance i.e. 50mm thick B.M. and 25mm premix

carpet with mechanical paver with seal coat

16101 sqm @ Rs 600/- Per Sqm

= 96.60

3. Resurfacing of road after 10 years of maintenance by

Providing 50mm thick B.M. with 25 mm thick premix carpet with seal coat

with mechanical paver

16101 sqm @ Rs 750/- Per Sqm

= 120.75

TOTAL

= 442.40

Add 3% PE and contingency charges

= 13.27

= 455.672

= 223.279

Add 49% Departmental charges, price

escalation unforeseen and administrator

charges.

Total

= 678.95

Say

679.00

At. SAHIL PRUTHI
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HYDRAULIC DESIGN STATEMENT OF WATER SUPPLY (LOAD CALCULATION)

Providing Water Supply Scheme 30.00625ACRES RESIDENTIAL PLOTTED COLONY SECTOR-98, FARIDABAD

Sr.No.	Name of Pipe Line	No of Plots	Population @13.5 persons per plot	Water requirement @115 l/head/day in K.L.D	Water requirement for non-residential plots				Total requirem ^{nt} in K.LPD	Gross water requirement in gallons per day (Total)
					Plot's area in acres	Type of building	Basis of water requirement	Gross water requirement		
1	2	3	4	5	6	7	8	9	10	11
1	R-A	-	-	-	-	-	-	-	-	-
2	A-B	-	-	-	-	-	-	-	-	-
3	B-B1	5	67.5	7.80	-	-	-	-	-	-
4	B1-B2	18	243	27.95	-	-	-	-	7.80	2060.54
5	B-C	18	243	27.95	-	-	-	-	27.95	7383.61
6	C-D	39	526.5	60.55	-	-	-	-	27.95	7383.61
7	D-D1	34	459	52.80	-	-	-	-	60.55	15995.6
8	D-E	-	-	-	-	-	-	-	52.80	13948.3
9	E-F	-	-	-	-	-	-	-	-	-
10	F-F1	28	378	43.50	-	-	-	-	-	-
11	F-G	36	486	55.90	-	-	-	-	43.50	11491.5
12	E-H	67	904.5	104.02	-	-	-	-	55.90	14767.2
13	H-H1	3	40.5	4.70	-	-	-	-	104.02	27479.2
14	H1-H2	4	54	6.20	-	-	-	-	4.70	1241.61
15	H1-H3	9	121.5	13.97	Commercial 1.20 Acre	32 KL/Acre	38.40 KL	-	44.60	11782.21
16	H-I	6	81	9.30	-	-	-	-	13.97	3690.48
17	I-I1	34	459	52.80	-	-	-	-	9.30	2456.8
18	I-J	6	81	9.30	-	-	-	-	52.80	13948.3
19	J-I1	67	904.5	104.02	-	-	-	-	9.30	2456.8
20	J-K	5	67.5	7.80	-	-	-	-	104.02	27479.2
									7.80	2060.54



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21	K-K1	3	40.5	4.70	-	-	-	4.70	1241.61
22	K-L	46	621	71.40	-	-	-	71.40	18861.9
23	L-L1	22	297	34.20	-	-	-	34.20	9034.68
24	L-M	-	-	-	-	-	-	-	-
25	M-M1	2	27	3.10	-	-	-	3.10	818.93
26	M-N	-	-	-	-	-	-	-	-
27	N-N1	22	297	34.20	-	-	-	34.20	9034.68
28	N-O	9	121.5	13.97	-	-	-	13.97	3690.48
29	O-P	4	54	6.20	-	-	-	6.20	1637.87
30	P-P1	18	243	27.90	-	-	-	27.90	7370.4
31	P-P2	14	189	21.70	-	-	-	21.70	5732.53
32	A-Q	10	135	15.50	-	-	-	15.50	4094.67
33	Q-S	36	486	55.90	-	-	-	55.90	14767.2
34	S-T	30	405	46.60	Community 3.001 Acre	28.5Kl/Acre	85.52Kl	132.12	34902.4

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CA/2018/ES260



DESIGN STATEMENT

Providing Water Supply Scheme 30.00625ACRES RESIDENTIAL PLOTTED COLONY SECTOR-98, FARIDABAD

S. No.	Name of line	Water load in gallons per day			3 times water load in gallon per day	Designed water load in gallons per day	Size in mm	Length in m	Head loss per 1000m	Head loss in m	Hydraulic levels in meter		R.L. at L/E in meter	Terminal head at L/E in m
		Self	Branch	Total							L/E	L/E		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	R-A	-	-	-	-	3,33,00000	200	11.00	-	-	235.00	234.77	199.80	36.17
2	A-B	-	-	-	-	3,33,00000	200	27.60	0.94	0.02	234.77	233.24	199.80	34.64
3	B-B1	2060	-	2060	6,180	3,33,00000	150	36.50	9.20	1.15	233.24	232.09	199.80	33.49
4	B1-B2	7383	2060	9443	28,329	3,33,00000	100	64.60	9.20	0.50	232.09	231.59	199.80	32.99
5	B-C	7383	9443	16,826	50,478	3,33,00000	200	77.50	3.13	0.39	231.59	231.20	199.80	32.60
6	C-D	15995	16,826	32,821	98,463	3,33,00000	200	158.60	4.35	0.22	231.59	231.37	199.80	32.77
7	D-D1	13948	-	13948	41,844	3,33,00000	100	119.70	3.32	0.50	231.37	230.87	199.80	32.27
8	D-E	32,821	-	32,821	98,463	3,33,00000	150	32.20	2.06	0.08	231.37	231.29	199.80	32.69
9	E-F	32,821	-	32,821	98,463	3,33,00000	150	39.50	3.32	0.50	231.29	230.79	199.80	32.19
10	F-F1	11,491	-	11,491	34,473	3,33,00000	100	101.00	3.32	0.50	231.29	231.27	199.80	32.67
11	F-G	14767	-	14767	44,301	3,33,00000	100	150.90	0.94	0.02	231.29	231.27	199.80	32.77
12	E-H	27479	32,821	60,300	1,80,900	3,33,00000	150	268.10	4.35	0.22	231.59	231.37	199.80	32.27
13	H-H1	1241	-	1241	3,723	3,33,00000	100	22.90	3.32	0.50	231.37	230.87	199.80	32.27
14	H1-H2	11782	1241	13,023	39,069	3,33,00000	100	29.70	2.06	0.08	231.37	231.29	199.80	32.69
15	H1-H3	3690	-	3690	11,070	3,33,00000	100	70.60	3.32	0.22	231.29	230.79	199.80	32.19
16	H-I	2456	60,300	62,756	1,88,268	3,33,00000	150	39.50	0.94	0.50	231.29	231.27	199.80	32.67
17	I-I1	13948	-	13948	41,844	3,33,00000	100	121.40	0.94	0.02	234.77	233.24	199.80	34.64
18	I-J	2456	62,756	65,212	1,95,636	3,33,00000	150	39.50	9.20	1.15	233.24	232.09	199.80	33.49
19	J-J1	27479	-	27479	82,437	3,33,00000	150	258.90	9.20	0.50	232.09	231.59	199.80	32.99
20	J-K	2060	65,212	67,272	2,01,816	3,33,00000	150	38.30	3.13	0.39	231.59	231.20	199.80	32.60

21	K-K1	1241	-	1241	3.723	3,33,00000	100	18.10	4.35	0.22	231.59	231.37	199.80	32.77
22	K-L	18861	67,272	86,133	2,58,399	3,33,00000	150	185.30	3.32	0.50	231.37	230.87	199.80	32.27
23	L-L1	9034	-	9034	27,102	3,33,00000	100	75.20	2.06	0.08	231.37	231.29	199.80	32.69
24	L-M	-	86,133	86,133	2,58,399	3,33,00000	100	38.30	3.32	0.50	231.29	230.79	199.80	32.19
25	M-M1	818	-	818	2,456	3,33,00000	100	17.80	0.94	0.02	231.29	231.27	199.80	32.67
26	M-N	-	86,133	86,133	2,58,399	3,33,00000	100	10.00	4.35	0.22	231.59	231.37	199.80	32.77
27	N-N1	9034	-	9034	27,102	3,33,00000	100	75.30	3.32	0.50	231.37	230.87	199.80	32.27
28	N-O	3690	86,133	89,823	2,69,469	3,33,00000	100	47.60	2.06	0.08	231.37	231.29	199.80	32.69
29	O-P	1637	89,823	91,460	2,74,380	3,33,00000	100	27.90	3.32	0.22	231.29	230.79	199.80	32.19
30	P-P1	7370	-	7370	22,110	3,33,00000	150	86.50	0.94	0.50	231.29	231.27	199.80	32.67
31	P-P2	1241	-	1241	3,723	3,33,00000	100	47.40	3.32	0.50	231.37	230.87	199.80	32.27
32	A-Q	4094	2060	6,154	18,462	3,33,00000	200	67.20	2.06	0.08	231.37	231.29	199.80	32.69
33	Q-S	14767	6,154	20,921	62,763	3,33,00000	150	130.90	3.32	0.50	231.29	230.79	199.80	32.19
34	S-T	34902	20,921	55,823	1,67,469	3,33,00000	150	183.00	0.94	0.02	231.29	231.27	199.80	32.67



At. SAHIL PRUTHI
CA/2018/96260

SCHEDULE OF QUANTITIES

Providing Water Supply Scheme 30.00625 ACRES RESIDENTIAL PLOTTED COLONY SECTOR-98, FARIDABAD

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	R-A	-	-	11.00	-	-	-	-	-	-	-		
2	A-B	-	-	27.60	-	-	-	-	-	-	-		
3	B-B1	-	36.50	-	-	-	1	-	-	-	-		
4	B1-B2	64.60	-	-	-	-	1	-	-	-	-		
5	B-C	-	-	77.50	-	-	-	-	-	-	-		
6	C-D	-	-	158.60	-	-	-	-	1	-	-		
7	D-D1	119.70	-	-	-	-	1	-	-	-	-		
8	D-E	-	32.20	-	-	-	-	-	-	-	-		
9	E-F	-	39.50	-	-	-	-	-	-	-	-		
10	F-F1	101.00	-	-	-	-	-	-	-	-	-		
11	F-G	150.90	-	-	-	-	1	-	-	-	-		
12	E-H	-	268.10	-	-	-	-	1	-	-	-		
13	H-H1	22.90	-	-	-	-	-	-	-	-	-		
14	H1-H2	29.70	-	-	-	-	-	-	-	-	-		
15	H1-H3	70.60	-	-	-	-	-	-	-	-	-		
16	H-I	-	39.50	-	-	-	-	-	-	-	-		
17	L-I1	121.40	-	-	-	-	1	-	-	-	-		
18	L-J	-	39.50	-	-	-	-	-	-	-	-		
19	J-I1	-	258.90	-	-	-	-	1	-	-	-		

20	J-K	-	38.30	-	-	-	-	-	-	-	-	-	-
21	K-K1	18.10	-	-	-	-	-	-	-	-	-	-	-
22	K-L	-	185.30	-	-	-	-	-	-	-	-	-	-
23	L-L1	75.20	-	-	-	-	-	-	-	-	-	-	-
24	L-M	38.30	-	-	-	-	-	-	-	-	-	-	-
25	M-M1	17.80	-	-	-	-	-	-	-	-	-	-	-
26	M-N	10.00	-	-	-	-	-	-	-	-	-	-	-
27	N-N1	75.30	-	-	-	-	-	-	-	-	-	-	-
28	N-O	47.60	-	-	-	-	-	-	-	-	-	-	-
29	O-P	27.90	-	-	-	-	-	-	-	-	-	-	-
30	P-P1	-	86.50	-	-	-	-	-	-	-	-	-	-
31	P-P2	47.40	-	-	-	-	-	-	-	-	-	-	-
32	A-Q	-	-	67.20	-	-	-	-	-	-	-	-	-
33	Q-S	-	130.90	-	-	-	-	-	-	-	-	-	-
34	S-T	-	183.00	-	-	-	-	-	-	-	-	-	-
		918.70	1457.90	341.90	-	-	-	-	-	-	-	-	-
		919.0	1,458.0	342.00	-	-	-	-	-	-	-	-	-
TOTAL													
			2,719.00										

AT. SAKIL PRUTHI
CA/2018/06260



STATEMENT FOR CALCULATION OF SEWERAGE LOAD

PROVIDING SEWERAGE SCHEME 30.00625ACRES RESIDENTIAL PLOTTED COLONY

SECTOR-98, FARIDABAD

S. No.	Name of Line	Water Requirement of plots			Demand of non-residential areas			Total requirement in KL,PD	Quantity of Sewage@80% of Water Requirement in cusecs.
		No. of Plots	Population @135 persons /plot	Water Requirement @155 LPCD in KL,PD	Nature of building	Basin of water Requirement	Gross Requirement in KL,PD		
1	A3-A1	9	121.5	18.83	-	-	-	18.83	0.00769
2	A2-A1	4	54	8.37	Commercial 1.20 Acre	32 KL/Acre	38.40 KL	46.77	0.01911
3	A1-A	3	40.5	6.30	-	-	-	6.30	0.00257
4	A-A	67	904.5	140.20	-	-	-	140.20	0.0573
5	A-B	6	81	12.55	-	-	-	12.55	0.00512
6	B-B	34	459	71.14	-	-	-	71.14	0.02907
7	B-C	6	81	12.55	-	-	-	12.55	0.00512
8	C-C	67	904.5	140.20	-	-	-	140.20	0.0573
9	C-D	5	67.5	10.46	-	-	-	10.46	0.00427
10	D-D	3	40.5	6.30	-	-	-	6.30	0.00257
11	D-E	44	594	92.07	-	-	-	92.07	0.0376
12	J-K	30	405	62.77	-	-	-	62.77	0.0256
13	K-G	22	297	46.04	-	-	-	46.04	0.01881
14	I-I	22	297	46.04	-	-	-	46.04	0.01881
15	F-I	14	189	29.29	-	-	-	29.29	0.01197
16	I-H	4	54	8.37	-	-	-	8.37	0.00342
17	H-G	9	121.5	18.83	-	-	-	18.83	0.00769
18	G-F	-	-	-	-	-	-	-	-
19	F-F	2	27	4.18	-	-	-	4.18	0.0017
20	F-E	-	-	-	-	-	-	-	-
21	E-L	22	297	46.04	-	-	-	46.04	0.01881
22	L-M	-	-	-	-	-	-	-	-
23	M-M	28	378	58.59	-	-	-	58.59	0.0239

24	N-O	36	486	75.33	-	-	75.33	0.03078
25	O-P	9	121.5	18.83	-	-	18.83	0.00769
26	P-P	36	486	75.33	-	-	75.33	0.03078
27	P-Q	2	27	4.18	-	-	4.18	0.0017
28	Q1-Q	18	243	37.66	-	-	37.66	0.01539
29	Q-Q	5	67.5	10.46	Community 3.001 Acre	28.5Kl/Acre	85.52Kl.	95.98 0.03923
30	Q-S	18	243	37.66	-	-	37.66	0.01539
31	S-T	39	526.5	81.61	-	-	81.61	0.03335
32	T-T	34	459	71.14	-	-	71.14	0.0290
33	T-U	-	-	-	-	-	-	-
34	M-U	-	-	-	-	-	-	-
35	U-R	-	-	-	-	-	-	-
	(STP)							



AT. SAHIL PRUTHI
CA/2018/06280

DESIGN STATEMENT
PROVIDING SEWERAGE SCHEME 30.06625ACRES RESIDENTIAL PLOTTED COLONY
SECTOR-98, FARIDABAD

S. No.	Name of Line	Sewage Load in cusecs			3 times Sewage Load in cusecs	Design used in depth	Size in mm	Length in m	Slope 1 in	Valve in m	Fall in m	Formation level		Invert level in m		Depth in m		Avg. depth in m
		Soil	House	Total								Top	Bot	Top	Bot	Top	Bot	
1	A3-A1	0.00769	-	-	0.0226	0.47	200	70.60	200	0.82	0.35	199.25	199.25	198.25	197.90	1.00	1.35	1.18
2	A2-A1	0.60756	-	-	0.6076	0.47	200	29.70	200	0.82	0.19	199.25	199.25	198.25	198.10	1.00	1.15	1.05
3	A1-A	0.61268	0.01025	-	0.02393	0.47	250	22.90	200	0.82	0.11	199.25	199.26	197.90	197.79	1.15	1.46	1.40
4	A1-A	0.61036	-	-	0.01036	0.47	300	260.50	200	0.82	1.30	199.38	199.36	198.36	197.06	1.00	2.30	2.05
5	A-B	0.60512	0.02393	-	0.02905	0.47	300	39.50	200	0.82	0.20	199.26	199.24	197.06	196.66	2.30	2.50	2.40
6	B-C	0.40042	-	-	0.02342	0.47	250	121.70	200	0.82	0.61	199.31	199.31	197.70	197.70	1.00	1.60	1.30
7	B-C	0.40427	0.02905	-	0.03332	0.47	300	39.50	200	0.82	0.20	199.24	199.28	196.66	196.66	2.30	2.70	2.60
8	C-C	0.41026	-	-	0.01026	0.47	300	260.50	200	0.82	1.30	199.40	199.28	198.40	197.10	1.00	2.30	2.80
9	C-D	0.60512	0.07332	-	0.03844	0.47	300	38.30	200	0.82	0.19	199.28	199.12	198.65	198.47	2.10	2.09	2.80
10	D-E	0.61026	-	-	0.01026	0.47	250	18.10	200	0.82	0.09	199.40	199.32	198.40	198.31	1.00	1.09	1.05
11	D-E	0.60512	0.03844	-	0.04356	0.47	300	185.30	200	0.82	0.66	199.32	199.35	198.47	195.55	2.99	3.93	3.45
12	K-K	0.40940	-	-	0.00940	0.47	250	132.30	200	0.82	0.40	199.28	199.28	198.22	197.56	1.00	1.66	1.35
13	K-Q	0.400256	0.04356	-	0.04612	0.47	250	82.80	200	0.82	0.43	199.23	199.26	198.25	197.80	1.00	1.41	1.21
14	L-L	0.00217	-	-	0.00217	0.47	250	47.40	200	0.82	0.24	199.25	199.26	198.25	198.01	1.00	1.24	1.12
15	L-L	0.04612	-	-	0.04612	0.47	250	26.40	200	0.82	0.13	199.26	199.27	197.80	197.67	1.43	1.56	1.49
16	H-H	0.00769	-	-	0.00769	0.47	250	47.60	200	0.82	0.24	199.27	199.27	197.80	197.67	1.43	1.56	1.49
17	H-G	0.00256	-	-	0.00256	0.47	250	47.60	200	0.82	0.24	199.27	199.27	197.80	197.67	1.43	1.56	1.49
18	G-H	0.01568	0.01025	-	0.02393	0.47	250	10.00	200	0.82	0.05	199.29	199.29	197.80	197.67	2.06	2.11	2.08
19	F-H	0.01056	-	-	0.01056	0.47	200	21.00	200	0.82	0.19	199.26	199.29	198.28	198.18	1.00	1.10	1.05
20	F-E	0.00512	0.02393	-	0.02905	0.47	300	35.30	200	0.82	0.19	199.29	199.33	197.80	196.92	2.11	2.30	2.20
21	F-L	0.00542	-	-	0.00542	0.47	400	82.80	200	0.82	0.41	199.35	199.35	198.35	198.14	3.01	4.32	4.11
22	L-M	0.00542	0.02905	-	0.03332	0.47	400	77.50	200	0.82	0.39	199.35	199.38	198.35	198.14	4.32	4.71	4.55
23	M-N	0.01026	-	-	0.01026	0.47	250	101.26	200	0.82	0.51	199.40	199.40	198.40	197.89	1.00	1.51	1.26
24	N-O	0.00512	0.03332	-	0.03844	0.47	250	126.30	200	0.82	0.65	199.35	199.35	198.35	197.72	1.00	1.60	1.31
25	O-P	0.01026	-	-	0.01026	0.47	250	49.70	200	0.82	0.25	199.33	199.37	197.72	197.47	1.53	1.88	1.75
26	P-P	0.00512	0.03844	-	0.04356	0.47	250	126.50	200	0.82	0.65	199.39	199.37	198.39	197.76	1.00	1.63	1.33
27	P-Q	0.00940	-	-	0.00940	0.47	250	45.10	200	0.82	0.23	199.37	199.36	197.47	197.24	1.88	2.11	1.99

28	Q ¹ -Q ²	0.00256	0.04356	0.04612	0.1383	0.47	250	63.10	200	082	0.32	199.37	199.40	198.37	198.05	1.00	1.32	1.16
29	Q ² -Q ³	0.00277	-	0.00277	0.0083	0.47	300	36.50	200	082	0.18	199.40	199.36	198.05	197.87	1.32	1.50	1.41
30	Q ³ -Q ⁴	0.04612	-	0.04612	0.1383	0.47	300	77.50	200	082	0.39	199.36	199.34	197.24	196.85	2.11	2.50	2.30
31	S-T	0.00769	-	0.00769	0.0230	0.47	300	158.60	200	082	0.79	199.34	199.34	196.85	196.06	2.50	3.29	2.89
32	T ¹ -T ²	0.00256	-	0.00256	0.0076	0.47	250	119.70	200	082	0.60	199.31	199.34	198.31	197.71	1.00	1.60	1.30
33	T-U	0.01368	0.01025	0.02393	0.0717	0.47	400	60.10	200	082	0.30	199.34	199.39	196.06	195.76	3.29	3.59	3.44
34	M-U	0.01056	-	0.01056	0.0316	0.47	400	12.00	200	082	0.06	199.38	199.39	194.75	194.69	4.71	4.77	4.74
35	U-R (STP)	0.00512	0.02393	0.02905	0.0871	0.47	400	10.00	200	082	0.05	199.39	199.39	194.69	194.64	4.77	4.82	4.79



AT SANIL PRUTHI
CA/2018/06260

Schedule of Quantities of S.W. Pipes

PROVIDING SEWERAGE SCHEME 30.00625ACRES RESIDENTIAL PLOTTED COLONY
SECTOR-98, FARIDABAD

S.No	Name of Line	Dia of pipe in mm and Length in meters					
		200mm	250mm	300mm	350mm	400mm	500mm
1	A3-A1	70.60	-	-	-	-	-
2	A2-A1	29.70	-	-	-	-	-
3	A1-A	-	22.90	-	-	-	-
4	A'-A	-	-	260.50	-	-	-
5	A-B	-	-	39.50	-	-	-
6	B-B	-	121.70	-	-	-	-
7	B-C	-	-	39.50	-	-	-
8	C-C	-	-	260.50	-	-	-
9	C-D	-	-	38.30	-	-	-
10	D-D	-	18.10	-	-	-	-
11	D-E	-	-	185.30	-	-	-
12	J-K	-	132.30	-	-	-	-
13	K-G	-	82.80	-	-	-	-
14	II'-I	-	86.50	-	-	-	-
15	I'-I	-	47.40	-	-	-	-
16	I-H	-	26.40	-	-	-	-
17	H-G	-	47.60	-	-	-	-
18	G-F	-	10.00	-	-	-	-
19	F'-F	21.00	-	-	-	-	-
20	F-E	-	-	38.30	-	-	-
21	E-L	-	-	-	-	82.80	-
22	L-M	-	-	-	-	77.80	-
23	M'-M	-	101.20	-	-	-	-
24	N-O	-	126.30	-	-	-	-
25	O-P	-	49.70	-	-	-	-

26	P'-P	-	126.50	-	-	-	-
27	P-Q	-	45.10	-	-	-	-
28	Q1'-Q'	-	63.10	-	-	-	-
29	Q'-Q	-	-	36.50	-	-	-
30	Q-S	-	-	77.50	-	-	-
31	S-T	-	-	158.60	-	-	-
32	T'-T	-	119.70	-	-	-	-
33	T-U	-	-	-	-	-	-
34	M-U	-	-	-	60.10	-	-
35	U-R	-	-	-	12.00	-	-
	(STP)	-	-	-	10.00	-	-
		121.30	1227.30	1134.50			
	TOTAL	122.00	1228.00	1135.00	242.70		
	SAY	2,728.00			243.00		



AT. SAKHIL PRUTHI
CA/2010/96269

DESIGN STATEMENT
PROVIDING STORM WATER DRAINAGE SCHEME 30.00625ACRES RESIDENTIAL PLOTTED COLONY
SECTOR-98, FARIDABAD

S. No.	Name of Line	Area in Acres			Discharge in cumecs @ 1% rainfall intensity	Designed Discharge in cumecs	Size in mm	Length in mtr	Slope 1 in	Velocity in m/sec	Fall in m	Ground Levels in mtr				Invert levels in mtr				Depth in mtr		Avg depth in mtr
		Self	Branch	Total								GUE	LUE	EUE	LUE	GUE	LUE	EUE	GUE	LUE		
1	A2-A	1.82	-	1.82	0.45	3.52	400	255.10	560	0.77	0.45	199.35	199.32	198.35	197.80	1.00	1.45	1.23				
2	A1-A	1.63	1.82	3.45	0.86	3.52	400	14.40	560	0.77	0.02	199.40	199.32	198.40	198.38	1.00	1.02	1.01				
3	A-B	0.12	3.45	3.57	0.89	3.52	400	38.30	560	0.77	0.07	199.32	199.28	197.90	197.83	1.45	1.52	1.49				
4	B-C	2.51	-	2.51	0.63	3.52	400	122.00	560	0.77	0.22	199.28	199.30	197.83	197.61	1.52	1.74	1.63				
5	C1-C	0.12	6.08	6.20	1.55	3.52	400	133.10	560	0.77	0.24	199.40	199.30	198.40	198.16	1.00	1.24	1.12				
6	C-C' (RWH)	1.71	-	1.71	0.43	3.52	400	10.00	560	0.77	0.02	199.30	199.30	197.61	197.59	1.74	1.76	1.73				
7	D-E	0.97	7.91	8.88	2.22	3.52	400	153.90	560	0.77	0.27	199.31	199.38	198.31	198.04	1.00	1.27	1.14				
8	F-E	1.49	-	1.49	0.37	3.52	400	136.30	560	0.77	0.24	199.40	199.38	198.40	198.16	1.00	1.24	1.12				
9	E-G	0.09	10.37	10.46	2.62	3.52	400	109.10	560	0.77	0.19	199.38	199.30	198.04	197.85	1.27	1.46	1.37				
10	G-G' (RWH)	1.44	10.46	11.90	2.98	3.52	400	10.00	560	0.77	0.02	199.30	199.30	197.85	197.83	1.46	1.48	1.47				
11	C'-G' (RWH)	1.82	-	1.82	3.11	3.52	400	53.70	560	0.77	0.10	199.30	199.30	197.59	197.49	1.76	1.86	1.81				
12	H-I	1.63	1.82	3.45	1.55	3.52	400	31.70	560	0.77	0.06	199.28	199.24	198.28	198.22	1.00	1.06	1.03				
13	I-I'	0.12	3.45	3.57	0.43	3.52	400	117.40	560	0.77	0.21	199.31	199.24	198.31	198.10	1.00	1.21	1.11				
14	I-J	2.51	-	2.51	2.22	3.52	400	39.50	560	0.77	0.07	199.24	199.26	198.10	198.03	1.21	1.28	1.25				
15	G'-J	0.12	6.08	6.20	0.37	3.52	400	151.70	560	0.77	0.27	199.30	199.26	197.49	197.22	1.86	2.13	1.99				
16	J-K	1.71	-	1.71	2.62	3.52	400	26.10	560	0.77	0.04	199.26	199.25	197.22	197.18	2.13	2.17	2.15				
17	K3-K1	0.97	7.91	8.88	0.45	3.52	400	65.10	560	0.77	0.11	199.25	199.25	198.25	198.14	1.00	1.11	1.06				
18	K2-K1	1.49	-	1.49	0.86	3.52	400	24.20	560	0.77	0.04	199.25	199.25	198.25	198.21	1.00	1.04	1.02				
19	K1-K	0.09	10.37	10.46	0.89	3.52	400	15.00	560	0.77	0.03	199.25	199.25	198.14	198.11	1.11	1.14	1.13				
20	K-K' (RWH)	1.44	10.46	11.90	0.63	3.52	400	10.00	560	0.77	0.02	199.25	199.25	197.18	197.16	2.17	2.19	2.18				
21	L1-L'	0.45	11.9	12.45	1.55	3.52	400	34.80	560	0.77	0.06	199.33	199.29	198.33	198.27	1.00	1.06	1.03				
22	L2-L'	-	12.45	-	0.43	3.52	400	20.70	560	0.77	0.04	199.28	199.29	198.28	198.24	1.00	1.04	1.02				
23	L'-L	1.63	1.82	3.45	2.22	3.52	400	10.00	560	0.77	0.02	199.29	199.29	198.24	198.22	1.04	1.06	1.05				
24	L3-L	0.12	3.45	3.57	0.37	3.52	400	72.10	560	0.77	0.13	199.30	199.29	198.30	198.17	1.00	1.13	1.07				
25	L-M	2.51	-	2.51	2.62	3.52	400	69.50	560	0.77	0.12	199.29	199.26	198.17	198.05	1.13	1.25	1.19				

26	M-M	0.12	6.08	6.20	2.98	3.52	400	79.40	560	0.77	0.14	199.23	199.26	198.23	198.09	1.00	1.14	1.07
27	M-N	1.71	-	1.71	3.11	3.52	400	60.40	560	0.77	0.11	199.26	199.25	198.05	197.94	1.25	1.30	1.31
28	N-N	0.97	7.91	8.88	3.11	3.52	400	79.40	560	0.77	0.14	199.22	199.25	198.22	198.08	1.00	1.16	1.07
29	N-O	1.82	-	1.82	0.86	3.52	400	74.90	560	0.77	0.13	199.25	199.28	197.94	197.81	1.36	1.49	1.42
30	P-Q	1.63	1.82	3.45	0.89	3.52	400	63.30	560	0.77	0.11	199.37	199.40	198.37	198.26	1.00	1.11	1.06
31	Q-Q	0.12	3.45	3.57	0.63	3.52	400	62.60	560	0.77	0.11	199.40	199.36	198.26	198.15	1.11	1.22	1.17
32	Q-R	2.51	-	2.51	1.55	3.52	400	78.00	560	0.77	0.14	199.36	199.33	198.15	198.01	1.22	1.36	1.29
33	R-S	0.12	6.08	6.20	0.43	3.52	400	142.90	560	0.77	0.25	199.33	199.35	198.01	197.76	1.36	1.61	1.49
34	O-S	1.71	-	1.71	2.22	3.52	400	43.80	560	0.77	0.07	199.28	199.35	197.81	197.74	1.49	1.56	1.53
35	S-T	0.97	7.91	8.88	0.45	3.52	400	51.20	560	0.77	0.08	199.35	199.38	197.74	197.66	1.56	1.64	1.60
36	T-T	1.49	-	1.49	0.86	3.52	400	129.50	560	0.77	0.23	199.37	199.38	198.37	198.14	1.60	1.23	1.12
37	T-U	0.09	10.37	10.46	0.89	3.52	400	56.50	560	0.77	0.10	199.38	199.39	197.66	197.55	1.64	1.74	1.69
38	U-V	1.44	10.46	11.90	0.63	3.52	400	41.20	560	0.77	0.07	199.39	199.34	197.55	197.48	1.74	1.81	1.78
39	V-W	0.45	11.9	12.45	1.55	3.52	400	124.10	560	0.77	0.22	199.34	199.34	197.48	197.26	1.81	2.03	1.92
40	X-X	-	12.45	-	0.43	3.52	400	64.20	560	0.77	0.11	199.36	199.34	198.36	198.25	1.00	1.11	1.06
41	X-W	1.63	1.82	3.45	2.22	3.52	400	40.50	560	0.77	0.07	199.34	199.34	198.25	198.18	1.11	1.18	1.14
42	W-Y	0.12	3.45	3.57	0.37	3.52	400	10.00	560	0.77	0.02	199.34	199.34	197.26	197.24	2.03	2.05	2.04
	(RWH)																	



At. SAHIL PRUTHI
CA/2010/08230

Schedule of Quantities of R.C.C. Pipes
PROVIDING STORM WATER DRAINAGE SCHEME
30.00625ACRES RESIDENTIAL PLOTTED COLONY SECTOR-98,
FARIDABAD

S.No	Name of Line	Dia of pipe in mm and Length in meters				
		400mm	500mm	550mm	600mm	900mm
1	A2-A	255.10	-	-	-	-
2	A1-A	14.40	-	-	-	-
3	A-B	38.30	-	-	-	-
4	B-C	122.00	-	-	-	-
5	C1-C	133.10	-	-	-	-
6	C-C'(RWH)	10.00	-	-	-	-
7	D-E	153.90	-	-	-	-
8	F-E	136.30	-	-	-	-
9	E-G	109.10	-	-	-	-
10	G-G'(RWH)	10.00	-	-	-	-
11	C'-G'	53.70	-	-	-	-
12	H-I	31.70	-	-	-	-
13	I1-I	117.40	-	-	-	-
14	I-J	39.50	-	-	-	-
15	G'-J	151.70	-	-	-	-
16	J-K	26.10	-	-	-	-
17	K3-K1	65.10	-	-	-	-
18	K2-K1	24.20	-	-	-	-
19	K1-K	15.00	-	-	-	-
20	K-K'	10.00	-	-	-	-
21	L1-L'	34.80	-	-	-	-
22	L2-L'	20.70	-	-	-	-
23	L'-L	10.00	-	-	-	-
24	L3-L	72.10	-	-	-	-

25	L-M	69.50	-	-	-	-	-
26	M'-M	79.40	-	-	-	-	-
27	M-N	60.40	-	-	-	-	-
28	N'-N	79.40	-	-	-	-	-
29	N-Q(RWH)	74.90	-	-	-	-	-
30	P-Q'	63.30	-	-	-	-	-
31	Q'-Q	62.60	-	-	-	-	-
32	Q-R(RWH)	78.00	-	-	-	-	-
33	R-S	142.90	-	-	-	-	-
34	O-S	43.80	-	-	-	-	-
35	S-T	51.20	-	-	-	-	-
36	T'-T	129.50	-	-	-	-	-
37	T-L(RWH)	56.50	-	-	-	-	-
38	U-V	41.20	-	-	-	-	-
39	V-W	124.10	-	-	-	-	-
40	X'-X	64.20	-	-	-	-	-
41	X-W	40.50	-	-	-	-	-
42	W-Y(RWH)	10.00	-	-	-	-	-
TOTAL		2,925.60	-	-	-	-	-
SAY		2,953.00	-	-	-	-	-

AT. SAKH. PRUTHI
CA/2018/96260



Memo No. ZP-1665/JD(NK)/2023/ 31219 Dated:- 19/09/23

To

Amolik Buildcon LLP.,
Regd. Off. 14/3, Main Mathura Road,
Mewla Maharajpur, Faridabad-121003.

Subject: - Approval of Standard Design of SCOs in Commercial Pocket over an area measuring 1.20 acres forming part of Affordable Residential Plotted Colony (DDAJY) measuring 30.00625 acres (License No. 142 of 2022 dated 20.09.2022) falling in sector-98, Faridabad.

Reference: - Please refer to subject cited matter.

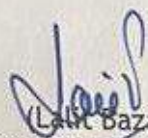
Please find enclosed a set of the approved Standard Design of SCOs of aforesaid Commercial Pocket forming part of Affordable Residential Plotted Colony (DDAJY) as per following details:-

Description	Area	Drawing No.	Dated
Commercial Pocket	1.20 acres	DGTCP-9612(i) to 9612(viii)	15.09.2023

The standard designs are approved with the following conditions:-

- The connecting corridors/passage provided at ground floor shall be used for movement/circulation of general public. The Owner of the SCOs shall not obstruct this corridor/ passage in any manner what so ever. You shall not sell the corridor/passage in any manner whatsoever.
- The developer/individual allottees shall get detailed building plans of SCOs/Booths etc. approved from DTP office.
- The developer/individual allottees shall obtain necessary approval of fire scheme/design and Fire NOC as per Haryana Fire Services Act, from competent Authority.
- The parking/open area shall not be sold in any manner whatsoever.

DA/As above


(Lalit Bazard)
District Town Planner (HQ),
For Director General, Town and Country Planning,
Haryana, Chandigarh.

Endst. No. ZP-1665/JD(NK)/2023/ _____ Dated _____

A copy along with a set of approved Standard Designs is forwarded to the following for information and further necessary action as per office order dated 31.01.2022 pertaining to Standard-Operating-Procedure (SOP) to be followed for approval of Standard Design/Building Plan/OC in Commercial Plotted Site/Colony:-

1. Senior Town Planner, Faridabad.
2. District Town Planner(P), Faridabad.

DA/As above


(Lalit Bazard)
District Town Planner (HQ),
For Director General, Town and Country Planning,
Haryana, Chandigarh.

Memo No. ZP-1665/JD (NK)/2023/ 16517

Dated:- 01/06/23

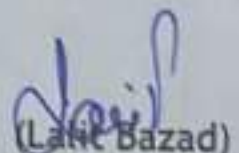
To

Amolik Buildcon LLP.,
Regd. Off: 14/3, 2nd Floor,
Main Mathura Road, Mewla Maharajpur,
Faridabad-121003.

Subject:- Approval of Zoning Plan of Affordable Residential Plotted Colony and Commercial Site measuring 1.20 acres under Affordable housing policy 2016 under Den Dayal Jan Awas Yojna over an area measuring 30.00625 acres (license no. 142 of 2022 dated 20.09.2022) falling in Sector-98, Faridabad being developed by M/s Amolik Buildcon LLP.

In reference to your application regarding subject cited above, please find enclosed a copy of approved Zoning Plan of Affordable Residential Plotted Colony (DDJAY) over an area measuring 30.00625 acres bearing Drg. No. DGTCP-9276 dated 26.05.2023 & approved Zoning Plan of Commercial site bearing Drg. No. DGTCP-9277 dated 26.05.2023.

DA/As above


(Lalit Bazad)

District Town Planner (HQ),
For Director General, Town and Country Planning,
Haryana, Chandigarh.

Endst. No. ZP-1665/JD (NK)/2023/ _____ Dated _____

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

1. Senior Town Planner, Faridabad along with a copy of approved zoning plans.
2. District Town Planner (P), Faridabad along with a copy of approved zoning plans.

DA/As above


(Lalit Bazad)
District Town Planner (HQ),
For Director General, Town and Country Planning,
Haryana, Chandigarh.