

FORM LC -V
(See Rule 12)
HARYANA GOVERNMENT
TOWN AND COUNTRY PLANNING DEPARTMENT

Licence No. 49 of 2017

This Licence has been granted under the Haryana Development and Regulation of Urban Areas Act, 1975 & the Rule 1976, made there under to Sh. Ravinder Yadav S/o Sh. Rajinder Yadav, RRD Developers, Sh. Deepak Yadav S/o Sh. Rajinder Yadav in collaboration with RRD Developers for setting up of AFFORDABLE RESIDENTIAL PLOTTED Colony under Deen Dayal Jan Awas Yojna-2016 on the land measuring 7.01875 acres in Sector-3, Farukhnagar, District Gurugram.

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:
 - (i) 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.
 - (ii) 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 thereunder are duly complied with.
 - (iii) That you shall maintain and upkeep of all roads, open spaces, public park and public health services for a period of five years from the date of issue of the completion certificate unless earlier relieved of this responsibility and thereupon to transfer all such roads, open spaces, public parks and public health services 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
 - (iv) That you shall integrate the services with Haryana Urban Development Authority services as and when made available.
 - (v) That you have not submitted any other application for grant of license for development of the said land or part thereof for any purpose under the provisions of the Haryana Development and Regulation of Urban Areas Act, 1975 or any application seeking permission for change of land use under the provision of the Punjab Scheduled Roads and Controlled Area Restrictions of Unregulated Development Act, 1963.
 - (vi) That you shall 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 workout 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.
 - (vii) That you understand that the development/construction cost of 24 m/18 m major internal roads is not included in the EDC rates and 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.
 - (viii) That you shall obtain NOC/Clearance as per provisions of notification dated 14.09.06 issued by Ministry of Environment & Forest, Govt. of India, if applicable before execution of development works at site.
 - (ix) That you 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 Urban Development Authority.


D.T.C.P. (Hr.)

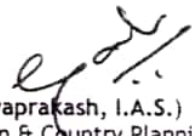
(vii)

- (x) That you shall obtain clearance from competent authority, if required under Punjab Land Preservation Land Act, 1900 and any other clearance required under any other law.
- (xi) That the rain water harvesting system shall be provided as per Central Ground Water Authority Norms/Haryana Govt. notification as applicable.
- (xii) That the provisions 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.
- (xiii) That you shall use only LED fitting for internal lighting as well as campus lighting.
- (xiv) That you shall convey the 'Ultimate Power Load Requirement' of the project to the concerned power utility, with a copy to the Director, within two months period from the date of grant of license to enable provision of site in licensed land for Transformers/Switching Stations/Electric Sub Stations as per the norms prescribed by the power utility in the zoning plan of the project.
- (xv) 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 sft to the allottees while raising such demand from the plot owners.
- (xvi) That you shall keep pace of development atleast in accordance with sale agreement executed with the buyers of the plots as and when scheme is launched.
- (xvii) That you shall arrange power connection from UHBVNL/DHBVNL for electrification of the colony and shall install the electricity distribution infrastructure as per the peak load requirement of the colony for which licensee shall get the electrical (distribution) service plan/estimates approved from the agency responsible for installation of external electric services i.e. UHBVNL/DHBVNL and complete the same before obtaining completion certificate for the colony.
- (xviii) 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.
- (xix) That no clubbing of residential plots for approval of integrated zoning plan of two adjoining plots under same ownership shall be permitted.
- (xx) That you will pay the labour cess as per policy instructions issued by Haryana Government vide Memo No. Misc. 2057-5/25/2008/2TCP dated 25.02.2010.
- (xxi) That you shall submit compliance of Rule 24, 26, 27 & 28 of Rules 1976 & Section 5 of Haryana Development and Regulation of Urban Areas Act, 1975, and shall inform account number and full particulars of the scheduled bank wherein you have to deposit thirty percentum of the amount received from the plot holders for meeting the cost of Internal Development Works in the colony.
- (xxii) That no further sale of the licence applied land has taken place after submitting application for grant of licence.
- (xxiii) That you shall not given any advertisement for sale of plots/commercial area before the approval of layout plan.
- (xxiv) That no provision of the Haryana Ceiling on Land Holding Act, 1972 has been violated due to purchase of applied land.
- (xxv) That you shall abide by the terms & conditions of the policy notified on 01.04.2016.

(xxvi) That the provisions of the Real Estate (Regulation and Development) Act, 2016 and rules framed thereunder shall be followed by the applicant in letter and spirit.

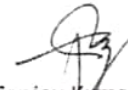
3. That the 50% saleable area in the layout plan, to be issued alongwith the license alongwith revenue detail, which is to be freezed as per clause 5(i) of the policy dated 01.04.2016. The area so freezed shall be allowed to sell only after completion of all Internal Development Works in the colony.
4. The licence is valid up to 16/07/2022.

Dated: The 17/07/2017.
Chandigarh


(T.L. Satyaprakash, I.A.S.)
Director, Town & Country Planning
Haryana, Chandigarh
Email: tcpharyana5@gmail.com

Endst. No. LC-3259- PA (SN)-2017/ 17461 Dated: 21/7/17
A copy along with a copy of schedule of land is forwarded to the following for information and necessary action: -

1. Sh. Ravinder Yadav S/o Sh. Rajinder Yadav, RRD Developers, Sh. Deepak Yadav S/o Sh. Rajinder Yadav in collaboration with RRD Developers, Village Tikri, Sector 48, Sohna Road, P.O. South City-II, Opposite Universal Trade Tower, Gurugram - 122001 alongwith a copy of agreement, LC-IV B, Bilateral agreement & layout plan.
2. Chairman, Pollution Control Board, Haryana, Sector-6, Panchkula.
3. Chief Administrator, HUDA, Panchkula.
4. Chief Administrator, Housing Board, Panchkula alongwith copy of agreement.
5. Managing Director, HVPN, Planning Directorate, Shakti Bhawan, Sector-6, Panchkula.
6. Joint Director, Environment Haryana -Cum-Secretary, SEAC, Paryavaran Bhawan, Sector -2, Panchkula.
7. Addl. Director Urban Estates, Haryana, Panchkula.
8. Administrator, HUDA, Gurugram.
9. Chief Engineer, HUDA, Panchkula.
10. Superintending Engineer, HUDA, Gurugram along with a copy of agreement.
11. Land Acquisition Officer, Gurugram.
12. Senior Town Planner, Gurugram alongwith layout plan.
13. Senior Town Planner (E&V), Haryana, Chandigarh.
14. District Town Planner, Gurugram along with a copy of agreement and layout plan.
15. Chief Accounts Officer O/o DTCP, Haryana, Chandigarh along with a copy of agreement.
16. Nodal Officer (Website) to update the status on the website.


(Sanjay Kumar)
District Town Planner (HQ)
For Director, Town & Country Planning
Haryana Chandigarh

Detail of land owned by Ravinder Yadav S/o Rajinder Yadav

Village	Rect No	Killa No	Area (K-M-S)
Farukh Nagar	47	3/2	7-19
		4	8-0
		5/1	0-18
		10/2	2-16
		11/1	4-0
		2/2/11	1-1
		Total	24-14

Detail of land owned by RRD Developers

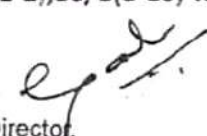
Village	Rect No	Killa No	Area (K-M-S)
Farukh Nagar	47	19/1	2-13
		11/2	4-0
		20/1/1	1-2
		Total	7-15

Detail of land owned by Deepak Yadav S/o Rajinder Yadav

Village	Rect No	Killa No	Area (K-M-S)
Farukh Nagar	47	9	6-18
		10/1	5-4
		12	8-0
		13/1	2-12
		1/3	1-0
		Total	23-14

Grand Total 56K-3M OR 7.01875 Acres

Note:-Killa No 47//1/3(1-0),2/2/11(0-14-7),3/2(0-11),9(1-2),10/1(1-10) total
4K-17M-7S is under mortgage


Director,
Town & Country Planning
Haryana
(RAGHBIR SINGH)

**M/S RRD DEVELOPERS
AFFORDABLE RESIDENTIAL PLOTTED COLONY
UNDER DEEN DAYAL JAN AWAS YOJNA AT
SECTOR-3, DISTT. GURUGRAM**

SERVICE PLAN ESTIMATE

ARCHITECT:

AD CONSULTANTS

SCO- 50 & 51, Pamami Tower, 3rd Floor, Old Judicial Complex, Civil Lines, Gurgaon,
Tel (+91-124)4081801-02 Fax: - 4084084, Email: - adconsultants13@gmail.com

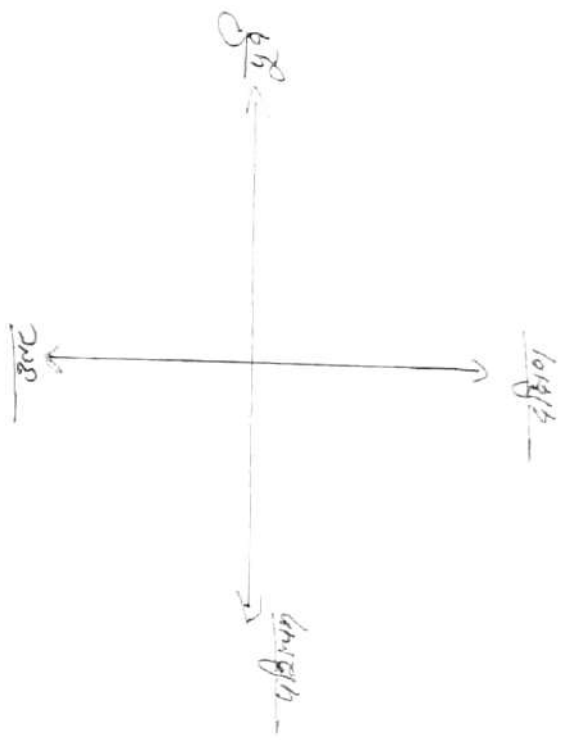
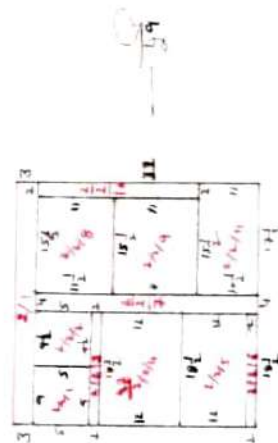
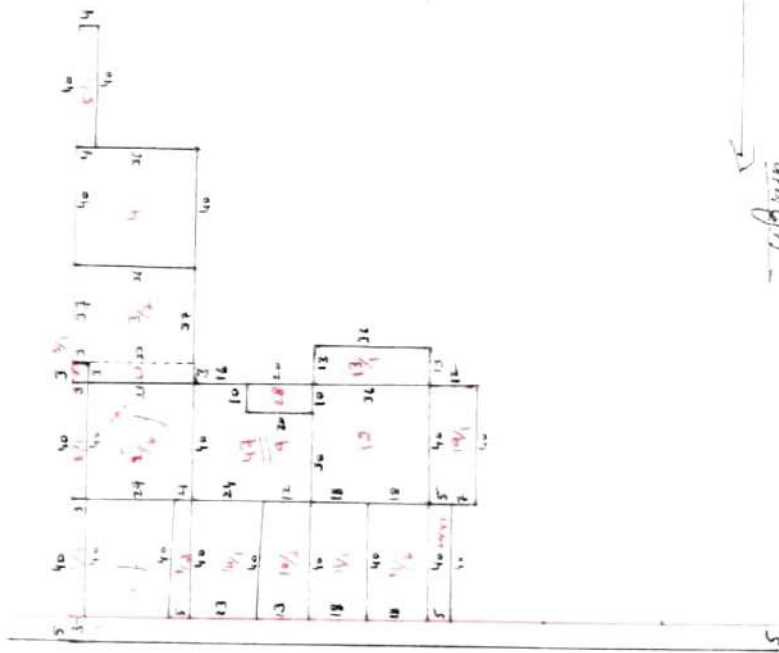
SERVICE CONSULTANT:

MKG ENGINEERING SERVICES PVT. LTD.

First Floor, A-8, Paryavaran Complex,
IGNOU Road, New Delhi-30

1362 2B-H (58901-10684-10688) 1101H 1401H 1301H 1201H 1101H 1001H 901H 801H 701H 601H 501H 401H 301H 201H 101H 01H
 1362 2B-H (58901-10684-10688) 1101H 1401H 1301H 1201H 1101H 1001H 901H 801H 701H 601H 501H 401H 301H 201H 101H 01H

(7666-10130-10684-10688)



1362 2B-H (58901-10684-10688) 1101H 1401H 1301H 1201H 1101H 1001H 901H 801H 701H 601H 501H 401H 301H 201H 101H 01H

length

length

length

PROJECTS

M/S RRD DEVELOPERS, AFFORDABLE RESIDENTIAL PLOTTED COLONY UNDER DEEN DAYAL JAN AWAS YOJNA AREA MEASURING 7.01875 ACRES, VILLAGE FARRUKHNAGAR AT SECTOR-3, DISTT. GURUGRAM

SUBJECTS

PROJECT REPORT / ESTIMATES FOR PROVIDING EXTERNAL SERVICES (WATER SUPPLY, FIRE, SEWERAGE & STORM WATER DRAINAGE AND GARDEN HYDRANT)

Farrukhnagar is a Town and Municipality in Gurugram District of Haryana State, India. Farrukhnagar is located at 28.45°N 76.82°E. It has an average elevation of 223 metres (731 feet). Farrukhnagar became a municipality in 1967. It is one of the nine administrative blocks of Gurugram District situated 21 kilometres (13 mi) from Gurugram and shares its border with Jhajjar District Farrukhnagar Tehsil is part of Ahirwal Region.

Established in 1732 by Faujdar Khan, the first Nawab of Farrukhnagar and a governor of Mughal Emperor (1713–1719) Farrukhsiyar in 1732, Today, Mughal era monuments such as Sheesh Mahal, Baoli and Jama Masjid built Faujdar Khan are popular visitor attractions. The Town is connected to Garhi Harsaru, south of Gurugram, by railway line. The Sultanpur National Park is situated in Farrukhnagar block on Gurugram Road. Pataudi Palace, 12 kilometres (7.5 mi) from the town, is the nearest palace.

Water Supply

1. Source

The source of water supply in this area is tube well as underground water is sweet and fit for human consumption, moreover, the water is available at reasonable depth, the average yield of Tube wells, with approximate 60 ' to 80 metre depth will be about 15 KL per hour. 2 Nos. Tube wells are required to meet with the daily requirement of water.

2. Tube wells

The proposed tube wells shall be 510 mm bore drilled with reverse rotary rig and installed with 80 mm i/d housing pipe and 50 mm i/d slotted tube as strainer. The provision taken in the estimate under the sub-head tube well includes the cost of pea gravel packing. The lift of tube well is limited due to incrustation and rusting of strainer. Therefore, out of these tube wells the drilling of tube wells will be done for 2 Nos. tube wells and further tube wells will be drilled as the demand develops till the scheme is handed over the department.

3. Pump Chambers and Pumping Machinery

It is proposed to occupy each tube well with an electricity driven pumping set-submersible pump capable of delivering about 15,000 Liters per hour. It has been proposed to install pumping set as described with standby of equal capacity.

4. Ground Storage

Underground storage tank for 0.6 of One day total demand of water supply have been proposed at one location in the scheme. The same shall be fed by Tube well at present and shall be later augmented through HUDA mains canal supply at later date.

For RRD DEVELOPERS

Ravi Kumar Singh
Partner



6. **Distribution System**

The distribution system for this development is has been designed for 172.5 Liters per person per day @3.0 times the average rate of flow on "Hazen Williams" formula with C-100. Necessary provision for laying C.I./D.I. pipes only conforming to relevant IS standards along with valves and specials has been made in this Estimate.

7. **Rising Main**

Rising mains from HUDA water main on sector road to water works have also been designed and provision for C.I. (class LA)/DI KA pipe line has been made in this estimate

8. **Sewerage**

The internal sewer lines have also been designed for three times average D.W.F in relation to water supply demand. It has been assumed that about 90 % of the domestic water supply shall find its way into the proposed sewer. All the SW / RCC pipes, sewer has been designed to run half/full/three fourth full.

Necessary design statement for entire internal sewerage system has been prepared and attached with estimate.

Necessary provision for laying SW/RCC pipes sewer lines and manholes etc. has been made in this estimate.

9. **Storm water drainage**

It has been proposed to lay underground RCC pipe drains on the road widths 40 ft. and above where it is possible to lay underground drains. The intensity of rain fall has been taken as 1/4th inch per hour. The internal storm water drains will be jointed into external storm water drainage to be laid by HUDA on sector dividing roads. Necessary provision for curves and channels has been made in the estimate. The estimate for these closed drains has been included as sub work no. III A minimum size of 400 mm RCC storm water line will be provided.

10. **Specifications**

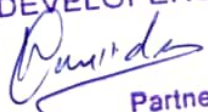
The work will be carried out in accordance with the standard specifications of P.H. as laid down by the Haryana Government.

11. **Roads**

Cost of road has been taken in the estimate

12. **Street Lighting**

Provision for street lighting on surrounding area has been made.

For RRD DEVELOPERS

Partner



13. Horticulture

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

14. Specifications

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

15. Rates

The estimate has been based on the present market rates and probable escalation in prices.

16. Cost

The total cost of the Scheme including cost of all services works out to Rs. ~~593.74~~ lakhs including 3% contingencies and 49% departmental charges, price escalation 622.81

- Jan, Unforseen, Return.

For RRD DEVELOPERS

Ravi Kumar Singh
Partner



**PROJECT: AFFORDABLE RESIDENTIAL PLOTTED COLONY UNDER DEEN DAYAL JAN AWAS YOJNA
AREA MEASURING 7.01875 ACRES, VILLAGE FARRUKHNAGAR AT SECTOR-3, DISTT. GURUGRAM
FOR M/S RRD DEVELOPERS**

SUBJECT: FINAL ABSTRACT OF COST

		Amount in Rs. Lacs
SUB WORK NO. I	WATER SUPPLY SCHEME	153.88 159.09
SUB WORK NO.	SEWERAGE SCHEME	84.63 76.09
SUB WORK	STORM WATER DRAINAGE	66.37 64.07
SUB WORK	ROADS & FOOT PATHS	116.71 105.93
SUB WORK NO.V	STREET LIGHTING	✓ 26.93 ✓
SUB WORK NO.	HORTICULTURE (PLANTATION & ROAD SIDE TREES)	3.70 3.14
SUB WORK NO. VII	MTC CHARGES INCL RESURFACING OF ROADS AFTER 1st 5 YEARS	170.59 158.48
	TOTAL	<u>632.81</u> 593.74

TOTAL : (Rupees Five Crores Ninety Three Lacs and Seventy Four Thousand Only)/-

OR $593.74/7.01875=84.593/AC$
632.81 88.73

Say Rs ~~84.60~~ Lacs Per Acre
88.73

AUTHORISED SIGNATORY

Roney
Executive Engineer
HSVP Division No. IV
Gurugram



For RRD DEVELOPERS

Punide
Partner

U/S
M
2

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

[Signature]
Superintending Engineer (HQ)
for Chief Engineer 1 HSVP
Panchkula

[Signature]
Superintending Engineer
HSVP Circle-II, Gurugram

[Signature]
Addl. Chief Engineer
HSVP, Gurugram

IV. PUMPING MACHINERY FOR TUBEWELLS				
(a)	Gross Working Head		70	Meters
(b)	Average fall in S.L.		2	Meters
(c)	Depression Head		6	Meters
(d)	Friction loss in main		10	Meters
	Total		88	Meters
(e)	Discharge		15000	LPH
(f)	Horse Power		14.30	HP
	HP = (15000 X 88 X 1)/(60 X 60 X 75 X 0.6)			
	Say		17.00	HP
			10.0	
V. UNDER GROUND				
(a)	Total water demand (Daily for Domestic purposes)		220	m ³ /day
(b)	Proposed 2x75 m ³ capacity of underground tanks (Raw + Domestic) for domestic use. (One day Storage)		150	m ³
	25+33%=58% say 60% of 220kl=132 kl say 150kl			
	for fire static water required =100* 1.73=173 kl say 150kl		150	
	TOTAL		300	m ³
VI. (A) BOOSTING MACHINERY (Water Supply Pumps) Domestic				
(a)	Daily Domestic Water Demand		220	m ³ /day
(b)	Discharge per hour @ 8 hr. pumping / day		27.50	m ³ /hour
	Say		460.0	LPM
(c)	No. of Working pump		2.0	
(d)	Proposed Pump discharge (Working)		230.00	LPM
	Say		360.00	LPM
			250	
	Gross Working Head			
(a)	Suction lift - positive suction		5	Meters
(b)	Frictional Loss in Mains & Specials		7	Meters
(c)	Max Clear Head required		18	Meters
	Total		30	Meters
			40	
(g)	H.P. of each pump required		3.69	HP
	Pump H.P.		4.00	HP
	Say		5.00	



230 x 40
60 x 75 x 0.6

For RRD DEVELOPERS

Partner

VI. (B) BOOSTING MACHINERY (Flushing & Garden Supply Pumps from STP)				
(a)	Daily Flushing & Horticulture Water Demand.			m ³ /day
(b)	Discharge per hour @ 8 hr. pumping / day	110 + 15	115	m ³ /hour
(c)	No. of Working pump		1	LPM
(d)	Proposed Pump discharge (Working)		234.58	LPM
	Say		240	LPM
			260	LPM
	Gross Working Head			
(e)	Suction lift – positive suction			Meters
(f)	Frictional Loss in Mains & Specials			Meters
(g)	Max Clear Head required			Meters
	Total	240 + 40 = 280	305	Meters
(h)	H.P. of each pump required (Pump H.P.)		2.89	HP
	Say		3	HP
VII. GENERATING SETS				
1	HP of Tube well pump		10.00	
2	HP of Domestic water supply Pump	2.55	17.00	
3	HP of Flushing & Garden hydrant water supply Pump		8.00 - 10	
	Total	30 x 0.748 x 1.50 = 33.57	30	HP
	in KVA	10.2	20.29	KVA
	SAY	43.57	30	KVA

For RRD DEVELOPERS
Pavithra
 Partner



Capacity of STP - 330 x 0.75 = 247.50 m
 say 250 m

SUB WORK No. 1 (Abstract of Cost)		Water Supply & Fire Fighting	
1	Sub Head No. 01	Head Works	Rs. 3,714,250 44.83
2	Sub Head No. 02	Pumping Machinery	Rs. 2,660,000 15.50
3	Sub Head No. 03	Rising Main	Rs. 410,950 4.14
4	Sub Head No. 04	Distribution System Dom. Sd. Flushing Water	3,581,250 35.18
		TOTAL 100.28	Rs. 10,366,450
		Add 3% contingencies & PH Charges 3.00	Rs. 310,993.50
		TOTAL 50.60	Rs. 10,677,444
		Add 49% Departmental charges + Price escalation 153.88	Rs. 5,231,947.32
		TOTAL	Rs. 15,909,391
		Say in lacs 153.88	159.09

For RRD DEVELOPERS

Pawande
Partner



Sub Work No. 1
Sub Head No. 01

Water Supply & Fire Fighting
Tubewells & Accessories

Amount in Rs.

1. Boring and installing tube well with reverse Rotary Rig
Complete with pipe and strainer to a depth of about 120 meter in all respect
~~2~~ Nos. For overall 7 Acre Site Area
Total - ~~2~~ No. @ Rs. 1000,000/- each. 10.00
Rs. 2,000,000.00
2. Provision for rising mains, connecting tube wells with UGT Tanks including Valve & NRV
a) 80 mm dia - 16 m @ Rs. 950/- ~~1350~~ 0.20
Rs. 14,250.00
3. Providing Tube well Submersible Pumps :
Capacity 15000 LPH at 88 M head, ~~2~~ Nos. @ Rs. 200,000/-each Rs. 400,000.00
4. Construction of UG Tanks 300 KL @ Rs. 3500/KL +7500
Rs. 1,050,000.00
incl. 150 KL for fire reserve & 7500 for flushing near STP
5. Provision of Construction of Tube well Chambers of
Size 1.5x1.5x1.5 m/tube well - ~~2~~ Nos @ Rs. 100000 each Rs. 200,000.00
6. Provision for Carriage of material *& other unforeseen items* Rs. 50,000.00

⑧ 7 to 10 Pl. see below

TOTAL

(C/O To Abstract of Cost for Sub work No.1)

Rs. 3,714,250.00

44.83 lacs

For RRD DEVELOPERS

Ravi Kumar Singh
Partner



- ⑦ 1000 for boundary wall around T.W & water works (L.S) 2.00 lacs
8. 1000 for lawn, Hedges, Sandpath at w. works (L.S) 1.00 lacs
9. 1000 for Const of bursting chamber of suitable size as per P.H. requirement (L.S) 5.00 lacs
10. 1000 for staff etc for site staff (L.S) 10.00
18.00

Sub Work No. 1
Sub Head No. 02

Water Supply
Pumping Machinery

Amount in Rs.

- 1A. Providing and installing electricity driven Domestic Transfer pumping
Set capable of delivering about ~~400~~ ³⁰⁰ LPM of water against a total
Head of ~~60~~ ⁴⁰ M complete with motor and other accessories including Valve(~~4~~ ³ HP)
& NRV. (2 Working + 1 Stand by) 3 No. @ ~~75000~~ ^{1.5} /- Each 3.00
Rs. ~~2,250,000.00~~
- 1B. Providing and installing electricity driven Flushing & Garden pumping
Set capable of delivering about ~~300~~ ²⁰⁰ LPM of water against a total
Head of ~~40~~ ³⁰ M complete with motor and other accessories including Valve(~~3~~ ² HP)
& NRV. (1 Working + 1 Stand by) 2 No. @ ~~75000~~ ^{2.00} /- Each Rs. ~~150,000.00~~
2. Provision for making foundations and erection of Pumping Machinery:
- Lump Sum Rs. 100,000.00
3. Provision for electric service connection including electrical
Fittings for tube-well and boosting chamber etc. *incl. cost of Transformer* 2.50 lacs
Rs. ~~125,000.00~~
- 4 *Pair for pipe valve and special (2.3)*
- Lump Sum 1.00
Rs. ~~35,000.00~~
- 45 *Provision for carriage of material. and other unshown items*
- Lump Sum 0.50
Rs. ~~35,000.00~~
- 6 *Pair for Cheap pressure type Chlorination plant*
- Lump Sum 1.00
Rs. ~~2,660,000.00~~
- 7 *Pair for Gen Set of 45 kVA (4.5)*
- Lump Sum 4.50 lacs
- TOTAL** **15.50 lacs**
- (C/O To Abstract of Cost for Sub work No.1)

For RRD DEVELOPERS
Ravi Singh
Partner



Sub-Work No. 1
Sub Head No. 03

Water Supply
Rising Main from HUDA

Amount in Rs.

1.	Providing , laying , jointing and testing pipe lines including Cost of excavation etc. complete in all respects. 100 mm dia. D.I. Pipe 181 m @ Rs. 950 /M- 1250/-	Rs. 171,950.00 2.26
2.	Providing and fixing sluice valve including cost of surface box and masonry chamber etc. complete in all respects. 100 mm i/d 1 No. @ Rs. 12000/-	Rs. 12,000.00
3.	Providing and fixing indicating plates for sluice valve and air Valves. - 1 @ Rs. 1000 /- each	Rs. 2,000.00 1.00
4.	Provision for carriage for materials (Lump Sum)	Rs. 25,000.00
5.	Making Water Supply Connection, including road cut.	Rs. 200,000.00 1.50 lacs
TOTAL		Rs. 410,950.00 4.14 lacs

For RRD DEVELOPERS
Ravi Kumar Singh
Partner



Sub Work No. 1

Sub-Head No. 04

**Water Supply
Water Distribution System (Domestic And
Flushing)**

	<i>Amount in Rs.</i>
1. Providing , Laying , jointing and testing 9 .I pipe line including Fittings, valves, cost of excavation etc. complete in all respect. D.I Pipe 100 mm , 2379 M @ Rs.1250/- per meter (1204+1175)	Rs.2,973,750.00
2. Providing and fixing 20 mm dia. irrigation hydrant Valve,Chamber & Cover Etc. complete in all respect. 45 Nos. @ Rs. 3500/ each	Rs.157,500
3. Provision for carriage of materials (Lump Sum)	Rs.100,000.00
4. Provision for air valves 5nos @10000/- each	Rs.50,000.00
5. Provision for sluice valve complete with masonry chamber (Lump Sum)	Rs.100,000.00
6. Provision for fixing fire hydrants complete 20NO. @ Rs10000/- Each	Rs.200,000.00
Total	Rs.3,581,250.00
(C/O To Abstract of Cost for Sub work No.1)	

For RRD DEVELOPERS

Partner



**PROJECT: AFFORDABLE RESIDENTIAL PLOTTED COLONY UNDER DEEN DAYAL JAN AWAS YOJNA AREA MEASURING 7.01875 ACRES, VILLAGE FARRUKHNAGAR AT
SECTOR-3, DISTT. GURUGRAM FOR M/S RRD DEVELOPERS**

SUBJECT: DOMESTIC WATER SUPPLY DESIGN SHEET

S. No.	Line Designation		No. of Plot	LPCD	POP/PLOT	Water Requirements (in KLD)	Self Water requirement (in KLD)	Branch Water requirement (in KLD)	Total Water Requirements (in KLD)	Discharge per Hour considering 8 Hours Pumping	Size of Pipe Provided	Velocity in ft/sec.	Velocity in m/sec.	Head Loss per 1000m	Loss of head as per pipe length	Length of pipe(in meters)	Ground Level		Hydraulic Level		Terminal Head
	FROM	TO															Start	End	Start	End	
1	WTP	5				0.00	0	220	220	27.500	100	3.20	0.98	19	0.204	11	95.60	101.55	125.600	125.396	23.846
2	5	4A	0	115.58	13.5	0.00	0	79	79	9.875	100	1.15	0.35	3	0.070	25	101.25	101.55	125.396	125.327	23.777
3	4A	4	11	115.58	13.5	18.93	19	10	29	3.658	100	0.43	0.13	0	0.044	100	101.25	101.55	125.327	125.282	23.732
5	4	1	6	115.58	13.5	10.33	10	0	10	1.291	100	0.15	0.05	0	0.002	38	101.55	101.55	125.327	125.324	23.774
6	4A	3A	4	115.58	13.5	6.89	7	43	50	6.240	100	0.73	0.22	1	0.036	30	101.55	101.55	125.282	125.247	23.697
7	3A	3	11	115.58	13.5	18.93	19	0	19	2.367	100	0.28	0.08	0	0.016	80	101.55	101.55	125.247	125.231	23.681
8	3A	2	1	115.58	13.5	1.72	2	22	24	3.012	100	0.35	0.11	0	0.002	8	101.55	101.55	125.282	125.280	23.730
9	2	1	11	115.58	13.5	18.93	19	0	19	2.367	100	0.28	0.08	0	0.018	90	101.55	101.55	125.280	125.262	23.712
10	2	2A	2	115.58	13.5	3.44	3	0	3	0.430	100	0.05	0.02	0	0.000	10	101.55	101.55	125.396	125.396	23.846
11	5	5A	0	115.58	13.5	0.00	0	143	143	17.875	100	2.08	0.63	8	0.234	28	101.55	101.55	125.396	125.163	23.613
12	5A	6	0	115.58	13.5	0.00	0	125	125	15.683	100	1.82	0.56	7	0.052	8	101.55	101.55	125.163	125.110	23.560
13	6	6A	2	115.58	13.5	3.44	3	36	39	4.905	100	0.57	0.17	1	0.026	34	101.55	101.55	125.396	125.370	23.820
14	6A	11	Common area			35.80	36	0	36	4.475	100	0.52	0.16	1	0.027	42	101.55	101.55	125.163	125.136	23.586
15	5A	7	4	115.58	13.5	6.89	7	83	90	11.208	100	1.30	0.40	4	0.148	42	101.55	101.55	125.282	125.135	23.585
16	7	8	13	115.58	13.5	22.38	22	40	62	7.765	100	0.90	0.28	2	0.164	92	101.55	101.55	125.135	124.970	23.420
17	8	9	12	115.58	13.5	20.66	21	19	40	4.968	100	0.58	0.18	1	0.078	100	101.55	101.55	124.970	124.892	23.342
18	9	10	Commercial			19.09	19	0	19	2.386	100	0.28	0.08	0	0.020	98	101.55	101.55	124.892	124.873	23.323
19	7	6B	0	115.58	13.5	0.00	0	52	52	6.455	100	0.75	0.23	1	0.011	9	101.55	101.55	125.135	125.123	23.573
19	6B	6C	6	115.58	13.5	10.33	10	21	31	3.873	100	0.45	0.14	0	0.026	53	101.55	101.55	125.123	125.097	23.547
20	6C	6D	12	115.58	13.5	20.66	21	0	21	2.582	100	0.30	0.09	0	0.019	82	101.55	101.55	125.097	125.078	23.528
21	6B	7A	6	115.58	13.5	10.33	10	10	21	2.582	100	0.30	0.09	0	0.019	82	101.55	101.55	125.123	125.104	23.554
22	7A	6D	6	115.58	13.5	10.33	10	0	10	1.291	100	0.15	0.05	0	0.003	53	101.55	101.55	125.104	125.101	23.551

For RRD DEVELOPERS

Partner



PROJECT: AFFORDABLE RESIDENTIAL PLOTTED COLONY UNDER DEEN DAYAL JAN AWAS YOJNA AREA MEASURING 7.01875 ACRES, VILLAGE FARRUKHNAGAR AT SECTOR-3, DISTT. GURUGRAM FOR M/S RRD DEVELOPERS

SUBJECT; WATER SUPPLY PIPES SHEET

S. No.	Line Designation		Size of Pipe Provided	Length of pipe
			mm	metres
1	1	2	100	99.50
2	2A	4A	100	42.50
3	1-4	1-4	100	37.20
4	3	3A	100	90.60
5	4	5	100	118.40
6	5	6	100	28.80
7	5A	8	100	132.00
8	6	6C	100	95.60
9	6A	11	100	115.20
10	7	7A	100	90.80
11	8	9	100	99.30
12	6C	9A	100	90.80
13	7A	6D	100	53.70
14	9	10	100	98.60
15	WTP	5	100	11.00
TOTAL				1204.00
SAY				1204.00
MUNICIPAL WATER SUPPLY SYSTEM				
16	12	13	80	180.70
SAY				181.0
TUBEWELL WATER SUPPLY SYSTEM				
	S.NO.	POINTS	DIA.	LENGTH
17	1	13 - 14	80	15.90
SAY				16.00
TOTAL FOR 80 DIA				197.00
TOTAL FOR 100 DIA				1204.00
TOTAL PIPING				1401

For RRD DEVELOPERS

Ravi Kumar Singh
Partner



PROJECT: AFFORDABLE RESIDENTIAL PLOTTED COLONY UNDER DEEN DAYAL JAN AWAS YOJNA AREA MEASURING 7.01875 ACRES, VILLAGE FARRUKHNAGAR AT SECTOR-3, DISTT. GURUGRAM FOR M/S RRD DEVELOPERS

SUBJECT: FLUSHING WATER SUPPLY DESIGN SHEET

S. No.	Node No.		No. of Plot	Flushing Water Requirement In KLD	Branch Water	Total KLD	Discharge per Hour considering 8 Hours Pumping	Size of Pipe Provided	Velocity		Head Loss per 1000 m	Loss of head as per pipe length	Length of pipe (in meters)	Ground level		Hydraulic Level		Terminal Head
	From	To							in ft/sec.	in m/s				Start in m	End in m	Start in m	End in m	
1	STP	7	0	0	110	110	13.750	100	1.60	0.49	5	0.039	8	95.60	101.55	125.60	125.56	24.01
2	7	6	0	0	109	109	13.581	100	1.58	0.48	5	0.113	24	101.55	101.55	125.56	125.45	23.90
3	6	4	11	8	13	22	2.693	100	0.31	0.10	0	0.019	100	101.55	101.55	125.56	125.54	23.99
3	4	3	6	5	8	13	1.635	100	0.19	0.06	0	0.003	38	101.55	101.55	125.56	125.56	24.01
4	3	3A	11	8	0	8	1.058	100	0.12	0.04	0	0.003	90	101.55	101.55	125.56	125.56	24.01
5	6	2A	5	4	10	14	1.731	100	0.20	0.06	0	0.003	38	101.55	101.55	125.56	125.56	24.01
6	2A	1	11	8	0	8	1.058	100	0.12	0.04	0	0.003	93	101.55	101.55	125.56	125.55	24.00
7	2A	2	2	2	0	2	0.192	100	0.02	0.01	0	0.000	12	101.55	101.55	125.56	125.56	24.01
8	7	8	0	0	87	87	10.888	100	1.27	0.39	3	0.061	20	101.55	101.55	125.56	125.49	23.94
9	8	8A	4	3	84	87	10.888	100	1.27	0.39	3	0.076	25	101.55	101.55	125.49	125.42	23.87
10	8A	9A	0	0	37	37	4.598	100	0.53	0.16	1	0.004	8	101.55	101.55	125.56	125.55	24.00
11	9A	12	16, Common Facility	18	9	28	3.443	100	0.40	0.12	0	0.033	108	101.55	101.55	125.42	125.39	23.84
12	9A	9B	0	0	9	9	1.154	100	0.13	0.04	0	0.000	8	101.55	101.55	125.39	125.39	23.84
13	9B	9F	6	5	0	5	0.577	100	0.07	0.02	0	0.001	82	101.55	101.55	125.39	125.39	23.84
14	9B	9C	6	5	0	5	0.577	100	0.07	0.02	0	0.000	45	101.55	101.55	125.39	125.39	23.84
15	8A	8B	7	5	42	47	5.906	100	0.69	0.21	1	0.057	64	101.55	101.55	125.39	125.33	23.78
16	8B	9E	12	9	5	14	1.731	100	0.20	0.06	0	0.006	82	101.55	101.55	125.33	125.32	23.77
17	9E	9F	6	5	0	5	0.577	100	0.07	0.02	0	0.000	45	101.55	101.55	125.39	125.39	23.84
18	8B	9	5	4	24	28	3.501	100	0.41	0.12	0	0.012	37	101.55	101.55	125.39	125.37	23.82
19	9	10	12	9	15	24	3.020	100	0.35	0.11	0	0.023	100	101.55	101.55	125.55	125.53	23.98
20	10	11	9, Common Facility	15	0	15	For RRD DEVELOPERS	100	0.22	0.07	0	0.008	85	101.55	101.55	125.37	125.37	23.82

For RRD DEVELOPERS

Partner



**PROJECT: AFFORDABLE RESIDENTIAL PLOTTED COLONY UNDER DEEN DAYAL JAN AWAS
YOJNA AREA MEASURING 7.01875 ACRES, VILLAGE FARRUKHNAGAR AT SECTOR-3, DISTT.
GURUGRAM FOR M/S RRD DEVELOPERS**

SUBJECT: FLUSHING & GARDEN WATER SUPPLY MATERIAL SHEET

S. No.	Line Designation		Size of Pipe Provided	Length of pipe
1	1	4	100	37.40
2	1	2A	100	98.70
3	3	3A	100	98.70
4	4	7	100	122.50
5	2	6	100	52.50
6	STP	7	100	6.80
7	7	8	100	20.30
8	8	9	100	125.80
9	9	10	100	102.50
10	8A	12	100	120.00
11	9A	9C	100	56.00
12	8B	10A	100	102.50
13	9B	9F	100	84.00
14	9E	12A	100	56.00
15	10	11	100	91.00
TOTAL PIPE OF 100 DIA				1174.70
SAY				1175.00

For RRD DEVELOPERS
Ravi Kumar Singh
Partner



Sub-Work No. II

SEWERAGE SCHEME

Amount in Rs.

1. Providing, jointing, cutting and testing SW pipe class "A" and lowering into trenches including cost of Excavation, bed concrete, cost of manholes etc. complete

a) SW pipe 200MM i/d avg. depth 1.60 - 3.45 M
840 M @ Rs. 1500/M

Rs.1,260,000

2. Rising Main From STP To MH (DI PIPE)
a) 183mm dia 200m @ Rs. 2150/m

4.30/100
Rs.397,750

3. STP Cap. 250 KLD @ 12000/KL

31.25/100
Rs.3,000,000

4. Provision for making HUDA Connection on master road (L.S.)

1.00/100
Rs.300,000

5. Prov. for oblique junction (L.S.)

1.00/100
Rs.300,000

6. It see below.

Total

5.00/100
Rs.4,957,750

Add 3% contingencies & PH charges

Rs.148,733

Total

Add 49% Price Escalation, Departmental charges

Rs.5,106,483

TOTAL

Rs.2,502,176

84.63/100
Rs.7,608,659

(Cost to Final abstract of cost)

Say in lacs 76.09

For RRD DEVELOPERS

Ravi Kumar Singh
Partner



6) Prov for temporary timbering and cutting of road & making good, & carriage of material Rs 50000 (L.S.)

PROJECT: AFFORDABLE RESIDENTIAL PLOTTED COLONY UNDER DEEN DAYAL JAN AWAS YOJNA AREA MEASURING 7.01875 ACRES, VILLAGE FARRUKHNAGAR AT SECTOR-3, DISTT. GURUGRAM FOR M/S RRD DEVELOPERS

SUBJECT: SEWERAGE SYSTEM DESIGN SHEET

S. No.	Sewer Line	No. of Plots	Rate of Population (PAX/PLOT)	Total Population	Water Supply	Total Water Requirement	Sewage Discharge (LPD)			Average Sewage Discharge	Peak Sewage Discharge		Size of Pipe	Velocity	Design Discharge	Length of Line	Slope	Fall In Meters	Ground level	Invert Level		Depth of MH		Average depth of pipe
							Self	Branch	Total		LPS	LPS								Cu sec	Cu sec	Start	End	
1.	2.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	18	20	22	23	25	26	28		
		From To																						
1	1	4	6	13.5	81	172.5	12575			0.44	200	2.55	0.43	40	180	0.222	101.55	100.00	99.78	1.55	1.77	1.66		
2	4	6	11	13.5	148.5	172.5	23055	12575	35630	0.412	200	2.55	0.43	100	180	0.556	101.55	99.78	99.22	1.77	2.33	2.05		
3	3	2A	22	13.5	297	172.5	46109		46109	0.534	200	2.55	0.43	15	180	0.083	101.55	100.00	99.92	1.55	1.63	1.59		
4	2	2A	3	13.5	40.5	172.5	6288		6288	0.073	200	2.55	0.43	88	180	0.489	101.55	100.00	99.51	1.55	2.04	1.79		
5	2A	6	4	13.5	54	172.5	8384	52397	60780	0.703	200	2.55	0.43	29	180	0.161	101.55	99.51	99.35	2.04	2.20	2.12		
6	6	7	0	13.5	0	172.5		96410	96410	1.116	200	2.55	0.43	26	180	0.144	101.55	99.22	99.08	2.33	2.47	2.40		
7	10	9	12	13.5	162	172.5	27945		25151	0.291	200	2.55	0.43	91	180	0.506	101.55	100.00	99.49	1.55	2.06	1.80		
8	11	11A	6	13.5	81	172.5	13973		12575	0.146	200	2.55	0.43	30	180	0.167	101.55	100.00	99.83	1.55	1.72	1.63		
9	12	11A	9	13.5	121.5	172.5	20959		18863	0.218	200	2.55	0.43	52	180	0.289	101.55	100.00	99.71	1.55	1.84	1.69		
10	11A	8B	12	13.5	162	172.5	27945	31438	56589	0.655	200	2.55	0.43	92	180	0.511	101.55	99.71	99.20	1.84	2.35	2.09		
11	9	8B	7	13.5	94.5	172.5	16301	25151	39822	0.461	200	2.55	0.43	45	180	0.250	101.55	99.49	99.24	2.06	2.31	2.18		
12	14	14A	4	13.5	54	172.5	9315	8384	8384	0.097	200	2.55	0.43	27	180	0.150	101.55	100.00	99.85	1.55	1.70	1.63		
13	14B	14A	Commercial	13.5	0	172.5	6546	8384	14275	0.165	200	2.55	0.43	10	180	0.056	101.55	100.00	99.94	1.55	1.61	1.58		
14	14A	8A	17+ Community area	13.5	229.5		57039	14275	65610	0.759	200	2.55	0.43	90	180	0.500	101.55	99.85	99.35	1.70	2.20	1.95		
15	8B	8A	12	13.5	162	172.5	27945		25151	1.407	200	2.55	0.43	55	180	0.306	101.55	99.20	98.89	2.35	2.66	2.50		
16	8A	8	4	13.5	54	172.5	7841	187171	194227	2.248	200	2.55	0.43	25	180	0.139	101.55	98.89	98.76	2.66	2.79	2.72		
17	8	7	0	13.5	0	172.5	0	194227	194227	2.248	200	2.55	0.43	20	180	0.111	101.55	98.76	98.64	2.79	2.91	2.85		
18	7	51P	0	13.5	0	172.5	0	290638	290638	3.364	200	2.55	0.43	6	180	0.033	101.55	98.64	98.61	2.91	2.94	2.92		

OR RRD DEVELOPERS

Ravi Kumar Singh

Partner



**PROJECT: AFFORDABLE RESIDENTIAL PLOTTED COLONY UNDER DEEN DAYAL
JAN AWAS YOJNA AREA MEASURING 7.01875 ACRES, VILLAGE FARRUKHNAGAR
AT SECTOR-3, DISTT. GURUGRAM FOR M/S RRD DEVELOPERS**

SUBJECT: SEWERAGE SYSTEM SHEET

S. No.	Sewer Line		Size of Pipe	Length of Line
	From	To	mm	Meters
1	1	4	200	40
2	4	6	200	100
3	2	2A	200	15
4	3	2A	200	88
5	2A	6	200	29
6	6	7	200	26
7	10	9	200	91
8	11	11A	200	30
9	12	11A	200	52
10	11A	8B	200	92
11	9	8B	200	45
12	14	14A	200	27
13	14B	14A	200	10
14	14A	8A	200	90
15	8B	8A	200	55
16	8A	8	200	25
17	8	7	200	20
18	7	STP	200	6
TOTAL				841.00
SURPLUS DISPOSAL LINE				
S.NO.	From	To	DIA.	LENGTH
1	7	17	200	183.80
Total 200 Dia Pipe				1025
Say				1025

For RRD DEVELOPERS

 Partner



Sub-Work No. III

STORM WATER SCHEME

Amount in Rs.

1. Providing and laying R.C.C. pipe drain class NP-3 With cement joint, Catch Basins & Road Gullies, manholes excavation etc complete in all respect.		
a) 400 mm dia. 830 M @ Rs. 2500/m		Rs.2,075,000
b). Providing Rain Harvesting arrangements <i>complete in all respect at selected places</i> (L.S.)		Rs.750,000 ✓
2(c) <i>Prov. for road gully with 300 mm dia pipe connection</i> (L.S.)		Rs.2,00,000
3. Provision for Carriage of Material (L.S.)		Rs.100,000
4. Provision for Connection with HUDA line <i>on master road</i> (L.S.)		Rs.250,000
5. Provision for disposal arrangement till HUDA SERVICE IN PLACE (L.S.)		Rs.1,000,000
6- <i>Prov for cutting of lead & making good to its in original condition</i> (L.S.)		Rs.1,00,000
Total	43.25	Rs.4,175,000
Add 3% for contingencies and PH charges	1.30	Rs.125,250
Total	44.55	Rs.4,300,250
Add 49% Departmental charges, <i>price escalation unforeseen, Admin.</i>	21.82	Rs.2,107,123
TOTAL	66.37	Rs.6,407,373
(Cost to Final abstract of cost)		
	Say in lacs	64.07

for RRD DEVELOPERS

 Partner


**PROJECT: AFFORDABLE RESIDENTIAL PLOTTED COLONY UNDER DEEN DAYAL JAN AWAS YOJNA AREA MEASURING 7.01875 ACRES,
VILLAGE FARRUKHNAGAR AT SECTOR-3, DISTT. GURUGRAM FOR M/S RRD DEVELOPERS**

SUBJECT: DRAINAGE SYSTEM DESIGN SHEET

S. No.	LINE NO.		Self Area (m2)	Self Area (Acre)	Branch Area (Acre)	Total Area (Acre)	Total Area (Hectare)	Rain Fall mm/hr	Discharge @17.36 LPS/Hectare	Length in m	Pipe dia in mm	Slope 1 in	Velocity m/sec.	Cap of pipe in lps	Fall in line m	Ground Level	Invert Level		Depth		
	FROM	TO															Start	End	Start	End	Average
1	1A	1	742.20	0.18	0.00	0.18	0.07	6.25	1.29	9.00	400	500	0.64	80.75	0.02	101.55	100.42	100.40	1.13	1.15	1.14
2	1	2	3180.50	0.79	0.18	0.97	0.39	6.25	6.81	89.70	400	500	0.64	80.75	0.18	101.55	100.40	100.22	1.15	1.33	1.24
3	2A	2	397.60	0.10	0.00	0.10	0.04	6.25	0.69	12.50	400	500	0.64	80.75	0.03	101.55	100.40	100.38	1.15	1.18	1.16
4	2	5	937.50	0.23	1.07	1.30	0.53	6.25	9.13	45.00	400	500	0.64	80.75	0.09	101.55	100.22	100.13	1.33	1.42	1.37
5	3	4	1161.74	0.29	0.00	0.29	0.12	6.25	2.02	45.00	400	500	0.64	80.75	0.09	101.55	100.40	100.31	1.15	1.24	1.19
6	4	5	1998.40	0.49	0.29	0.78	0.32	6.25	5.49	84.20	400	500	0.64	80.75	0.17	101.55	100.31	100.14	1.24	1.41	1.32
7	5	6	915.00	0.23	2.08	2.31	0.93	6.25	16.20	26.00	400	500	0.64	80.75	0.05	101.55	100.13	100.08	1.42	1.47	1.44
8	6	8	965.40	0.24	2.31	2.55	1.03	6.25	17.88	61.60	400	500	0.64	80.75	0.12	101.55	100.08	99.96	1.47	1.59	1.53
9	8A	9	1921.50	0.47	0.00	0.47	0.19	6.25	3.34	39.20	400	500	0.64	80.75	0.08	101.55	100.40	100.32	1.15	1.23	1.19
10	10	9	1160.10	0.29	0.00	0.29	0.12	6.25	2.01	37.20	400	500	0.64	80.75	0.07	101.55	100.40	100.33	1.15	1.22	1.19
11	11	12	1644.00	0.41	0.00	0.41	0.16	6.25	2.85	75.20	400	500	0.64	80.75	0.15	101.55	100.40	100.25	1.15	1.30	1.23
12	12	13	1285.80	0.32	0.41	0.72	0.29	6.25	5.09	44.40	400	500	0.64	80.75	0.09	101.55	100.25	100.16	1.30	1.39	1.34
13	9	13	3284.20	0.81	0.76	1.57	0.64	6.25	11.05	89.70	400	500	0.64	80.75	0.18	101.55	100.32	100.14	1.23	1.41	1.32
14	13	14	1190.70	0.29	2.30	2.59	1.05	6.25	18.20	46.70	400	500	0.64	80.75	0.09	101.55	100.14	100.05	1.41	1.50	1.45
15	8	14	6167.90	1.52	5.14	6.66	2.70	6.25	46.79	89.70	400	500	0.64	80.75	0.18	101.55	99.96	99.78	1.59	1.77	1.68
16	14	15	1332.30	0.33	6.66	6.99	2.83	6.25	49.10	25.00	400	500	0.64	80.75	0.05	101.55	99.78	99.73	1.77	1.82	1.80
17	15	DISPOSA	0.00	0.00	6.99	6.99	2.83	6.25	49.10	8.40	400	500	0.64	80.75	0.02	101.55	99.73	99.71	1.82	1.84	1.83

For RRD DEVELOPERS

Ravi Kumar Singh

Partner



**PROJECT: AFFORDABLE RESIDENTIAL PLOTTED COLONY UNDER DEEN
DAYAL JAN AWAS YOJNA AREA MEASURING 7.01875 ACRES, VILLAGE
FARRUKHNAGAR AT SECTOR-3, DISTT. GURUGRAM FOR M/S RRD
DEVELOPERS**

SUBJECT: DRAINAGE SYSTEM MATERIAL SHEET

S. No.	Line No.		Pipe dia.	Length
	From	To	mm	Meters
1	1A	1	400	9.00
2	1	2	400	89.70
3	2A	2	400	12.50
4	2	5	400	45.00
5	3	4	400	45.00
6	4	5	400	84.20
7	5	6	400	26.00
8	6	8	400	61.60
9	8A	9	400	39.20
10	10	9	400	37.20
11	11	12	400	75.20
12	12	13	400	44.40
13	9	13	400	89.70
14	13	14	400	46.70
15	8	14		89.70
16	14	15		25.00
17	15	DISPOSAL		8.40
TOTAL				
			Total 400 Dia Pipe	828.5
			SAY	830

For RRD DEVELOPERS

Ravi Kumar Singh partner



PROJECT: AFFORDABLE RESIDENTIAL PLOTTED COLONY UNDER DEEN DAYAL JAN AWAS YOJNA AREA MEASURING 7.01875 ACRES, VILLAGE FARRUKHNAGAR AT SECTOR-3, DISTT. GURUGRAM FOR M/S RRD DEVELOPERS

Sub work No. VII
SUBJECT: SERVICES & RESURFACING OF ROADS

Services & Resurfacing of Roads					
S.No.	Description	Unit	Qty	Rate (in Rs.)	Amount (in Rs.)
1	Provision of MTC charges for W/S, SWD & Sewarage, Roads, Street Lighting, Horticulture etc.				
a.	Complete in all aspect, including operational and establishment charges as per HUDA norms for 10 years completion.	Acre	7.01875	750,000.00	5,264,062.50
2	Provision of resurfacing of roads MTC one layer of 100 mm thick WBM compacted to 75 mm thick with 25mm thick premix carpet with seal coat.				
a	Resurfacing of road after 5 years of MTC .	Sqm	4335	600.00	2601
			3,750.00		2,250,000.00
b	Resurfacing of road after 10 years of MTC.	Sqm	3,750.00	750.00	3251
					2,812,500.00
	Sub Total		4335		111.16
	Add 3% contingencies & PH charges			3.33	10,326,562.50
	Sub Total			114.49	309,796.88
	Add 49% depts., price escalation, unfrozen and admion charges			56.10	10,636,359.38
	Total			170.59	5,211,816.09
	Say Rs in Lakhs (C/O to Final abstract of cost)				15,848,175.47
					158.48

For RRD DEVELOPERS

Ravinder
 Partner



**PROJECT: AFFORDABLE RESIDENTIAL
PLOTTED COLONY UNDER DEEN DAYAL
JAN AWAS YOJNA AREA MEASURING 7.01875
ACRES, VILLAGE FARRUKHNAGAR AT
SECTOR-3, DISTT. GURUGRAM FOR M/S RRD
DEVELOPERS**

SUBJECT: ROAD WORKS

Sub Work No. IV		Road Works
S. No.	Road no	Length in m
1	R1	91.1
2	R2	37.3
3	R3	117.1
4	R4	55.9
5	R5	11.3
6	R6	128.9
7	R7	90.8
8	R8	120.3
9	R9	94.2
		746.9
	SAY	750

metalled width $750 \times 5.50 \text{ m} = 4125 \text{ Sfm}$
 Add for Curb 5% 206 Sfm
 For RRD DEVELOPERS 4331 Sfm

Ravinder
 Partner



Say 4335 Sfm

Length for kerb & channel $2 \times 750 = 1500 \text{ Rm}$

PROJECT: AFFORDABLE RESIDENTIAL PLOTTED COLONY UNDER DEEN DAYAL JAN AWAS YOJNA AREA MEASURING 7.01875 ACRES, VILLAGE FARRUKHNAGAR AT SECTOR-3, DISTT. GURUGRAM FOR M/S RRD DEVELOPERS

SUBJECT: PLANTATION & ROAD SIDE TREES

Sub Work No. VI

Plantation & Road Side trees

S.No.	Description	Unit	Qty	Rate (in Rs.)	Amount (in Rs.)
1	Development of organised lawn green area.	Acre	0.281 0.52	150,000.00	42,150.00 78,000.00
	2118.				
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.				
b	Rough dressing of turfed area.				
c	Grassing with "DOOB GRASS" i/c watering and maintenance of lawns for 30 days till the grass forms a thick lawn, free from weeds and fit for mowing in row 7.5 cm part in either direction.				
2	Providing and planting trees along ROAD @ 12 m interval	Nos.	125.00	1,300.00	162,500.00
	Cost Detail				
	Excavation	60.00			
	Manure	90.00			
	Tree Plant	150.00			
	Tree Guard	1000.00			
	Total	1300.00			
	Sub Total				204,650.00
	Add 3% contingencies & PH charges				-6,139.50
					210,789.50
	Add 49% deplt., price escalation, unfrozen and admion charges				103,286.86
					314,076.36
	Total				314,076.36
	Say Rs in Lakhs (C/O to Final abstract of cost)				3.14

RRD DEVELOPERS

Ravi

Partner

3.70 lacs

PROJECT: AFFORDABLE RESIDENTIAL PLOTTED COLONY UNDER DEEN DAYAL JAN AWAS YOJNA AREA MEASURING 7.01875 ACRES, VILLAGE FARRUKHNAGAR AT SECTOR-3, DISTT. GURUGRAM FOR M/S RRD DEVELOPERS

SUBJECT: ROAD WORKS

Sub Work No. IV		Road Works			
S. No.	Description	Unit	Qty	Rate (in Rs.)	Amount (in Rs.)
1	Provision for leveling & earth filling as per site conditions	Acres	7.01875	150,000.00	1,052,812.50
2	20 mm thick ORISS <i>20 mm GSB</i> <i>250 mm stone aggregate</i> <i>50 mm 13M</i> <i>20 mm thick mss</i>	Sqm	3,750.00 4335	1,200.00	4,500,000.00 5,202.16
3	Provision for Kerbs & channels of CC 1:2, 5:5 on both side of roads complete in all respect	Metre	1,500.00	600.00	900,000.00
4	Provision for pavement in shopping area i.e. 50% of area 581.85 sqm./2	sqm.	290.925	600.00	174,555.00
5	Provision for traffic light control	LS			100,000.00
6	Provision for carriage of materials. <i>eg other</i> <i>unfrozen item</i>	LS			75,000.00
7	Provision for guide map, plot indicator, and other unfrozen item	LS			100,000.00
	Sub Total			76.05	6,902,367.50
	Add 3% contingencies & PH charges			2.28	207,071.03
	Sub Total			78.33	7,109,438.53
	Add 49% deplt., price escalation, unfrozen and admion charges			38.38	
				116.71	3,483,624.88
	Total				10,593,063.40
	Say Rs in Lakhs (C/O to Final abstract of cost)				105.93

For RRD DEVELOPERS

Ravide

Partner





हरियाणा शहरी विकास प्राधिकरण

HARYANA SHEHRI
VIKAS PRADHIKARAN

Fax : 2564655

Website : www.hsvp.org.in

Email : cencrhsvp@gmail.com

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

C.E.I-No.

Dated:

Annexure-A

SUB:-

Approval of Service Plan/Estimates for Affordable Residential Plotted Colony (under Deen Dayal Jan Awas Yojna-2016) measuring 7.01875 acres area at Village Farrukhnagar, Sec-3, Distt. Gurugram- M/S.RRD Developers Pvt. Ltd. (License No. 49 of 2017 dated 17.7.2017).

Technical note and comments:-

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



हरियाणा शहरी विकास प्राधिकरण
HARYANA SHEHRI
VIKAS PRADHIKARAN

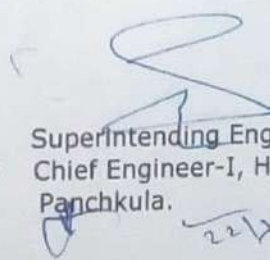
Fax : 2564655
Website : www.hsyp.org.in
Email : cencrhsyp@gmail.com

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

C.E.-I 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.


For Superintending Engineer (HQ),
Chief Engineer-I, HSVP,
Panchkula.

22/11/19

PROJECT: AFFORDABLE RESIDENTIAL PLOTTED COLONY UNDER DEEN DAYAL JAN AWAS YOJNA AREA MEASURING 7.01875 ACRES, VILLAGE FARRUKHNAGAR AT SECTOR-3, DISTT. GURUGRAM FOR M/S RRD DEVELOPERS

SUBJECT: STREET LIGHTING

Sub Work No. V		UM	Qty.	Rate	Amount
S.No.	Discription				
1	Provision for street lighting on roads as per standard specification of HVPN with CFL				
	7.01875 acres @ Rs. 2.50 Lakhs/ Acres	acres	7.01875	250000	1754687.5
				<i>Acce</i>	
	Sub Total				1754687.5
	Add 3% contingencies & PH charges				52,640.63
	Total				1,807,328.13
	Add 49% deplt., price escalation, unfrozen and admion charges				885,590.78
	SUB-TOTAL				2692918.9
	Say Rs in Lakhs (C/O to Final abstract of cost)				26.93

LAG

For RRD DEVELOPERS

Partner

Partner

