Directorate of Town & Country Planning, Haryana

Aayojna Bhawan, Madhya Marg, Sector 18A, Chandigarh.
Phone : 0172-2549349 Email: tcpharyana7@gmail.com
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Regd.

To

Purender Buildcon Pvt. Ltd.
C/o Ansal Housing and Construction Ltd. & Others
15, UGF, Inderprakash Building,
21, Barakhamba Road, New Delhi- 110001.

Memo No. LC-3663-Asstt.(MS)/2019/ 31234 Dated: 18-12-2019

Subject: **Approval of Service Plan/Estimate of licence no 53 of 2019 dated 07.03.2019 granted for setting up of Affordable Residential Plotted colony under Deen Dayal Jan Awas Yojna-2016 over an area measuring 10.50 acres in the revenue estate of Village Bhatauli, Sector-20, Yamunanagar - Purender Buildcon Pvt. Ltd. in collaboration with Ansal Housing and Construction Ltd.**

The service plan/estimates of licence no 53 of 2019 dated 07.03.2019 granted for setting up of Affordable Residential Plotted colony under Deen Dayal Jan Awas Yojna-2016 over an area measuring 10.50 acres falling in the revenue estate of Village Bhatauli, Sector-20, Yamuna Nagar has been checked and corrected, wherever necessary by the Chief Administrator, HSVP and are hereby approved subject to the following terms and conditions: -

1. You will have to pay the proportionate cost of external development charges for setting up of residential colony for the services like water supply, sewerage, storm water drainage, roads, bridges, community buildings, 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. 269.00 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 HSVP dated 25.09.2017 **Annexure-B.**
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 HVPNL.
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 HSVP/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 HSVP/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 HVPNL.
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 HSVP 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 in this office for approval.
17. You shall get the permission of competent Authority, before laying services through Panchayat/Government land.

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 Administrator, HSVP, Panchkula under intimation to this office.

DA/ as above.

(Priyam Bhardwaj)
District Town Planner (HQ)
For: Director, Town & Country Planning
Haryana, Chandigarh

Endst No. LC-3663-Asstt.(MS)/2019/ Dated:

A copy is forwarded to the Chief Administrator, HSVP, Panchkula with reference to his letter No. 146501 dated 13.08.2019 for information and necessary action.

(Priyam Bhardwaj)
District Town Planner (HQ)
For: Director, Town & Country Planning
Haryana, Chandigarh

LC-3663

REVISION-1
June -2019

AFFORDABLE PLOTTED COLONY (UNDER DEEN DAYAL AWAS YOJNA)

IN SEC-20, YAMUNA NAGAR

IN THE REVENUE ESTATE OF VILLAGE BHATAULI
BELONGING TO AJITESH BUILDCON PVT. LTD
&PURENDER BUILDCON PVT. LTD.

Project

SUNCITY PLOTTED SCHEME JAGADHARI, YAMUNANAGAR

SERVICE ESTIMATE ,
DESIGN REPORT AND CALCULATION OF
INTERNAL DEVLOPMENT WORKS

Prepared By:-

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SERVICE ESTIMATE, DESIGN REPORT AND CALCULATION OF

INTERNAL DEVELOPMENT WORKS

FOR

PROPOSED "AFFORDABLE PLOTTEDCOLONY (UNDER DEEN DAYAL JAN AWAS YOJNA – 2016) AREA MEASURING 10.50 ACRES (THROUGH MIGRATION POLICY FROM EXISTING LICENSE NO. 149 OF 2014 DATED 04.09.2014) IN SECTOR – 20, YAMUNA NAGAR, IN THE REVENUE ESTATE OF VILLAGE BHATAULIBELONGING TO AJITESH BUILDCON PVT. LTD. AND PURENDER BUILDCON PVT.LTD. IN COLLABORATION WITH M/S ANSAL HOUSING & CONSTRUCTION LTD.

SERVICE ESTIMATE, DESIGN REPORT AND CALCULATIONS OF INTERNAL DEVELOPMENT WORKS FOR PROPOSED "AFFORDABLE PLOTTEDCOLONY (UNDER DEEN DAYAL JAN AWAS YOJNA – 2016) AREA MEASURING 10.50 ACRES (THROUGH MIGRATION POLICY FROM EXISTING LICENSE NO. 149 OF 2014 DATED 04.09.2014) IN SECTOR – 20, YAMUNA NAGAR, IN THE REVENUE ESTATE OF VILLAGE BHATAULI BELONGING TO AJITESH BUILDCON PVT. LTD. AND PURENDER BUILDCON PVT.LTD. IN COLLABORATION WITH M/S ANSAL HOUSING & CONSTRUCTION LTD.

Yamuna Nagar and Jagadhari town of Haryana State situated at Ambala – Saharanpur road at a distance of 50 Km from Ambala. The town has developing tendency and potential. Further, it has also started the growing residential, commercial and Industrial. In order to review the growing pressure of population in existing town. It has been decided by the Haryana Government to develop various infrastructure facilities in Yamuna Nagar and Jagadhari Urban Complex. This report is for a part of service estimate for proposed "Affordable Plotted colony (Under Deen Dayal Jan AwasYojna – 2016) area measuring 10.50 acres (through migration policy from existing license no. 149 of 2014 dated 04.09.2014) in Sector – 20, Yamuna Nagar, in the revenue estate of village Bhatauli belonging to AjiteshBuildconPvt. Ltd. and PurenderBuildconPvt. Ltd. in collaboration with M/s AnsalHousing &Construction Ltd. has been prepared with the following provisions which are as under :-

1. **WATER SUPPLY**

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

   DESIGN

   The scheme has been designed for population of 2538persons considering @ 13.50persons/unitfor AffordablePlotted Colony and other provision etc. The combined quantum of water supply (domestic + flushing) per head / day has been taken as 155.25 Liters per head per day as per design calculation.

   PUMPING EQUIPMENTS

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

2. **SEWERAGE**

The scheme is designed for sewer connecting to the STP and bypass connection to HSVP sewer scheme. The sewer lines have designed for three times average D.W.F in relation to water supply demand. It has assumed that about 75% of the domesticand flushing water supply shall find its way into the proposed sewer. Sewer lines shall be running by gravity and discharge to STP proposed. Treated water will be used for Irrigation & other purpose (through recycling) under the pipe line system.

3. **STORM WATER DRAINAGE**

It has been proposed to construct covered brick drain with required number of manholes for disposal of storm water, which will be connected to the HSVP drain. The intensity of rain fall has been taken as 6.00mm per hour. The minimum size of soucer drain shell be provided of size 300X300mm and designed as per Kutter's formula. Necessary provision of rainwater harvesting arrangement has also been taken in this estimate.

4. **ROADS**

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

5. **STREET LIGHTING AND ELECTRIFICATION :-**

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

6. **HORTICULTURE :-**

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

7. **FIRE FIGHING :-**

Provision of Fire Fighting system has been made.

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

9. **SPECIFICATIONS**

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

10. **RATES**

The estimate has been based on the present market rates.

11. **COST**

The total cost of the scheme including cost of all services works out to Rs. ~~375.23~~ ~~1041.53~~ 880.25 lacs Lacs ~~(Rupees Three Crores Seventy Five Lacs Twenty Three Thousand only)~~ including 3% contingencies and 49% departmental charges + Price escalation and cost per acre comes out to Rs. ~~35.74~~ ~~99.19~~ 83.83 Lacs.

(Authorized Signatory)

(A) OHSR 6 Hrs storage

300 KL x 6/24 = 75 KL

U.G. Water tank

Water req. for domestic use

Taking 8 Hrs. storage = 300 x 8/24 = 100 KL

Add for fire fighting = 160 KL

260 KL

Area under Parks

Green Parks = 0.916 Acre

@ 2500 Lts/Acre

= 0.916 x 2500 = 2290 Lts or 22.90 KL

Area under Road out of 10.50 Acres = 2.93 Acre

daily water req = 2.93 x 5000 = 14650 Lts or 14.65 KL

Total daily req.

(i) for domestic use = 394.02 + 42.95 = 437.02 KL

(ii) under Park & Road = 22.90 KL + 14.65 KL = 37.55 KL

say 38 KL

1. DESIGN CALCULATION :-

Total Area of plot	= 10.50 Acres
Net Planned AREA	= 10.495 Acres
Proposed Area under Plots	= 5.07 Acres
Proposed Commercial Area	= 0.241 Acres
Proposed community Centre	= 1.053 Acres
Area of Milk & Vegetable booth	= 27.50 Sqm
Proposed Plots	= 188 Plots

2. Water Requirement :-

i)	Total Plots	= 188 Plots
	Total Population @ 13.50 Persons/Plot	= 2538 Persons
	@ 155.25 LPCD	= 394024.50 LPD
ii)	Commercial area (0.241 Acres)	= 275.39 Sqm
	@ 3 Sqm/person = 326 Person @ 45LPCD	= 14670.00 LPD
iii)	Community Centre (Area 1.053 Acres)	= 26325.00 LPD
iv)	Milk and Vegetable booth L.S. @ 25 kl/acre	= 2000.00 LPD
	Total	**= 437019.50 LPD Or 438.00 KLD**
		Say 440.00 KLD

II. FIRE DEMAND

(i)	Population	= 2538 Persons
	(p) ½ x 100/1000 = (2.538) ½ x 100	= 159.31 KLD Say 160 KLD

III. Total Water Requirement for UGT

(Excluding Fire Demand)

Hence Domestic Water Requirement (67%)	= 440 x 67%	= 295.00 KLD Say 300 kl
Hence Irrigation Water Requirement (33%)	= 440 x 33%	= 145.00 KLD
~~Half Day Requirement~~ Flushing	= 150 K.L. for Domestic	
	= 75 K.L. for Irrigation	

But it is proposed to construct an underground tank i.e. 150 K.L. in two compartment for domestic use and 75 K.L. for non potable water in two compartment (at STP) and 160 K.L. for fire fighting purposes for UGT in two compartment as shown location in the plan.

Total Capacity of UGT = 150 + 160	= 310.00 KLD 260
Total Requirement for Flushing Irrigation storage at STP	= 75.00 KLD 110
~~The provision of OHSR = 440/4~~	= 110.00 KLD

VI. Tube Well **For UGT**

a)	Yield	= 15 K.L. / Hr.
b)	Working Hour per day	= 16 Hr. / Per Day
c)	Total water demand	= 295M3/Day
d)	Number of tube well required (Water Demand / Discharge / Hr. working Per day)	= 1.23 Nos
e)	~~Add 5% extra~~	= ~~0.06~~
	Total	= 1.29 Nos
	Say	= 1 Nos

(Water to the proposed development is to be supplied by HSVP. Howeverconsider 1.00 No. T.W.'s to install for proposed requirement of water for augmentation / standby purposes and provision

UGT. for flushing water storage for
145kl + 38 kl for stor
183 kl @ 60% = 109.8 kl
say 110 kl

has also been taken in the estimates due to non availability of water but after getting the approval from the competent authority.

I) **Pumping Machinery for Tube wells**

a)	Gross Working Head	= 60 Mtr
b)	Average fall in S.L	= 2 Mtr
c)	Depression Head	= 6 Mtr
d)	Friction loss in main	= 10 Mtr
	Total	= 78 Mtr say 80 m
e)	Discharge	= 15000 LPH (Or 4.17 LPS Say 4.50 LPS)
f)	Horse Power	
	HP = (4.50 x 78) / (75 x 0.60)	= 7.80 H.P. Say = 10.00 H.P.

It is proposed to provide 1 No. pumping set of 4.50 LPS discharge at 78 Mtr head (1W)

II) **Boosting Machinery for domestic water For UGT**

Total Water Requirement = 295.00 KLD

Pumping per hour @ 8 hr. pumping / day= 295 /8 KL / hr.
= 36.88 KL / hr.
= 614.58 lpm = 10.24 lps
Say 2 No. 6.00 lps each

Gross working head		For UGT
- Suction lift		= 5.00 mts.
- Frictional loss in mains & specials		= 10.00 mts.
- Clear Head required		= 30.00 mts.
Total		= 45.00 mts.
Say		= 45.00 mts.
Pump HP		= (6.00x45)/(75x0.60)
		= 6.00 H.P.
	Say	= 7.50 HP

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

Flushing 360 LPM

III) **Boosting Machinery for Irrigation water at STP**

Total Water Requirement = 145 K.L.D + 38 KL for flushing

Pumping per hour @ 8 hr. pumping / day 183 = ~~145~~ /8 KL / hr. 183/8x2 = 11.43 KLH
= 18.12 KL / hr.
= 302.08 lpm = 5.03 lps, or 190.62 LPM
Say 2 No.3.50 lps each Say 200 LPM

Gross working head		
- Suction lift		= 5.00 mts.
- Frictional loss in mains & specials		= 10.00 mts.
- Clear Head required		= 30.00 mts.
Total		= 45.00 mts.
Say		= 45.00 mts.
Pump HP		= (3.50 x 45) / (75 x 0.60) 200 x 45 / 45 x 0.60
		= 3.50HP
	Say	= 5.00 HP ~ 3.33 HP

It is proposed to provide 3 Nos of pumping set of 3.50lps discharge at 45 mts Head each (2W + 1S)

IV) DG Set for plumbing

DG Set Requirement

Submersible Pump	(1 x 10)	= 10 HP
Domestic Pump	(2 x 7.5)	= 15HP
Irrigation Pump	(2 x5)	= 10 HP
Street Light and other etc.		= 25 HP
Total pump load		**= 60 HP**
		= 60.00 x 0.746 x 1.50
		= 67.14 K.W
Total DG capacity		**= 1 No. 75 KVA**

Hence it is proposed to provide 1 No. D.G. Set of 75 KVA capacity

FLOW TO SEWAGE TREATMENT PLANT

Total Water Requirement = 440 KLD

i) 75% of total Domestic Water Demand = 75% of 440 KLD = 330.00 KLD

Considering 5% marginal factor = 16.50 KLD

Total = 346.50 KLD

Say 350 KLD

Proposed STP Capacity = 350KLD Or0.35 MLD

(Authorized Signatory)

FINAL ABSTRACT OF COST

SR. NO.	SUB WORK	DESCRIPTION	AMOUNT (Rs. In Lacs)
			~~162.63~~
1	SUB WORK NO.I	WATER SUPPLY SCHEME 169.72	~~84.78~~
			~~169.55~~
2	SUB WORK NO. II	SEWERAGE SCHEME 98.72	~~73.72~~
			~~58.69~~
3	SUB WORK NO. III	STORM WATER DRAINAGE 73.01	~~37.76~~
			~~306.61~~
4	SUB WORK NO. IV	ROAD AND FOOTPATH 223.22	~~62.96~~
			~~40.29~~
5	SUB WORK NO. V	STREET LIGHTING 40.29	~~16.12~~
		C	~~31.26~~
6	SUB WORK NO. VI	HORTICULTURE (PLANTATION &ROAD SIDE TREES) 6.87	~~5.14~~
7	SUB WORK NO. VII	MTC. OF SERVICES & RESURFACING OF ROADS (After 1st 5 years of 1st Phase & Next 5 years in 2nd Phase)	~~94.75~~ ~~272.50~~ 269.40
			880.23 Lacs
		TOTAL	~~375.23~~
			~~1041.53~~
TOTAL : (~~Rupees Four Crores Three Thousand only~~)			Say Rs 880.25 Lacs

880.25
Cost Per Acre = Rs.~~375.23~~ Lacs / 10.50 = ~~35.74 Lacs Per Acre~~ 83.83 lacs per gross acre
~~1041.53~~ 99.19

AUTHORISED SIGNATORY

Executive Engineer
H.S.V.P. Division, Karnal

Superintending Engineer
HSVP Circle, KARNAL

Checked subject to comments in forwarding letter No. .....
Dt. .....and notes attached with the estimate

Superintending Engineer (W)
for Chief Engineer-II,
HSVP, Panchkula

SUB WORK NO. 1 (Abstract of cost) **WATER SUPPLY SCHEME**

SR. NO.	SUB WORK	DESCRIPTION	AMOUNT (Rs. In Lacs)
			~~42.85~~
1	Sub Head No. 01	Head Works 55.95	~~27.25~~
			~~22.85~~
2	Sub Head No. 02	Pumping Machinery 14.05	~~7.95~~
			~~26.33~~
3	Sub Head No. 03	Water Supply Distribution & Rising main pipe 22.90	~~11.65~~
			~~6.08~~
4	Sub Head No. 04	External Fire Hydrants 1.09	~~3.55~~
			~~7.86~~
6	Sub Head No. 05	Irrigation / Recycle water 16.60	~~4.84~~
		110.59 Tan	
		TOTAL ~~106.97~~	~~55.24~~
		Add 3% contingency & P.H. Services 3.32 ~~3.18~~	~~1.66~~
		Total ~~109.15~~ 113.91	~~56.90~~
		Add 49% Department charges + Price Escalation ~~53.48~~	27.88
		G. Total 55.81 ~~162.63~~	~~84.78~~
		Say in Lacs ~~162.63~~ 169.72 Lac	~~84.78~~

(C.O. to Final Abstract Of Cost)

SUB WORK NO. I **WATER SUPPLY**

Sub Head No. 01 **Head Works**

Sr. NO.	Description	Amount in Rs.
	260 KL cap. incl. 160 KL for fire reserve	
1	Construction of U.G, tanks ~~and Fire TanK Including pipes, valve & Specials.~~ ~~310 KLD @ Rs. 3500/- per K.L.D~~ 114 KL for flushing near STP water tank near STP 260+114 = 374 KL @ 3500	~~1085000.00~~ 12.95 lacs
2	Provision for construction of Boosting Station 1 Nos @ Rs. ~~200000/-~~ each as per standard design of PH. (L.S)	~~2~~5 00000.00 12.50 lac
~~3~~	~~Provision of construction of OHSR Capacity 110 KLD L.S.~~ Prov for const. of OHSR capacity 75 KL including cost of outlet, inlet, staircase complete in all respect (L.S)	~~800000.00~~
4	Boring and installing tube well reverse rotary rig complete with pipes and strainer to a depth of about 120 Mtr complete in all respect. ~~1~~ 2 No. @ Rs. ~~500000~~/- each 10,00,000/-	~~500000.00~~ ~~20,00,000~~ 10.00
5	Provision for construction of tube well chamber size ~~1.50m x 1.50m~~ complete in all respect. ~~1~~ 2 No. @ Rs. ~~80000~~/- each 1.50 X 1.50 X 1.50 m 5M X 3.50 M (L.S)	~~80000.00~~ ~~7,00,000~~ 1.00 lac
	for housing TW. 350,000/-	~~1,00,000~~
6	Provision for carriage of material and unforeseen items L.S.	~~30000.00~~ 0.50 lac
	Providing & installing electrically driven electric or submersible pumping sets capable of delivering 15 KL water per hr against a total head of ... complete	~~2,00,000~~
7	~~Provision of specials for tube well & rising main to UGT L.S.~~ sluice valves etc (L.S)	~~30000.00~~ 2.00 lac
	Total	~~2725000.00~~
	Say in Lacs	27.25

~~42,85,000/-~~

(C.O. to Abstract of cost of Sub Work No. I) ~~Say Rs. 42.85 Lac~~

8) Prov for boundary wall around TW and water works site (L.S) Rs 2.00 lacs

9. Prov for staff qtrs for maint. staff (L.S) Rs 10.00 lacs

Rs 55.95 lacs

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

Sr. NO.	Description	Amount in Rs.
	Centrifugal boosting / Electrically driven submersible	
1	Providing and installing ~~Hydro pneumatic~~ pumping set of following capacities for domestic water Supply with specials 1.00 7.50	3.00 lacs
	6.00 lps at 45 mts head - 3 No. (2W+1SB) - @ Rs. ~~50,000/-~~ each Set (10.00HP) 360 LPM 3,00,000/-	~~150000.00~~ 9,00,000/-
	Electrically driven	
2	Providing and installing ~~Hydro Pneumatic~~ pumping set of following capacities for Irrigation ~~etc~~/Flushing water 0.75	2.25 lacs
	3.50 lps at 45 mts head - 3 No. (2W+1SB) @ Rs. ~~30,000/-~~ 1 Set (5HP each) 1,50,000/-	~~90000.00~~ 4,50,000/-
~~3~~	~~Providing and installing Submersible pump for tube wells with specials~~	
	~~4.50 lps at 78 mts head - 1 Nos (1W) @ Rs. 80,000/- 1 Set (10HP each)~~	~~80000.00~~
~~4~~ 3	Provision for ~~ESS (Electric Panel Foundation)~~ Cheap pressure type chlorination plant complete L.S. (LS) ~~diesel Engine~~	~~25000.00~~ 1.00 lacs
~~5~~ 4	Provision for D.G. Set for stand by arrangement for all machinery = 1 No. 75 KVA @ Rs. ~~3,00,000/-~~ 3,50,000/- each (LS)	5.00 ~~300000.00~~ 3,50,000
~~6~~ 5	Provision for making foundations & erection of pumping machinery	30000.00
~~7~~ 6	Provision for pipes, valve & specials inside boosting chamber	50000.00
~~8~~ 7	Provision for electric services connection including electric fittings for boosting chambers and pump chamber etc.	~~50000.00~~ 3,00,000/- 1.50 lacs
~~9~~ 8	Provision for carriage of materials and other unforeseen items L.S.	1,00,000 ~~20000.00~~ 0.50 lacs
	Total	~~795000.00~~
	Say in Lacs	~~7.95~~ 14.05 lacs

22,85,000/-
Say 22.85 Lac

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

SUB WORK NO. 1
Sub Head No. 03

WATER SUPPLY
Water Supply Distribution & Rising Main Pipe
From T.W. to HSVP

Sr. NO.	Description	Amount in Rs.
1	Providing, laying, jointing & testing pipe lines including cost of excavation etc. complete in all respects (785 + 80 + 320) 1300/- Dist + T.W. line, Rising main)	14.81 lacs
i)	100mm dia D.I. Pipe K9 1185 Mtr @ Rs. ~~500~~/- Per Mtr 1250/- 1540,500	~~592500.00~~
ii)	150mm i/d D.I. Pipes - 190 Mtr @ Rs. ~~800~~/- Per Mtr 1950/- K9 ~~370500~~	~~152000.00~~ 2.99 lacs
iii)	200mm i/d D.I. Pipes K9 60 Mtr @ Rs. ~~1100~~/- per mtr 1575/- ~~150000~~	~~66000.00~~ 1.29 lacs
	K9 2500/- 2150/-	
2	Providing and fixing sluice valve including cost of surface box and masonry chamber etc. complete in all respect	144000/-
	a) 100mm i/d ~~12~~ 6 No. @ Rs. ~~7500/-~~ each 12000/- 0.72	~~90000.00~~
	b) 150mm i/d ~~6~~ 8 No. @ Rs. ~~10000~~/- each 18000/- ~~108000~~ 0.30	~~60000.00~~
	c) 200mm i/d 1 No. @ Rs. ~~15000~~/- each 24000/- 24000 0.20	~~15000.00~~
3	Providing and fixing indicating plates for sluice valve ~~19~~ No. @ Rs. ~~1000~~/- 1000/- 2400/-	0.09 ~~19000.00~~ 45600/-
		50000/-
4	Provision for carriage of materials and other unforeseen items	~~20000.00~~
5	Provision for making connection with ~~HUDA~~ HSVP Pipe ~~& T.W's etc.~~ on Madhu Road	100000.00
		100000/-
6	Provision for cutting the road and making good the same	~~50000.00~~
		2632600/-
	Total	~~1164500.00~~ 22.90 lacs
	Say in Lacs	~~11.65~~

26.33 Lac

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

ALLA CONSULTING

SUB WORK NO. 01 **WATER SUPPLY**

SUB HEAD NO. 04 **EXTERNAL FIRE HYDRANTS**

Sr. NO.	Description	Amount in Rs.
	DI-K9	
1	Providing, Laying, jointing and testing Heavy Class ~~M.S. Pipes~~ for fire rising main including cost of fittings, valves, connection etc. complete in all respect	~~312000.00~~
~~a)~~	~~100mm dia - 240 M @ Rs. 500/-~~ Per Mtr	~~120000.00~~
	1300/-	
2	Providing and fixing fire Hydrant with accessories 9 No. @ Rs. 6000/- each	~~180000.00~~ 0.90 Lacs
II)	~~P/F of butterfly/sluice valves 100 mm i/d - 3 Nos @ 12000/- each~~	~~36000.00~~
3	Providing and fixing indicating plate - 9 No. @ Rs. 1000/- each	~~30000.00~~ 0.09
		~~50000.00~~
4	Provision for carriage of material L.S.	0.10 ~~25000.00~~
	Total	~~355000~~
	Say In Lacs	~~3.55~~

~~6,08,000.00~~

(C.O. to Abstract of cost of Sub Work No. I) Say ~~6.08 Lac~~ 1.09 Lacs

SUB WORK NO. 01

WATER SUPPLY
Flushing cum
IRRIGATION

SUB HEAD NO. 05

Sr. NO.	Description	Amount in Rs.
	DI	
1	Providing, Laying, jointing and testing ~~UPVC~~ pipe lines suitable for 10 kg pressure including cost of fittings, valves, connection etc. complete in all respect 350/-	
a)	25mm i/d - 200 M @ Rs. ~~200/-~~ Per Mtr ~~185/-~~ 70000/-	~~40000.00~~
b)	100mm i/d - 820 M @ Rs. ~~300/-~~ Per Mtr ~~450/-~~ 1250 ~~369,000/-~~	~~246000.00~~ 10.25 lacs
c)	150mm i/d - 215 M @ Rs. ~~350/-~~ Per Mtr ~~550/-~~ 1575 - ~~1,18,250~~	~~75250.00~~ 3.39 lacs
2	Providing and fixing of Irrigation hydrant valve complete in all respect	
a)	25mm i/d - 25 Nos. @ Rs. ~~500/-~~ 800/- Each 3500 ~~20,000/-~~	~~12500.00~~ 0.87 lacs
b)	100mm i/d - ~~15~~ Nos. @ Rs. ~~1000/-~~ Each ~~1200/-~~ 12000 ~~18,000/-~~	~~15000.00~~ 0.72
c)	150mm i/d - ~~10~~ 2 Nos. @ Rs. 15000/- Each	15000.00
3	Provision for carriage of materials and other unforeseen items L.S. 50,000	~~10000.00~~
4	Provision for indicating plate with safety box etc. complet in all respect 7 ~~50~~ Nos @ Rs. 1000/- each	~~50000.00~~ 0.07 ~~75,000~~
		~~50,000~~ 0.25
5	Provision for road cutting and making it condition as original L.S.	~~20000.00~~
	Total	~~483750.00~~ 16.66 lacs
	Say in Lacs	~~4.84~~

~~785250~~ -
Say Rs. ~~7.86~~ Lac

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

SUB WORK NO. II **SEWERAGE SCHEME**

Sr. NO.	Description	Amount in Rs.
1	Providing, jointing, cutting and testing stoneware pipe grade A and lowering into trenches including cost of excavation, bed concrete, cost of manholes etc. complete 1250/-	10.12 lacs
	a) SW Pipe 200mm i/d avg. depths 0 - 2.00M 810 M @ Rs. ~~1000~~/- per Mtr	~~810000.00~~
	b) SW Pipe 250mm i/d avg depth 2.00 M 100 M @ Rs. 1200/- per Mtr	120000.00
	c) SW Pipe 300mm i/d avg depth 2.75 M 87 M @ Rs. 1400/- per Mtr	~~121800.00~~ 1.91 lacs
	d) SW Pipe 400mm i/d avg depth 3.00 M 25 M @ Rs. 1500/- per Mtr	~~37500.00~~
2	Providing, laying, jointing & testing pipe lines including cost of excavation etc. complete in all respect - 200mm dia UPVC pipe of 10kg (overfow for STP) 825/-	0.68 lacs
	a) 200MM i/d UPVC Pipe - 190 M @ Rs. ~~600/-~~ Per Mtr 156750 —	~~114000.00~~
3	Provision of lighting and watching etc. 50000 —	~~30000.00~~
4	Provision for cartage of material 50000	~~20000.00~~
		1.66 lacs
5	Provision for making connection with HSVP on master Road (L.S)	~~50000.00~~
i)	Provision for Lamp hole Comp.	150000—
6	Provision for construction of Sewerage Treatment Plant (STP) including the cost of tertiary treatment level ~~with recycling storage tank and machinery with all arrangement etc~~. complete in all respect. 350 KLD or (0.35 MLD) Capacity L.S.	~~3500000.00~~ ~~9,500,000~~ — 43.75 lacs
7.	Pow for Cutting of Road & making good it in original condition (L.S)	~~1044050~~ — 1.00
		~~4803300.00~~ 64.33
	Add 3% contingency & P.H. Services ~~331382~~ —	~~144099~~ 1.93
	Total ~~11377432~~	~~4947399~~ 66.26
	Add 49% Department charges + Price Escalation ~~5574942~~	~~2424226~~ 32.46
	~~Yamuna Nagar, Delhi.~~ **G. Total** ~~16952374~~ —	~~7371625~~
	Say in Lacs ~~169.55~~	~~73.72~~ 98.72 lacs

(C.O. to Final Abstract of Cost)

SUB WORK NO. III **STORM WATER DRAINAGE SCHEME**

Sr. NO.	Description	Amount in Rs.
1	Construction of Soucer covered drain as per standard specification complete in all respect	26.38 lacs
	a) Soucer covered drain of size 300mm x 300mm 1055 M @ Rs. ~~1000~~/- per Mtr C.C.	~~1055000.00~~ ~~1899000~~
2	Provision for Rain Water Harvesting arrangement including the cost of screening chamber and pit with all type of pipes and other material etc. complete in all respect as per standard drawing and bore upto requirement of site etc. 7 Nos RWH @ Rs. 1,50,000/- each (at selected Places)	~~1050000.00~~ 17.50 lacs
		~~560000~~
3	Provision for road gulley & pipe with connection (L.S)	~~200000.00~~ 2.00 lacs
		100000
4	Provision for lighting and watching	~~20000.00~~
		25000
5	Provision for timbering and shoring	~~20000.00~~
		50000
6	Provision for cartage of material	~~15000.00~~
		~~200000~~
7	~~Provision for making connection with Exist. storm water drain~~	~~100000.00~~
		~~3824000~~ 47.58
	Total	~~2460000.00~~ 1.42
	Add 3% contingency & P.H. Services ~~114720~~	~~73800.00~~ 49.80
	Total ~~3938720~~	~~2533800.00~~ 24.01
	Add 49% Department charges + Price Escalation ~~1929973~~	~~1241562.00~~
	Engineer, Admn. **G. Total** ~~5868693~~	~~3775362.00~~ 73.01 lacs
	Say in Lacs ~~58.69 Lac~~	~~37.76~~

(C.O. to Final Abstract of Cost)

Sub Work No. IV **ROAD AND FOOTPATH**

S. No.	Description	Unit	Qty	Rate (In Rs.)	Amount (In Rs.)	
				1.50 lacs	15.75 lacs	
1	Provision for leveling & earth filling as per site conditions/ Demarcation charges	Per Acre	10.5	~~50000~~ 7.66 lac P/Acre	~~525000~~ 8043000/-	
2	i) Providing and laying 100mm thick PCC under pavement, cement concrete of specified grade 1:4:8 and 150mm thick RMC grade M-40 ii) Providing and laying Bituminous road (250mm GSB, 350mm WMM, 50mm DBM, 25mm BC). mss	Sqm	7150 ~~7319~~	1200/- ~~400~~	~~8782800~~ 85.80 ~~2927600~~	
3	Provision for kerbs & channels of C.C. 1.2:4 both side on roads	Metre	~~1239~~ 2100	~~350~~ 600 450/-	~~433650~~ 557550/-	12.60
4	Provision for arrangement of guide map and indicating board etc.	LS			~~50000~~ 100000/-	0.50 lacs
1)	Provision for Plot Indicator	LS			100000/-	
5	Provision for footpath with 100mm thick PCC under pavement cement concrete of specified grade 1:4:8 and 150mm thick RMC Grade M-40 or Bituminous road with 250mm GSB, 300mm WMM, 50mm thick DBM & 40mm thick BC etc. as per requirement of site for surface car parking and approach to Tower / Blocke etc. complete in all respect 1028X2X1.75	Sqm	3598 ~~331~~	610/- ~~350~~	2194780/- ~~115850~~	
6.	Provision for traffic Arrangement	LS			100000/-	
7	Provision for carriage of material	LS			~~50000~~	
8	Prov for C.C. Pavement in Commercial area i.e 50% of the area 0.241X4047 / 2				100000/-	5.85 lacs
	Sub Total			~~19978130/-~~	~~4102100~~	145.45
	Add 3% contingencies & PH Services			~~599344/-~~	~~123063~~	4.36
	Sub Total			~~20577474/-~~	~~4225163~~	149.81
	Add 49% Departmental Charges + Price Escalation			~~10082962/-~~	~~2070330~~	73.41
	Total			~~30660436/-~~	~~6295493~~	
	Say Rs. In Lacs			~~306.61~~ Lac	~~62.96~~	223.22 lacs

(C.O. to Final Abstract of cost)

ROADS Details

9m wide Roads

1	=	180 m
2	=	160 m
3	=	140 m
4	=	115 m
5	=	168 m
6	=	85 m
		848 m

Add 5%. for Curves = 42.40

890.40

metalled width = 890.40 × 5.50 m = 4897.20 sqm

7) 24 m wide Road = 160 m

metalled width = 160 × 14 (2×7) = 2240 sqm

7137.20 sqm

& say 7150 sqm

Sub Work No. V **STREET LIGHTING**

S. No.	Description	Unit	Qty	Rate (In Rs.)	Amount (In Rs.)
1	Provision for Street Lighting at surrounding area as per standard specifications of HVPN etc. complete with CFL	Acre	10.50	~~100000~~ 2.50 Lac P/Acre	~~1050000~~ 2625000-
	Add 3% contingencies & PH Services				~~31500~~ 78750-
	Total				~~1081500~~ 2703750-
	Add 49% Departmental Charges + Price Escalation, Unforseen, Odun				~~529935~~ 1324838-
	Total				~~1611435~~ 4028588-
	Say Rs. In Lacs				~~16.12~~ 40.29 Lac

(C.O. to Final Abstract of cost)

Sub Work No. VI **HORTICULTURE**

S. No.	Description	Unit	Qty	Rate (In Rs.)	Amount (In Rs.)	
1	Development of Lawn Areas					
a.	Trenching of ordinary soil upto depth of 60 cm i/c removal & stacking of serviceable material & disposing by spreading and levelling within a lead of 50 M and making up the trench area for proper levels by filling with earth or earth mixed with manure before and after flooding trench with water i/c cost of imported earth and manure with all fitting and valve etc. complete					
b.	Rough dressing of turfed area					
c	Grassing with "Cynadon dactylon" i/c watering and maintenance of lawns for 30 days till the grass forms a thick lawn, free from weeds and fit for moving in row 7.5 cm part in eighter direction		~~10.50~~	1.50 las	~~1575000~~ —	
d	organized green 3706.92 Sqm Or 0.916 Acres (As per detail given in green park area calculation)	Acre	~~0.916~~ 0.916	~~200000~~ P/Acre	~~183200~~ 1.37 las	
2	Providing and planting trees along boundary @ 6 m interval (Length appx 1249M) = 1249/6 = 209Nos Say No. of trees = 209 Nos Cost details : Excavation = Rs. ~~73~~ 60 - Manure = Rs. ~~100~~ 90 - Tree Plant + = Rs. ~~1350~~ - (150 + 1000) ~~Total Rs.~~ Tree guard = ~~Rs. 723~~ 1485					
	Total ~~2208~~ — 1300	Each	209	~~723~~ 1300	~~151107~~	
	Total			~~2036472~~ —	~~334307~~	4.09 las
	Add 3% contingencies & PH Services			~~61094~~ —	~~10029~~	0.12 las
	Total			~~2097566~~	~~344336~~	4.21 las
	Add 49% Departmental Charges + Price Escalation, Unforseen, Octroi			~~1027807~~	~~168725~~	2.06 las
	Total			~~3125373~~	~~513061~~	6.27 las
	Say Rs. In Lacs			~~31.26~~ Lac	~~5.14~~	

(C.O. to Final abstract of cost)

Sub Work No. VII **Mtc. Of services & Resurfacing of Road**

S. No.	Description	Unit	Qty	Rate (In Rs.)	Amount (In Rs.)
1	Mtc. Of water supply, sewer, storm water drain, roads, street light, hort. Etc. for period of 10 years including operation charges full establishment etc. complete in all respects ~~5.0255 acres @ Rs. 1.50 lacs per acre~~	Acre	10.50	~~100000~~ 7.50 Lacc P/Acre	1050000 78,75,000/-
2	Provision for resurfacing of roads after 5 years of 1st phase with provision of 50mm thiCK BM including leveling coarse and 25mm BC as per crust design whichever is safer	Sqm	~~7319~~ 7150	~~300~~ 60/-	~~2195700~~ ~~4291400~~ 42.90
3	2nd phase after next five years of 1st phase (50mm DBM & 25mm BC or as per crust design whichever is safer	Sqm	~~7319~~ 7150	~~400~~ 75/-	~~2927600~~ ~~5489250~~ 53.63
	Sub Total			~~1775650~~	~~6173300~~ 175.28
	Add 3% contingencies & PH Services			~~532670~~	~~185199~~ 5.26
	Sub Total			~~1828832~~	~~6358499~~ 180.54
	Add 49% Departmental Charges, Uniformly			~~896128~~	~~3115665~~ 88.46
	Total Adum. price escalation			~~2724959~~	~~9474164~~ 269.00
	Say Rs. In Lacs			~~272.50~~ Lac	94.75

(C.O. to Final abstract of cost)

SUMMARY OF DESIGN REQUIREMENT

S. No.	Description	Qty	Unit
1	Total Population	2538	Persons
2	Total Water Requirement (Domestic)	295	KLD
3	Total Water Requirement (Irrigation & Plantation)	145	KLD
4	OHSR	1	No.
5	U. G Tank (Domestic - 150 KLD)	1	No.
6	U.G.T Fire Tank 160 KLD	1	No.
7	No. of Domestic WS pumps UGT	2+1	Set
8	No. of Irrigation & Plantation pumps	2+1	No.
9	No. of submersible pumps	1	No.
10	Generating sets (75 KVA)	1	75 KVA
11	STP (350 KLD)	1	No.

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

S. No.	Description	Size of pipe upto valve in 80mm	Size of pipe upto valve in 100mm	Size of pipe upto valve in 150mm	Size of pipe upto valve in 200mm
1	Domestic	-	785M	190M	60M
2	Rising Main	-	400M	-	-
	Total	-	**1185M**	**190M**	**60M**

MATERIAL STATEMENT (DOMESTIC WATER SUPPLY)

S. No.	Line Designation		Size of Pipe Provided	Length of Pipe (Mtr)	Length in Mtr		
	From	To			200MM	150MM	100MM
1	UGT	A	200	28	28	-	-
2	A	B	200	32	32	-	-
3	B	C	150	40	-	40	-
4	C	D	150	45	-	45	-
5	D	E	150	45	-	45	-
6	E	F	150	60	-	60	-
7	F	G	100	40	-	-	40
8	G	H	100	145	-	-	145
9	B	B1	100	145	-	-	145
10	C	C1	100	155	-	-	155
11	D	D1	100	135	-	-	135
12	E	E1	100	115	-	-	115
13	F	F1	100	50	-	-	50
	Total			**1035**	**60**	**190**	**785**

200mm i/d Pipe Length	**60 Mtr**
150mm i/d Pipe Length	**190Mtr**
100mm i/d Pipe Length	**785 Mtr**
Total Length	**1035 Mtr**

MATERIAL STATEMENT FOR BOREWELL RISING MAINS AND HUDA MAIN

S. No.	Name of Line		Size of Pipe Provided	Length of Pipe (Mtr)	Length in Mtr	
	From	To			100mm	150mm
1	T.W.	UGT	100	80	80	-
2	Govt. Line	UGT	100	320	320	-
	Total			**400**	**400**	**0**

MATERIAL STATEMENT FOR SEWERAGE SCHEME

S. No.	Line No.		Length (In Mtr)	Pipe Dia	Av. Depth	Length in Mtr			
						200mm i/d	250mm i/d	300mm i/d	400mm i/d
	From	To				0 to 2.00 Mtr	0 to 2.50 Mtr	0 to 2.75 Mtr	0 to 3.00 Mtr
1	A	B	145	200	1.82	145	-	-	-
2	B	C	40	200	1.71	40	-	-	-
3	C1	C	50	200	1.29	50	-	-	-
4	C	D	55	250	1.76	-	55	-	-
5	D1	D	115	200	1.51	115	-	-	-
6	D	E	45	250	1.81	-	45	-	-
7	E1	E	135	200	1.55	135	-	-	-
8	E	F	42	300	1.82	-	-	42	-
9	F1	F	155	200	1.59	155	-	-	-
10	F	G	45	300	1.25	-	-	45	-
11	G1	G	145	200	1.59	145	-	-	-
12	G2	G	25	200	1.22	25	-	-	-
13	G	STP	25	400	2.63	-	-	-	25
14	STP - Existing / Sewer By Pumping 200mm i/d UPVC Pipe = 190 Mtr						-	-	-
	Total		**1022**			**810**	**100**	**87**	**25**

200mm i/d Pipe Length 810 Mtr
250mm i/d Pipe Length 100 Mtr
300mm i/d Pipe Length 87 Mtr
400mm i/d Pipe Length 25 Mtr

200mm i/d UPVC Pipe (By Pumping) = 190 Mtr

MATERIAL STATEMENT OF STORM WATER DRAINAGE SCHEME

Sr. No.	Line Reference		300mm x 300mm covered brick drain	600 x 450mm covered brick drain
			Length in Mtr	Length in Mtr
	From	To		
1	A	A1/Exist.	150	-
2	B2	B1	40	-
3	B3	B1	45	-
4	B1	B/Exist.	190	-
5	C1	C/Exist.	145	-
6	D1	D/Exist.	170	-
7	E2	E1	125	-
8	E3	E1	30	-
9	E1	E/Exist.	160	-
	Total Length		1055	0

Total Length 300 x 300mm covered Soucer drain = 1055 Mtr
Total Rain Water Harvesting (RWH) = 7 Nos

MATERIAL STATEMENT (IRRIGATION WATER SUPPLY)

S. No.	Line Designation		Size of Pipe Provided	Length of Pipe (Mtr)	Length in Mtr	
	From	To			150MM	100MM
1	STP	a	150	25	25	-
2	a	b	150	40	40	-
3	b	c	150	45	45	-
4	c	d	150	45	45	-
5	d	e	150	60	60	-
6	e	f	100	185	-	185
7	e	e1	100	50	-	50
8	d	d1	100	115	-	115
9	c	c1	100	135	-	135
10	b	b1	100	155	-	155
11	a	a1	100	145	-	145
12	a	a2	100	35	-	35
	Total			**1035**	**215**	**820**

150mm i/d Pipe Length **215 Mtr**

100mm i/d Pipe Length **820 Mtr**

Total Length **1035 Mtr**

Material Statement of Road Works

Sr. No.	Road No.	Road Width	Length	Width	Area	
1	1	9.00	180.00	5.50	990.00	Sqm
2	2	9.00	160.00	5.50	880.00	Sqm
3	3	9.00	140.00	5.50	770.00	Sqm
4	4	9.00	115.00	5.50	632.50	Sqm
5	5	9.00	180.00	5.50	990.00	Sqm
6	6	9.00	85.00	5.50	467.50	Sqm
7	7	9.00	160.00	2 x 7.00	2240.00	Sqm
	G. Total				**6970.00**	Sqm
Add 5% extra for curves					348.50	Sqm
Total					**7318.50**	**Sqm**
				Say	**7319**	**Sqm**

ii) Kerbs & Channels

i)	9.00 Mtr wide road (1 x 860)		860 Mtr
ii)	24 Mtr wide Road (2 x 160)		320 Mtr
		Total	**1180 Mtr**
	Add 5% for curves		59 Mtr
		G. Total	**1239 Mtr**

II) Path :-

(i) Path No. 1	= 55M x 3.00 M	= 165.00 Sqm
(ii)Path No. 2	= 35M x 3.00 M	= 105.00 Sqm
(iii) Path No. 3	= 15M x 3.00 M	= 45.00 Sqm
Total		= 315.00 Sqm
Add 5% for curves		= 16.00 Sqm
Total		= 331.00 Sqm
		Say 331 Sqm

MATERIAL STATEMENT (FIRE HYDRANT)

i) Length of Water Supply (Domestic) = 1035 Mtr
ii) Length of 100mm i/d F.H. = 30 X 8 = 240 Mtr
iii) Nos of F.H. = 30 Nos

Note : Fire Hydrant considering @ 35Mtr /each in Domestic Water Supply line
= 1035 / 35 = 30 Nos

Discharge of cover Souce drain of size 300mm x 300mm (1'-0" x 1'-0")
(N = 0.015)

1. Size 300mm x 300mm (1'-0" x 1'-0")
2. Free Board = 150mm (6")
3. Sectional Area (A) = 1'-0" X 1'-0" = 1.00 cft
4. Wetted Parameter = 1'-0" + 1'-0" + 1'-0" = 3'-0"
5. Hydraulic Mean Depth = 1.00/3.0 = 0.33 Ft.
6. ∫R = ∫0.33 = 0.574
7. Gradient = 1/600
8. N = 6.699

   D = 0.6502
9. Velocity = V = NR/∫R + D = 6.699 x 0.33 / 0.574+0.6502

   = 2.2106 / 1.2242 = 1.80 Ft/Sec Or 0.55 M/Sec
10. Discharge = A x V = 1.00 x 1.80 = 1.80 Cusec

    Or = 1.80 x 0.0283 x 1000 = 50.94 lps

Capacity of drain size 300mm x 300mm = 50.94 lps

Gradient = 1/600

Velocity = 0.55 M/Sec

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

HYDRAULIC STATEMENT OF IRRIGATION WATER SUPPLY

S. No.	Line Reference	Population	Peak Flow in LPH	Velocity (m/s)	Size of the pipe required (in mm)	Size of the Pipe Recommend (mm)	Hydraulic Radius	Total Friction Loss in m/m	Length (M)	Loss of Head in Line (M)	Formation Level	Available head (M)
1	From S.T.P. to Irrigation Water Supply line	-	-	-	25.00	25	-	-	200	-	-	-

Note :- **25 Nos connections are to be done from Irrigation/ Plantation water supply line i.e. 25 Nos x 8 Mtr/each = 200 Mtr for 25mm i/d**

HYDRAULIC STATEMENT OF WATER SUPPLY (DOMESTIC)

SUBHEAD : DOMESTIC WATER SUPPLY SCHEME - DESIGN CALCULATION

S. No.	Line Reference		Type of Colony	Residential Plots			Population @ 13.50 Person per plot	Water Requirement @ 155.25 LPCD	Other Water Requirement i.e. Commercial / Community Centre and Anganwadi	Total Water Requirement in LPD	Water Requirement @ 67% of total water requirement	Peak Flow in LPH	Velocity (m/s)	Size of the pipe in (mm)	Total Friction Loss in M/M	Length in (M)	Loss of Head in Line (M)	Formation Level at Lower End	Available Head at Lower end (M)	Terminal Head (M)	Remarks
	From	To		Self	Branch	Total			In LPD												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	UGT	A	Plotted Resi.	-	188	188	2538	394025	42995	437020	292803	109804	0.49	200	0.002	28	0.06	99.70	144.64	44.94	Formation Level at Water Works i.e. UGT = 99.70 M
2	A	B	--do--	-	188	188	2538	394025	42995	437020	292803	109804	0.49	200	0.002	32	0.06	99.70	144.58	44.88	Boosting Head = 45.00 M
3	B	C	--do--	4	141	145	1958	303902	16670	320572	214783	80546	0.62	150	0.005	40	0.20	99.65	144.38	44.73	Hydraulic Head = 144.70 M
4	C	D	--do--	2	96	98	1323	205396	16670	222066	148784	55795	0.43	150	0.003	45	0.14	99.75	144.24	44.49	
5	D	E	--do--	3	63	66	891	138328	14670	152998	102508	38442	0.38	150	0.002	45	0.09	99.80	144.15	44.35	
6	E	F	--do--	13	25	38	513	79643	14670	94313	63190	23697	0.29	150	0.001	60	0.06	99.90	144.09	44.19	
7	F	G	--do--	5	10	15	203	31438	14670	46108	30892	11585	0.27	100	0.002	40	0.08	100.00	144.01	44.01	
8	G	H	--do--	10	-	10	135	20959	14670	35629	23871	8952	0.16	100	0.001	145	0.15	100.00	143.86	43.86	
9	B	B1	--do--	43	-	43	581	90123	0	90123	60382	22644	0.37	100	0.003	145	0.44	99.50	144.14	44.64	
10	C	C1	--do--	43	-	43	581	90123	0	90123	60382	22644	0.37	100	0.003	155	0.47	99.55	143.91	44.36	
11	D	D1	--do--	30	-	30	405	62876	2000	64876	43467	16301	0.31	100	0.002	135	0.27	99.65	144.01	44.36	
144	E	E1	--do--	25	-	25	338	52397	-	52397	35106	13165	0.27	100	0.002	115	0.23	99.70	143.92	44.22	
13	F	F1	--do--	10	-	10	135	20959	-	20959	14042	5266	0.16	100	0.001	50	0.05	99.95	144.04	44.09	

10.50 ACRES AFFORDABLE PLOTTED COLONY IN SECTOR 20, YAMUNA NAGAR

M/S ANSAL HOUSING AND CONSTRUCTION LTD.

DESIGN STATEMENT OF SEWERAGE SCHEME

SUBHEAD : SEWERAGE SCHEME - DESIGN CALCULATION

S. No.	Line Reference		Type of Colony	Unit / Flat			Population @ 13.50 Person per plot	Water Requirement @ 155.25 LPCD	Other Requirement i.e. comm. / community building / Anganwadi	Total water requireent LPD	Sew. Quantity after evaporation lossess @ 20% (In LPD)	Sewerage Discharge Peak Flow (m3/sec)	Size of pipe in (mm)	Gradient in (m)	Velocity (m/sec)	Carrying capacity of pipe (m/sec)	Length in Mtr	Fall + Extra Fall in line due to slope (m)	Ground Level		Formation Level		Invert Level		Depth		
	From	To		Self	Branch	Total										m3 /sec			Start	End	Start	End	Start	End	Start	End	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	A	B	Plotted Resi.	10	0	10	135	20959	14670	35629	28503	0.001	200	225	0.76	0.012	145	0.64	99.80	100.00	100.00	100.00	98.50	97.86	1.50	2.14	1.82
2	B	C	--do--	5	10	15	203	31438	14670	46108	36887	0.001	200	225	0.76	0.012	40	0.18	100.00	99.80	100.00	99.90	97.86	97.69 97.66	1.20	2.21	1.71
3	C1	C	--do--	10	0	10	135	20959	0	20959	16767	0.001	200	225	0.76	0.012	50	0.22	99.90	99.80	99.95	99.90	98.75	98.53	1.20	1.37	1.29
4	C	D	--do--	13	25	38	513	79643	14670	94313	75451	0.003	250	305	0.76	0.019	55	0.18	99.80	99.70	99.90	99.80	97.66	97.48	1.20	2.32	1.76
5	D1	D	--do--	25	0	25	338	52397	0	52397	41918	0.001	200	225	0.76	0.012	115	0.51	99.60	99.70	99.70	99.80	98.50	97.99	1.20	1.81	1.51
6	D	E	--do--	3	63	66	891	138328	14670	152998	122398	0.004	250	305	0.76	0.019	45	0.15	99.70	99.65	99.80	99.75	97.48	97.34 97.31	1.20	2.41	1.81
7	E1	E	--do--	30	0	30	405	62876	2000	64876	51901	0.002	200	225	0.76	0.012	135	0.60	99.55	99.65	99.65	99.75	98.45	97.85	1.20	1.90	1.55
8	E	F	--do--	2	96	98	1323	205396	16670	222066	177653	0.006	300	385	0.76	0.027	42	0.11	99.65	99.50	99.75	99.65	97.31	97.21	1.20	2.44	1.82
9	F1	F	--do--	43	0	43	581	90123	0	90123	72098	0.002	200	225	0.76	0.012	155	0.69	99.45	99.50	99.55	99.65	98.35	97.67	1.20	1.98	1.59
10	F	G	--do--	4	141	145	1958	303902	16670	320572	256458	0.009	300	385	0.76	0.027	45	0.12	99.50	99.45	99.65	99.60	97.21	97.10 97.00	0.00	2.50	1.25
11	G1	G	--do--	43	0	43	581	90123	0	90123	72098	0.002	200	225	0.76	0.012	145	0.64	99.35	99.45	99.50	99.60	98.30	97.63	1.20	1.97	1.59
12	G2	G	--do--	0	0	0	0	0	26325	26325	21060	0.001	200	225	0.76	0.012	25	0.11	99.60	99.45	99.70	99.60	98.50	98.37	1.20	1.23	1.22
13	G	STP	--do--	0	188	188	2538	394025	42995	437020	349616	0.012	400	570	0.76	0.049	25	0.04	99.45	99.45	99.60	99.60	97.00	96.96	2.62	2.64	2.63
14	STP	EXIST. Sewer		200mm i/d U.P.V.C. Pipe (By pumping from STP)									200	-	-	-	190	0.30	99.45	99.35	99.60	99.50	97.60	97.30	2.00	2.20	2.10

DESIGN CALCULATION OF STORM WATER DRAINAGE SCHEME

INTENCITY OF RAIN FALL = 0.006 MTR /HR

IMPERMEABILITY FACTOR = 0.6

S. No.	Name of Node		Area (Self)	Area (Self)	Branch Area	Total Area	Total Area	Rain fall	Discharge @ 17.36 LPS/ Hector	Length	Coverd Drain (Soucer)	Slope	Velocity	Cap. Of drain	Fall + Extra Fall	Ground Level		Formation Level		Invert Level		Depth of M.H's		Average Depth	Remarks
	From	To	IN SQM	In Acre	In Acre	In Acre	In Hector	mm / hr.	IN LPS	In Mtr	mm	In Mtr	IN m/sec	IN LPS	IN Mtr	Start	End	Start	End	Start	End	Start	End		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
1	A	A1/Exist.	2400	0.59	0	0.59	0.24	6.00	4.17	150	300 X 300	600	0.55	50.94	0.25	100.00	98.80	100.00	100.00	99.60	99.35	0.40	0.65	0.53	
2	B2	B1	1200	0.30	0	0.30	0.12	6.00	2.08	40	300 X 300	600	0.55	50.94	0.06	100.00	99.80	100.00	99.90	99.60	99.54	0.40	0.36	0.38	
3	B3	B1	1800	0.44	0	0.44	0.18	6.00	3.13	45	300 X 300	600	0.55	50.94	0.07	99.90	99.80	99.95	99.90	99.55	99.48	0.40	0.42	0.41	
4	B1	B/Exist.	6600	1.63	0.73	2.36	0.96	6.00	16.59	190	300 X 300	600	0.55	50.94	0.31	99.80	99.60	99.90	99.70	99.48	99.17	0.42	0.53	0.48	
5	C1	C/Exist.	6050	1.50	0	1.50	0.61	6.00	10.51	145	300 X 300	600	0.55	50.94	0.24	99.65	99.55	99.75	99.65	99.35	99.11	0.40	0.54	0.47	
6	D1	D/Exist.	6050	1.50	0	1.50	0.61	6.00	10.51	170	300 X 300	600	0.55	50.94	0.28	99.50	99.45	99.65	99.55	99.25	98.97	0.40	0.58	0.49	
7	E2	E1	6000	1.48	0	1.48	0.60	6.00	10.42	125	300 X 300	600	0.55	50.94	0.20	99.70	99.45	99.80	99.60	99.40	99.20	0.40	0.40	0.40	
8	E3	E1	4840	1.20	0	1.20	0.48	6.00	8.40	30	300 X 300	600	0.55	50.94	0.05	99.60	99.45	99.70	99.60	99.30	99.25	0.40	0.35	0.37	
9	E1	E/Exist.	7050	1.74	2.66	4.40	1.78	6.00	30.93	160	300 X 300	600	0.55	50.94	0.26	99.45	99.35	99.60	99.50	99.20	98.94	0.40	0.56	0.48	

MALL CONSULTING

HYDRAULIC STATEMENT OF WATER SUPPLY (IRRIGATION) RECYCLING OF TREATED SEWAGE WATER

SUBHEAD : IRRIGATION WATER SUPPLY SCHEME - DESIGN CALCULATION

S. No.	Line Reference		Type of Colony	Residential Plots			Population @ 13.50 Person per flat	Water Requirement @ 155.25 LPCD	Other Water Requirement i.e. Commercial, Community Centre / Anganwadi in LPD	Total Water Requirement in LPD	Water Requirement @ 33% of total water requirement	Peak Flow in LPH	Velocity (m/s)	Size of the pipe in (mm)	Total Friction Loss in M/M	Length in (M)	Loss of Head in Line (M)	Formation Level at Lower End	Available Head at Lower end (M)	Terminal Head (M)	Remarks
	From	To		Self	Branch	Total															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	STP	a	Plotted Resi.	-	188	188	2538	394025	42995	437020	144216	54081	0.43	150	0.003	25	0.08	99.60	144.52	44.92	Formation Level at STP = 99.60 M
2	a	b	--do--	4	141	145	1958	303902	16670	320572	105789	39670	0.38	150	0.002	40	0.08	99.65	144.44	44.79	Boosting Head = 45.00 M
3	b	c	--do--	2	96	98	1323	205396	16670	222066	73282	27480	0.29	150	0.001	45	0.05	99.75	144.39	44.64	Flushing Hydraulic Head at STP = 144.60 M
4	c	d	--do--	3	63	66	891	138328	14670	152998	50489	18933	0.24	150	0.001	45	0.05	99.80	144.34	44.54	
5	d	e	--do--	13	25	38	513	79643	14670	94313	31123	11671	0.24	150	0.001	60	0.06	99.90	144.28	44.38	
6	e	f	--do--	15	-	15	203	31438	14670	46108	15216	5706	0.31	100	0.002	185	0.37	100.00	143.91	43.91	
144	e	e1	--do--	10	-	10	135	20959	0	20959	6916	2594	0.16	100	0.001	50	0.05	99.95	144.22	44.27	
8	d	d1	--do--	25	-	25	338	52397	0	52397	17291	6484	0.20	100	0.001	115	0.12	99.70	144.22	44.52	
9	c	c1	--do--	30	-	30	405	62876	2000	64876	21409	8028	0.20	100	0.001	135	0.14	99.65	144.25	44.60	
10	b	b1	--do--	43	-	43	581	90123	0	90123	29740	11153	0.20	100	0.001	155	0.16	99.55	144.28	44.73	
11	a	a1	--do--	43	-	43	581	90123	0	90123	29740	11153	0.20	100	0.001	145	0.15	99.50	144.37	44.87	
12	a	a2	--do--	-	-	-	-	-	26325	26325	8687	3258	0.16	100	0.001	35	0.04	99.70	144.48	44.78	

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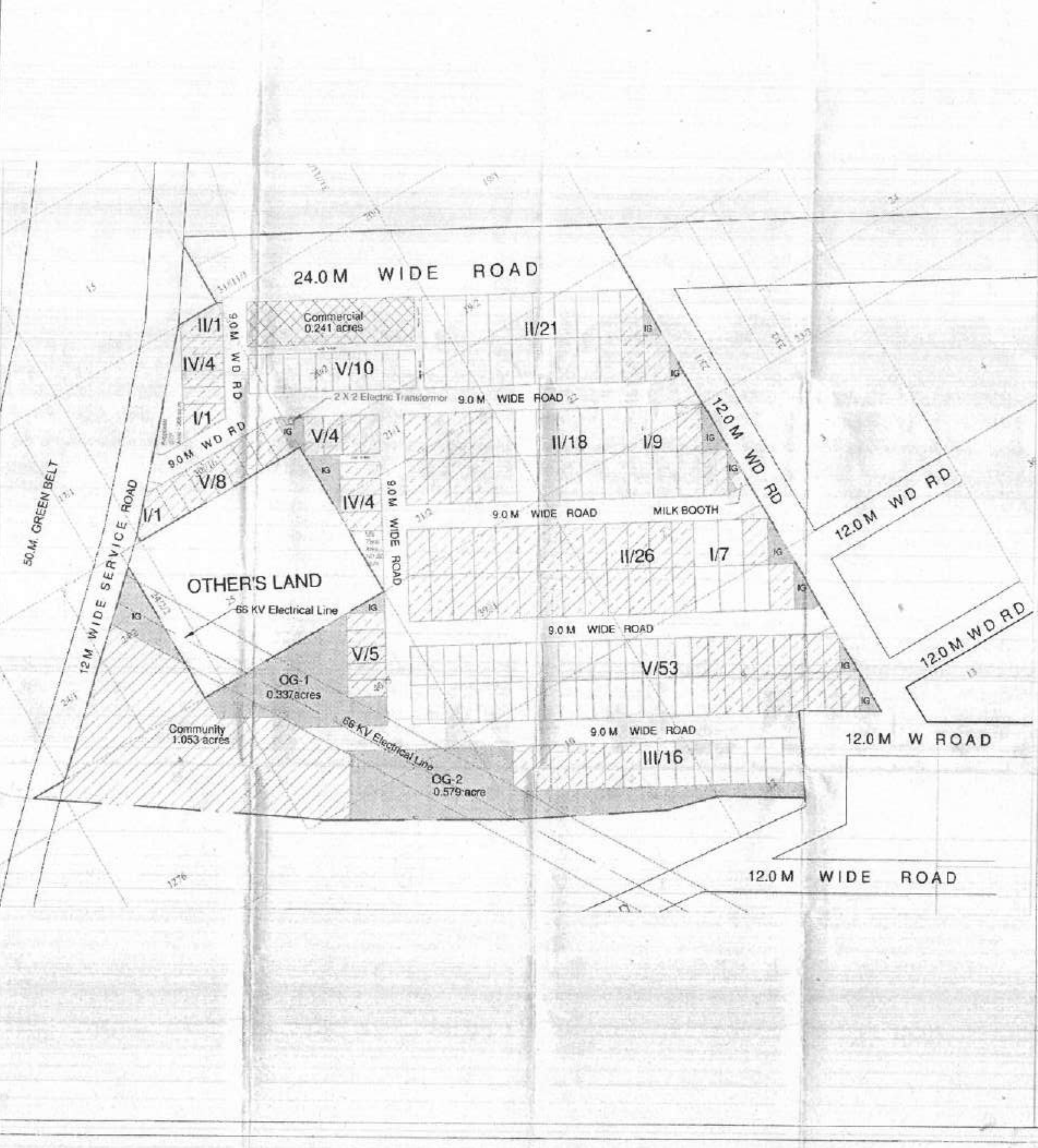


Layout Plan of Affordable Residential Plotted colony under Deen Dayal Jan Awas Yojna Policy 2016, over an Area Measuring 10.5 acres (through Migration Policy from their existing licence no. 149 of 2014 dated 04-09-2014 granted for land measuring 64.406 acres) in the revenue estate of village Bhatauli, Sector-20, Tehsil - Jagadhri, Dist. - Yamuna Nagar - M/s Ajitesh Buildcon Pvt. Ltd. & Others

Total area	= 10.50 acres
Area Under 12 m Wide Service Road	= 0.00899acre
50% Benefit of the 12 m Wide Service Road	= 0.00449 acre
Net Planned Area	= 10.5-0.00899+0.00449 = 10.4955 acre
Residential	= 5.07 acres (48.36%)
Commercial	= 0.241 acres (2.30%)
Community Facilities	= 1.053 acres (10.03%)
Green	= 1.179 acres (11.23%)
Saleable Area	= 5.3168 acres (50.66%)

LEGEND:

- Community Facilities
- Green
- Freeze Area
- Site Boundary
- Commercial

DETAILS OF PLOTS					FREEZED AREA PLOT DETAIL	
PLOT TYPE	SIZE (m)	AREA (Sq.m.)	Nos	AREA (sq.m.)	Nos	AREA (sqm.)
I	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
II	[illegible]	132.00	[illegible]	[illegible]	28	[illegible]
III	6.5 x 16.5	107.25	[illegible]	[illegible]	[illegible]	[illegible]
IV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
V	[illegible]	94.20	[illegible]	[illegible]	[illegible]	[illegible]
	Total		[illegible]	[illegible] sq.m. =5.07 Acres	[illegible]	[illegible] sqm. =2.540 Acres

Required Organised Green = 0.7871 acre (7.5%)

Proposed Organised Green

- OG-1 = 0.337 acre
- OG-2 = 0.579 acre
- Total = 0.337+0.579 = 0.916 acre (8.72%)

Total Population = 188 X 13.5 = 2538 Person

Proposed Density = 2538/10.4955 = 241.817 PPA

1 Milk & Vegetable Booths = 27.50 sq.m

PROJECT TITLE: SUNCITY PLOTTED SCHEME, JAGADHRI, YAMUNA NAGAR

SCALE: 1:1000

SHEET TITLE: LAYOUT PLAN

SPONSORED BY:

Ansal Housing & Constructions Ltd. in collabaration with Ajitesh Buildcon Pvt. Ltd. & Others

LGF-10, VASANT SQUARE MALL, PLOT-A, SECTOR-B, POCKET-V, COMMUNITY CENTERS, VASANT KUNJ, NEW DELHI -110070

OWNER:

FOR ANSAL HOUSING & CONSTRUCTION LTD.

NAVEEN GAUTAM

AUTHORISED SIGNATORY

ARCHITECT & TOWN PLANNER

Shashank Patil

Architect & Town Planner

Directorate of Town & Country Planning, Haryana

SCO-71-75, 2nd Floor, Sector-17-C, Chandigarh, Phone: 0172-2549349
Web site tcpharyana.gov.in - e-mail: tcpharyana7@gmail.com

FORM LC -V
(See Rule 12)

Licence No. 53 of 2019

This Licence has been granted under the Haryana Development and Regulation of Urban Areas Act, 1975 & the Rule 1976, made there under to Ajitesh Buildcon Pvt. Ltd. and Purender Buildcon Pvt. Ltd. in collaboration with Ansal Housing & Construction Ltd., C/o 15, UGF, Inderprakash Building, 21, Barakhamba Road, New Delhi-110001 for setting up of affordable residential plotted colony under Deen Dayal Jan Awas Yojna-2016 over an area measuring **10.50 acres** (after migrating from part of license No. 149 of 2014 dated 05.09.2014 under migration policy dated 18.02.2016) falling in the revenue estate of village Bhatauli, Sector 20, Yamuna Nagar.

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, 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/building plan and development works will be executed in accordance to the designs and specifications shown in the approved plans, which will be submitted for approval within three months from issuance of the license in the office of competent authority.

   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 the Rules 1976 made there under are duly complied with.

   c. That the licencee 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 free of cost 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.

   d. That the licencee shall integrate the services with Haryana Shahari Vikas Pradhikaran services as and when made available.

   e. That the licencee will transfer 10% area of the licenced colony free of cost to the Government for provision of community facilities. This will give flexibility to the Director to work out the requirement of community infrastructure at sector level and accordingly make provisions. The said area will be earmarked distinctly on the layout plan to be approved alongwith the license.

   f. That the licencee shall construct and transfer the land of sector road/green belt which forming the part of licenced land free of cost to the Govt. in accordance with the provisions of Section 3(3)(a)(iii) of the Haryana Development and Regulation of Urban Areas Act, 1975.

   g. That development/construction cost of 24 m/18 m major internal roads is not included in the EDC rates and company 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.

Director
Town & Country Planning
Haryana, Chandigarh

h. That the licencee 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.

i. That the licencee shall make arrangements for water supply, sewerage, drainage etc. to the satisfaction of DTCP till these services are made available from External Infrastructure to be laid by Haryana Shahari Vikas Pradhikaran.

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

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

l. That the provision of solar water heating system shall be as per guidelines of Haryana Renewable Energy Development Agency and shall be made operational where applicable before applying for an Occupation Certificate.

m. That the licencee shall use only LED fitting for internal lighting as well as campus lighting.

n. That the licencee 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.

o. 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 non 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 sq ft to the allottees while raising such demand from the plot owners.

p. That pace of development shall be kept at-least in accordance with sale agreement executed with the buyers of the plots as and when scheme is launched.

q. That the licencee 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 licencee 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.

r. That the licence shall be valid initially for five years, which will be renewable further upto two years in accordance to the provision of Act No. 8 of 1975. Since, no further renewal will be allowed thereafter, hence, the project necessarily will have to be completed within a period of 7 years from the date of grant of licence, after getting the licence renewed, as per clause 1(ii) of the policy notified on 01.04.2016.

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

t. That compliance of Rule 24, 26, 27 & 28 of Rules 1976 & Section 5 of Haryana Development and Regulation of Urban Areas Act, 1975 shall be made and account number and full particulars of the scheduled bank wherein company has to deposit thirty percentum of the amount received from the plot holders for meeting the cost of internal Development Works in the colony, shall be informed.

u. That the licencee shall not give an advertisement before approval of zoning/ layout/building plan.

v. That licencee shall 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.

w. That licencee shall abide by the terms and conditions of the policy notified on 01.04.2016, 18.02.2016 and subsequent amendment.

x. That the provisions of the Real Estate (Regulation and Development) Act, 2016 and rules framed there under shall be followed in letter and spirit.

y. That 50% of the saleable area, freezed in the approved layout plan, shall only be sold after completion of all development works in the colony as per provisions of 5(i) of the policy dated 01.04.2016.

3. The licence is valid up to 06/03/2024.

Dated: 07/03/2019.
Place: Chandigarh

(K. Makrand Pandurang, IAS)
Director, Town & Country Planning
Haryana, Chandigarh

Endst. No. LC-3663- Asstt. (MS)-2019/ 6850 Dated: 08-03-2019

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

1. Ajitesh Buildcon Pvt. Ltd. and Purender Buildcon Pvt. Ltd. in collaboration with Ansal Housing & Construction Ltd., C/o 15, UGF, Inderprakash Building, 21, Barakhamba Road, New Delhi-110001 alongwith a copy of agreement, LC-IV B, Bilateral agreement & layout plan.
2. Chairman, Pollution Control Board, Haryana, Sector-6, Panchkula.
3. Chief Administrator, HSVP, Panchkula.
4. Managing Director, HVPN, Planning Directorate, Shakti Bhawan, Sector-6, Panchkula.
5. Joint Director, Environment Haryana - Cum-Secretary, SEAC, Paryavaran Bhawan, Sector - 2, Panchkula.
6. Addl. Director Urban Estates, Haryana, Panchkula.
7. Administrator, HSVP, Panchkula.
8. Superintending Engineer, HSVP, Panchkula along with a copy of agreement.
9. Land Acquisition Officer, Panchkula.
10. Senior Town Planner, Panchkula.
11. District Town Planner, Yamuna Nagar along with a copy of agreement, layout plan.
12. Chief Accounts Officer of this Directorate.
13. Project Manager (IT) to update this licence on the website.

(Vijender Singh)
District Town Planner (HQ)
For Director, Town & Country Planning
Haryana Chandigarh

To be read with License..53.. Dated..07/03..of 2019

1. Ajitesh Buildcon Private Limited

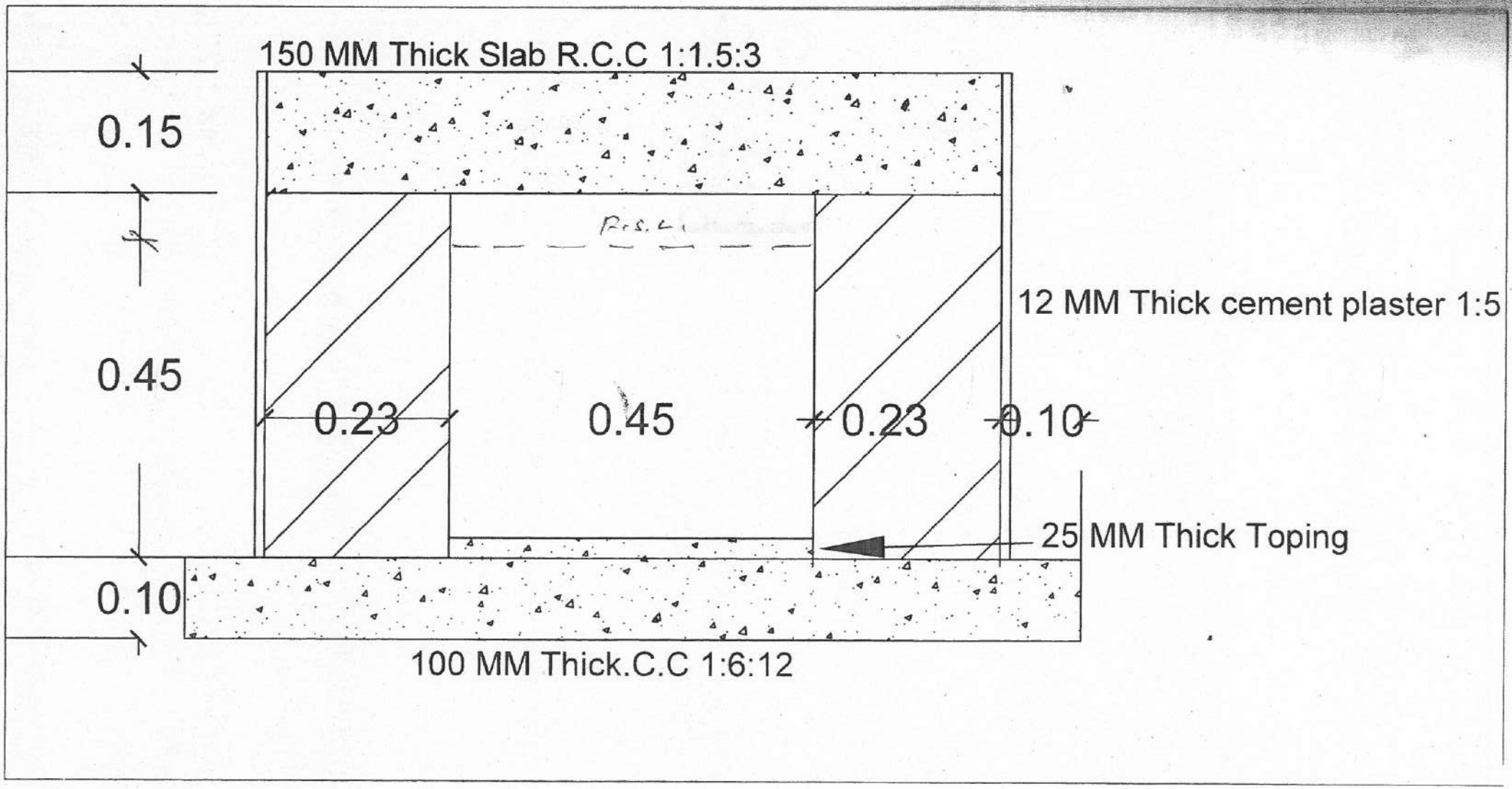
Village	Rect No	Killa No	Total Area K – M	AreTaken K - M
Bhatauli	30	16	8-0	5-3
		24/1	4-0	1-0
		24/2/1	3-0	2-2
	31	21/1	3-2	3-2
		11/1	2-15	1-6
		20 /2	7-17	7-17
			Total	20-10

2.Purander Buildcon Private Limited

Village	Rect No	Killa No	Total Area K-M	Area Taken K-M
Bhatauli	31	19/2	4-7	4-7
		21/2	4-18	4-18
		22	8-0	8-0
	39	1	8-0	8- 0
		2	8-0	8 -0
		9	8-0	8 - 0
		10	6-14	6 -14
		12	1-2	1- 2
	40	4	4-8	4-7
		5	8-0	8- 0
		6	2 -2	2-2
			Total	63-10

Grand Total= 84 Kanal - 0 Marla
or 10.50 Acres

Director,
Town & Country Planning
Haryana
Team Patauli


150 MM Thick Slab R.C.C 1:1.5:3
0.15
0.45
0.23
0.45
0.23
0.10
12 MM Thick cement plaster 1:5
25 MM Thick Toping
0.10
100 MM Thick.C.C 1:6:12

YAMUNA NAGAR JAGADHRI

REVISED DRAFT DEVELOPMENT PLAN FOR CONTROLLED AREAS 2021 AD (FOR CONTROLLED AREAS DECLARED ON 28-5-65 & 1-7-1997 UNDER SECTION 5(4) OF ACT , NO. 41 OF 1963.)

LEGEND

- CONTROLLED AREA BOUNDARY
- ADDITIONAL CONTROLLED AREA BOUNDARY
- JAGADHRI RAILWAY WORKSHOP BOUNDARY
- MUNICIPAL BOUNDARY/EXTENDED MUNICIPAL BOUNDARY
- EXISTING ROADS (MAJOR/MINOR)
- PROPOSED ROADS
- EXISTING KATCHA RASTAS
- EXISTING TOWN AND VILLAGE ABADI
- RAILWAY LINE /RAILWAY STATION
- WATER BODIES

LAND USE PROPOSALS

MAIN CODE	SUB CODE	LAND USE
100		RESIDENTIAL
200		COMMERCIAL
	210	RETAIL TRADE
	220	WHOLE-SALE TRADE
	230	WARE HOUSING AND STORAGE
300		INDUSTRIAL
	320	LIGHT INDUSTRY
	330	MEDIUM INDUSTRY
	340	HEAVY INDUSTRY
400		TRANSPORT & COMMUNICATION
	410	RAILWAY SIDING
	420	ROADS, ROAD TRANSPORT DEPOT
	440	TELEGRAPH OFFICES, TELEPHONE EXCHANGE
500		PUBLIC UTILITIES
	510	WATER SUPPLY INSTALLATIONS INCLUDING TREATMENT PLANTS
	520	DRAINAGE AND SANITARY INSTALLATIONS INCLUDING DISPOSAL WORKS.
	530	ELECTRIC POWER PLANTS,GRID SUB- STATIONS ETC.
600		PUBLIC & SEMI PUBLIC USES
	610	GOVERNMENT ADMINISTRATIVE CENTRES , SECRETARIATE, DISTRICT OFFICE, LAW COURTS, JAILS AND POLICE STATIONS AND OTHER INSTITUTIONS .
	620	EDUCATIONAL , CULTURAL & RELIGIOUS INSTITUTIONS
	630	MEDICAL & HEALTH INSTITUTIONS
700		OPEN SPACES
	710	SPORTS GROUNDS, STADIUM AND PLAY GROUNDS
	720	PARKS
	750	QUEUE SHELTER
800		AGRICULTURAL ZONE
		SECTOR NO AND DENSITY (17 / 250)

NOTE:- ADDITIONAL CONTROLLED AREA BOUNDARY PUBLISHED VIDE NOTIFICATION NO. CCP/JCA-I/97/468 DT. 29-5-97 PUBLISHED IN THE HARYANA GOVT. GAZZETE ON 1-7-1997.

THIS DRG. HAS BEEN PUBLISHED VIDE NOTIFICATION NO. CCP(NCR) YCA-1/RDD P/2006/3588 DT. 7.12.2006 IN HARYANA GOVT. GAZZETE ON 7-12-2006.

SCALE : 1:31400 (IN ORIGINAL DRG. ONLY)

N

DRAWN BY

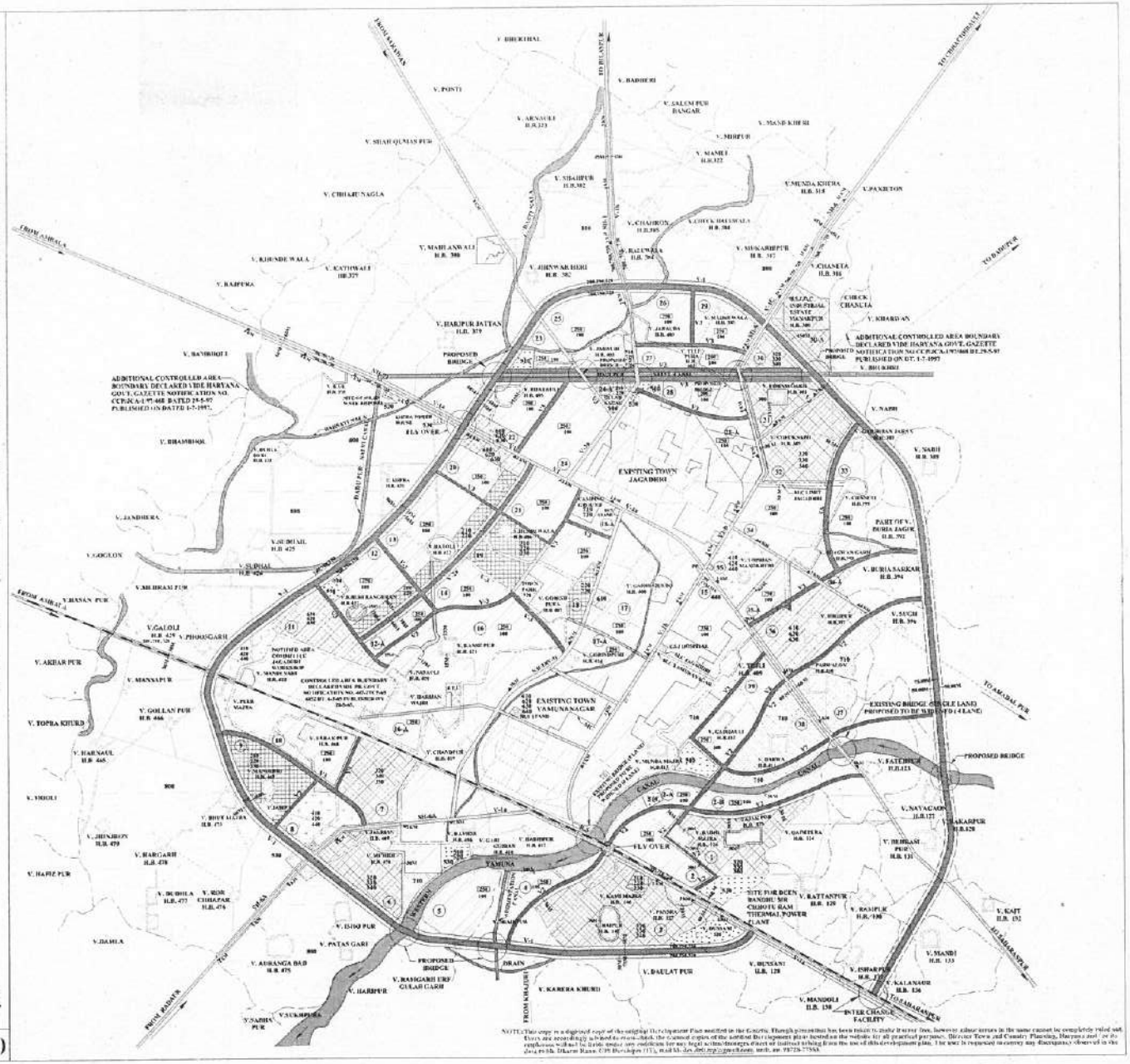
DISTRICT TOWN PLANNER

(DS SHAG)
SENIOR TOWN PLANNER,
PANCHKULA.

(SB VERMA)
CHIEF CO-ORDINATOR PLANNER,
N.C.R. HARYANA , PANCHKULA.

(SS DHILLON)
DIRECTOR,
TOWN AND COUNTRY PLANNING, HARYANA ,
CHANDIGARH.

DEPTT. OF TOWN & COUNTRY PLANNING. (HARYANA.)



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हरियाणा शहरी विकास प्राधिकरण
HARYANA SHEHRI
VIKAS PRADHIKARAN

Address: C-3, HSVP , HQ Sector-6
Panchkula

C.E.II-No.
Dated:

Annexure-A

SUB:- Approval of service plan/estimates of affordable plotted colony (under Deen Dyal Jan Awas Yojna-2016) on the land measuring 10.50 acres being developed by M/S. Ajitesh Buildcon Pvt. Ltd. falling in the revenue estate of Village Bhatauli Sector-20, Tehsil Jagadhari Distt. Yamuna-Nagar (License No. 53 of 2019 dated 07.03.2019).

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 Haryna 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.

SF1.

SE (W)

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हरियाणा शहरी विकास प्राधिकरण

HARYANA SHEHRI
VIKAS PRADHIKARAN

Address: C-3, HSVP , HQ Sector-6
Panchkula

C.E. No:

Dated:

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.

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.

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.

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.

Superintending Engineer (W),
For Chief Administrator, HSVP,
Panchkula