Directorate of Town & Country Planning, Haryana

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

Regd.

To

RPS Infrastructure Ltd. ,
Regd. Office: 1117-1120, DLF Tower-B,
Jasola District Centre,
New Delhi - 110025.

Memo No. LC-3862-JE (SK)-2022/ 8391 Dated: 28/03/22

Subject: **Approval of Service Plan / Estimate of Affordable Plotted Colony under DDJAY-2016 bearing licence no. 11 of 2019 dated 01.02.2019, over an area measuring 5.4875 acres in Sector-88, Faridabad- RPS Infrastructure Ltd.**

The service plan/estimates of Licence no. 11 of 2019 dated 01.02.2019 granted for setting up an Affordable Residential Plotted Colony over an area measuring 5.4875 acres in Sector-88, Faridabad has been checked and corrected, wherever necessary by the Chief Engineer, HSVP, Panchkula and are hereby approved by the DTCP Haryana subject to the following terms and conditions: -

1. You will have to pay the proportionate cost of external development charges for setting up of Affordable Residential Plotted Colony for the services like water supply, sewerage, storm water drainage, roads, bridges, street lighting, horticulture etc. on gross acreage basis as and when determined by HSVP/Director. These charges are modifiable and modified charges will be binding upon you.
2. The maintenance charges for various services like water supply, sewerage, storm water drainage, Horticulture, roads, street lighting and resurfacing of roads etc. have been included in the estimate as per detail given in it and the total cost of maintenance charges are works out to Rs. 133.83 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 19.08.2021 **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 firefighting 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

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.

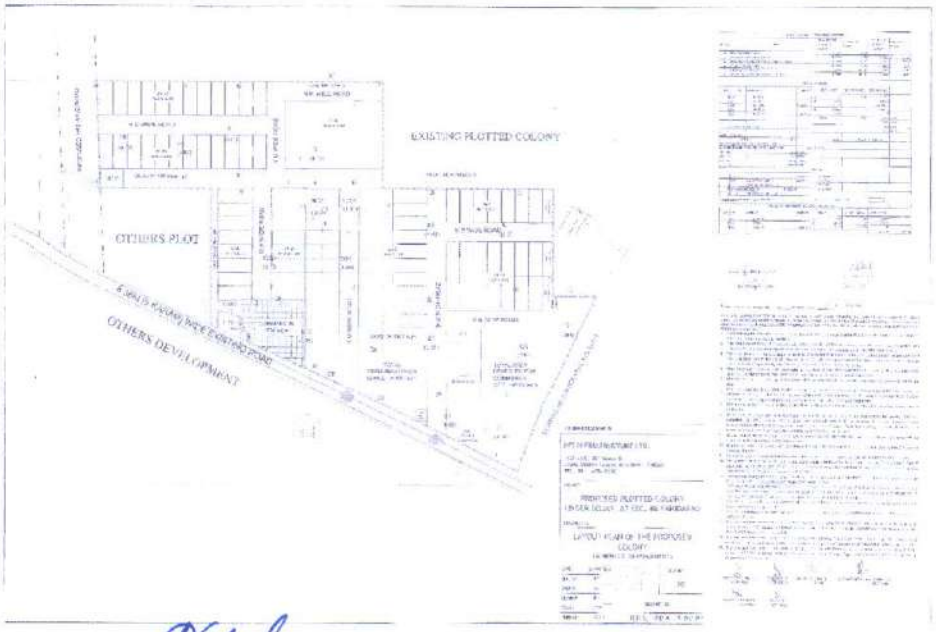
(Sunena)
District Town Planner (HQ)
For: Director, Town & Country Planning
Haryana, Chandigarh

Endst No LC-3862-JE (SK)-2022/ Dated:

A copy is forwarded to the Chief Engineer, HSVP, Panchkula with reference to his letter No. 145092 dated 19.08.2021 for information and necessary action.

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

SERVICE PLAN ESTIMATE



ARCHITECT
R.P. NIRALA
CA/2002/29507

For RPS Infrastructure Ltd.

Authorised Signatory

SERVICE ESTIMATE for AFFORDABLE RESIDENTIAL PLOTTED COLONY (Under Deen Dayal Jan Awas Yojna), area measuring 5.4875 acres (Licence no- 11 of2019 Dated 01.02.2019) in Sector-88, FARIDABAD being Developed by **M/s RPS INFRASTRUCTURE Ltd.**

EXECUTIVE ENGINEER
HSVP DIVISION No.-II,
FARIDABAD

SERVICE ESTIMATE for AFFORDABLE RESIDENTIAL PLOTTED COLONY (Under Deen Dayal Jan Awas Yojna), area measuring 5.4875 acres (Licence no- 11 of 2019 Dated 01.02.2019) in Sector 88, FARIDABAD being Developed by M/s RPS INFRASTRUCTURE.Ltd

SITE BRIEF

1. TOTAL AREA OF THE SITE	= 5.4875 Acres
2. AREA UNDER COMMERCIAL	= ~~0.2195~~ Ares 0.1853
3. TOTAL NUMBER OF PLOTS	= 119 Nos
4. TOTAL DENSITY ACHIEVED	= 1607 Persons
5. TOTAL GREEN AREA	= 0.4154 Acres or 1,681.06 Sq.Mt
6. COMMUNITY SITE	= 0.549 Acres or 2223.00 Sq.Mt

REPORT

Faridabad town of Haryana State is situated on Delhi- Agra national Highway No-2 at 30Kms for Delhi. Being in the national capital Region, the town has fast developing tendency and potential. Further it has also started sharing the growing Industrial load of Delhi. In order to relieve the growing pressure of population in National Capital of Delhi, it has been decided by Haryana Government to establish various residential Sectors along with infrastructure facilities in Faridabad. This report is for AFFORDABLE RESIDENTIAL PLOTTED COLONY (Under Deen Dayal Jan Awas Yojna), area measuring 5.4875 acres (Licence no- 11 of 2019 Dated 01.02.2019) in Sector-88, FARIDABAD being Developed by **M/s RPS INFRASTRUCTURE Ltd.**

WATER SUPPLY

1. SOURCE

   The source of water supply in this area is tube wells as the underground water is sweet and fit for human consumption, moreover, the water is available at reasonable depth. The average yield of tube well with `60 – 80` strainer will be about 17500 lph per Hour. The reaching of underground water table is this belt is stated to be good. However still we shall Resort to rain harvesting system to keep up the recharging system. The number of tube wells required for the above area has been worked out to 02 Nos and the tube wells be bored in tune with growth of demand to avoid obsolesce of the tube wells. The ultimate requirements of tube wells includes provision 10% standby

2. DESIGN

The scheme has been designed for population of 1607 persons i.e 292~~86~~84 PPA. The rate of water supply per head per day has been taken assumed as 150 ~~155~~ liters

+15%wastage i.e 172.50 Liters per head per day as per Huda norms. In addition to

above necessary provision of water for commercial and 10% area of community sites

etc , have been taken into account for calculation the maximum number of tube well water required.

3. PUMP CHAMBERS AND PUMPING MACHINERY

It is proposed to ~~equip~~ each tube well with an electrically driven pumping set.

4. UNDER GROUND STORAGE

Underground storage tank provision has been made 200 KL which with fire fighting requirement ~~caters~~ takes for the present and a lot of future requirements.

5. DISTRIBUTION SYSTEM

The distribution system for these developments are has been designed to supply @ 172.50 ~~175.50~~ Liters per head per day @ 2.5 times , the average rate of flow on `Hazen William

` formula with C-100, Necessary provision for laying ~~C.I~~/D.I pipe only conforming to relevant IS standards along with valves and specials has been made in this estimate. The minimum terminal head at any point in this system will be about 23.52 meters so that it can serve the 5 stories construction are kept as 100 dia.

6. RISING MAINS

Rising mains from ~~HUDA~~ HSVP water main on ~~sector road~~ ifd DI (K-7) to water works have also been designed and provision for 100mm/~~I.D.~~ C.I. pipe line has been made in this estimate

7. SEWERAGE

The ~~sewer~~ 200mm i/d SWP lines have been designed for 3 times average DWF in relation to the water supply demand assuming that 75% for the Domestic water supply shall find its way into the proposed sewer. S.W. pipe sewers have been proposed designed to run half full. The sewers have been designed on 2.5 ft per second velocity i.e. self-cleaning velocity. Necessary provisions for laying S.W. pipes manholes etc has been made in this estimate.

8. STORM WATER DRAINAGE

The Storm water drain is being designed to carry 6.25 mm rain fall per hour. Also suitable provisions are contemplated in our scheme to ensure better recharging of underground water table in the area. RCC ~~home~~ pipe NP-3 drain with minimum 400mm is proposed ~~in this area.~~

9. ROADS

The roads in the colony are being planned such that minimum width of road provided in 9m carrier road leading to higher width of roads. The roads shall be ~~premixed~~ Constructed with 200 mm GSB + 250mm WMM + 50 DBM + 25mm thick BC ~~25mm bituminous layer over 10cm avg. water bound macadam over 15 cm thick stone sling over compacted~~ The provision for resurfacing of roads have been taken as under 50 mm thick BM + 25 mm thick premix carpet earth.

10. STREET LIGHTING

The provision has been made on lump sum basis

11. HORTICULTURE

The Usual provision of road side plantation of trees with guards has been made for all roads. The parks shall also be developed by providing lawns etc.

12. SPECIFICATIONS

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

13. RATES

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

14. COST

The total cost of the development in this project phase one including various PH & B & R services works out to ~~293.59~~ 532.74 lacs which include 3% contingency and P.E charges and 49% departmental charges prices escalation unforeseen, Administrative charges.

The cost per gross acre for this phase works out to Rs.~~53.50~~ 97.082 lacs which covers the provision of services like water supply, sewerage, Storm water drainage, roads street lighting and plantations including plantations maintenance thereof as well as future expansion whatsoever indicated.

Authorized Signatory

For RPS Infrastructure Ltd

For
M/s RPS INFRASTRUCTURE Ltd

Authorised Signatory

ARCHITECT
R.P. NIRALA
CA/2002/29507

WATER REQUIREMENT CALCULATIONS

Sr.No	Description	No. of units	Unit Population	Built up Area (Sq M)	Population (persons)		Unit Water Consumption (liters)	Total Water Required (lits)	Recycle Water Requirement (liters)	Total Recycle Water (liters)
1	Plots	119	13.5		1607	=	172.5	15812 ~~27127~~	0	0
2	Club / Community Centre / Population							~~10000~~	0	0
3	Commercial / Shopping			1853 X 32000	200	=	45	5930 ~~9000~~	0	0
~~4~~	~~Horticulture~~			~~[illegible]~~		=	~~6.10~~	~~11379.34~~	~~100%~~	~~11379.34~~
4.	Misc water requirement = 10000 lit						Total	307,501		11,379
							Total = 308863			Say = 310 KL
Total Permanent Population						=		1607	persons	
2	Additional Requirment for Institutional etc.									
a)	Commercial area					=		0.220	Acres	
	Therefore daily reuired 0.205 x 32000 Ltr/ Acres					=		7,040.00	Lit	
					OR	=		7.04	KL	
b)	Community Site Facilities									
	Area of Community Site					=		2,223.00	Sq.Mt	
					OR	=		0.55	Acres	
	Therefore daily required 25000 Ltr / Acres i.e 0.85 x 25000					=		13,732.90	Lit	
						=		14.00	KL	
					Total			~~21.04~~	~~KL~~	
5	Area under Green Park					=		1681.00 ~~4041.32~~	Sq.Mt	
				.4154	OR	=		.4154 ~~0.455~~	Acres	
	Therefore daily required 25000 Ltr / Acres i.e ~~0.455~~ x 25000					=		10835 ~~11,375.00~~	Lit	
				1.28		=		~~12.07~~	KL	
6	Area under ROAD out of ~~0.46875~~ Acres			1.28 X 5000		=		6400 ~~[illegible]~~	Lit.	
	Therefore required of sweeping of roads ~~2.03 x 2000~~					=		~~4000.00~~	Lit	
						=		17235 Lit ~~[illegible]~~	~~KL~~	Say 20 KL
TOTAL DAILY REQUIRMENT										
~~a)~~	~~For Domestic Use~~	~~=~~	~~1+2~~	~~270.78 + 21.04~~		~~=~~		~~307,621.63~~	~~KL~~	
~~b)~~	~~For Domestic Use~~	~~=~~	~~3+4~~	~~12.00 + 8.00~~		~~=~~		~~20.00~~	~~KL~~	
						=		~~307,641.63~~	~~KL~~ ~~[illegible]~~	~~310.00~~
Total Domestic Water Requirement @ ~~60%~~ 65%						=		201.50 ~~186.00~~	lit/day	Say = 205 KL
Total Recycle Water Requirement @ ~~40%~~ 35%						=		108.50 ~~124.00~~	lit/day	Say = 110 KL

1. BORE WELLS

Approx. Discharge of bore wells @~~18~~22KL/Hr and working ~~12~~16 Hrs/day

a)-Total water Demand = 310KLD

b)-Number of Bore wells = 310/~~12/18~~ 16/22 ~~= 1.43 Nos SAY 2.0 No's~~ 0.88 + 10% = 0.97 say = 1.00 No. HSVP

Since the entire water to be proposed development is to be supplied by ~~HUDA~~

It is proposed to install ~~TWO~~ one NUMBERS of bore wells to meet the present demand of drinking water only

2. PUMPING MACHINERY FOR BOREWELLS: -

A) - Gross working head 100 ~~= 70.00~~ Mtrs

B) - Average fall in S.L. 4.00 ~~= 6.00~~ Mtrs

C) - Depression Head = 6.00 Mtrs

D) - Friction Loss in Main = 5.00 Mtrs

115 mtrs

HP = 1800 ~~x 87~~ 115 x 1 / (60 x 60 x 75 x 0.60) 12.77 ~~= 9.67~~ Mts say ~~10~~ 15 HP

3. UNDERGROUND TANKS: -

A) - Daily demand (Domestic) = ~~246~~ 205 KLD Cap of UGT 25+33 = 58% say 60% = 123 KLD

Say ~~= 150~~ KLD 130 KLD

~~Total Provided = 200 KL~~

fire tank = 100 √1607/1000 = 100 x 1.27 = 127/3 = 42 Say = 70 KLD

Therefore, It is Proposed to construct Under Ground water tank of ~~100~~KL each in two Compartments for Domestic ~~use of 200KL~~ & fire fighting 200

UGT for Flushing Water Supply Daily Total requirement for Flushing Use Including Horticulture = ~~164+25 = 189 KL~~ 20+110 = 130 KL

Cap of UGT storage

25+33=58% say 60% of Daily demand

~~189~~ 130 x 0.60 = ~~113.40 Say 115 KL~~ = 78

Say = 80 KL

4	PUMPS FOR DOMESTIC WATER SUPPLY FOR UGT		
1	Potable water Requirement per day	~~246~~ 205	KL
2	Pumping Duration Per day	~~10~~ 8	Hrs
3	Suction Lift	0	Mts
4	Clear head Required (Height of the building)	~~10~~ 30	Mts
5	Residual Head	~~15~~ 05	Mts
6	Friction head loss	5	Mts
7	Total head required 205/8 = 25.63 KL	~~30~~ 40	Mts
8	Discharge of pump ~~246/2~~x10 = ~~13.0 cum/hrs~~ 25630/60 = 427 lit Say = 450 Lit	~~210~~ 450	LPM
9	Power required (LPM x head (m)/4500x.60	~~3.33~~ 6.66	HP

Say = 7.50 HP

Say	5.00	HP

It is proposed to provide 2 set of ~~3Nc's pumps~~ (2working & 1 stand by) of ~~5.00~~ 7.50 HP for

Domestic use only.

5	Pumps for Flushing water supply for UGT		
1	Flushing water Requirement per day	~~231~~ 130	KL
2	Pumping Duration per day	~~10~~ 8	Hrs
3	Suction Lift	0	Mtrs
4	Clear head Required (Heights of the building)	~~10~~ 30	Mts
5	Residual head	~~15~~ 5	Mts
6	Friction Head Loss	5	Mts
7	Total Head Required 130/8 = 16.25 KL	~~30~~ 40	Mts
8	Discharge of pump = ~~231/2 x 10 = 12.5 cum/H=295.83~~ 16250/60 = 270.83	~~250~~ 300	LPM
9	Power Required (LPM x Head(M)/4500x.60(effi)	~~2.31~~ 4.44	HP
Say		~~5.00~~ HP	HP

It is proposed to provide 2 set of ~~3 no's Pumps~~ (2working & 1 Stand by) of ~~3 HP~~ 5.00 For

Flushing use only.

Cap. of STP

Total daily water requirement = 310 KLD

Take 80% = 310 x 80% = 248 KLD

Say = 260 KLD

Cap of Gen. Set

2 No. Tubewell = 2 x 15.00 = 30.00 HP

Domestic boosting pump = 2 x 7.5 = 15.00 HP

Flushing boosting pump = 2 x 5.00 = 10.00 HP

55.00 HP

= 55 x .746 x 1.50 = 61.50 KVA

= Add for lighting = 3.50

65.00 KVA

Therefore, gen set of 65.00 KVA Cap. is to be provide,

FINAL ABSTRACT OF COST			
SUB WORKS	PERTICUERS	Amount in Lacs	
SUB WORKS NO-1	WATER SUPPLY	~~132.92~~ ~~98.57~~	Lacs 130.75
SUB WORKS NO-2	STORM WATER DRAINAGE	~~50.76~~ ~~31.90~~	Lacs 50.00
SUB WORKS NO-3	SEWERAGE	~~103.87~~ ~~60.13~~	Lacs 92.28
SUB WORKS NO-4	ROAD AN~~D FOOTPATH~~ parking	~~77.39~~ ~~44.11~~	Lacs 101.02
SUB WORKS NO-5	STREET LIGHTING	~~21.05~~ ~~12.632~~	Lacs 21.05
SUB WORKS NO-6	HORTICULTURE	1.99	Lacs 3.81
SUB WORKS NO-7	MAINTENANCE OF SERVICES FOR 10 YEAR INCLUDING RESURFACING OF ROAD AFTER 1st 5 YEAR AND 2nd 10 YEAR	~~44.24~~ ~~432.22~~	Lacs 133.83
	TOTAL COST	~~293.39~~	Lacs 532.74
	AREA OF THE SITE	5.488	ACRES
	COST FOR ONE ACRES	~~53.50~~ ~~78.76~~	Lacs/Acres Rs 97.082 Lacs Per Acre

EXECUTIVE ENGINEER
HSVP DIVISION No.-II
FARIDABAD

ARCHITECT
R.P. NIRALA
CA/2002/29507

SUPERINTENDING ENGINEER
HSVP CIRCLE, FARIDABAD

For RPS Infrastructure Ltd.

Authorised Signatory

Checked subject to comments
in forwarding letter No. 14592
Dt. 19/08/2021.....and notes
attached with the estimate

Additional Chief Engineer (HQ)
for Chief Engineer-I, HSVP
Panchkula
19/8/21

Director
Town & Country Planning
Haryana, Chandigarh

ABSTRACT OF COST					
Sub Work-No-1				WATER SUPPLY	
S.no	Particulars			(Amount in Lacks)	
1	SUB HEAD NO-01	HEAD WORKS	=	~~45.00~~ ~~34.74~~	~~47.71~~
2	SUB HEAD NO-02	PUMPING MACHINERY	=	14.75 ~~14.00~~	~~16.00~~
3	SUB HEAD NO-02	RISING MAIN	=	4.31 ~~1.75~~	~~1.84~~
4	SUB HEAD NO-03	DISTRIBUTION SYSYTEM	=	17.65 ~~10.48~~	~~15.79~~
5	SUB HEAD NO-04	FLUSHING/IRRIGATION	=	3.48 ~~3.27~~	
		TOTAL	=	85.19 ~~64.23~~	~~86.61~~
ADD 3% CONTINGENCIES & P.E CHARGES			=	2.50 ~~1.93~~	~~2.60~~
		TOTAL	=	87.75 ~~66.15~~	~~89.21~~
ADD 49% DEPTT.CHARGES, PRICE ESCALATION UNFORESEEN & ADMINISTRATION CHARGES			=	43.00 ~~32.42~~	~~43.71~~
		TOTAL	=	130.75 ~~98.57~~ Lacs.	

Say = 130.75 Lacs ~~132.92~~

EXECUTIVE ENGINEER
HSVP DIVISION No.-II
FARIDABAD

ARCHITECT
R.P. NIRALA
CA/2002/29507

For RPS Infrastructure Ltd.

Authorised Signatory

Sub work No. 1		Water Supply	
SUB HEAD No. 1		HEAD WORKS	
S.no	Description Qty. / Rate / Unit	Amount in Lacs	
1	Boring and installing 510 mm tube well with reverse rotary rig complete with pipe and strainer to a depth of about ~~120~~ 150 metre in all respect ~~2~~ one no. @ Rs. ~~3,00,000/-~~ each ~~9,00,000/-~~ 10.00	~~18.00~~ 10.00	Lacs
2	Provision for rising mains, connecting tube well with water main and bypass arrangements with DI/CI Pipe "B" Class of reputed make.		
	(a) ~~100~~ mm dia - 217 M @ Rs. ~~800/-~~ 1250/-	~~2.71~~ ~~1.74~~	Lacs
3	Providing and installing electricity driven pumping sets booster Pump for domestic and flushing supply capable of delivering following capacities of water complete with motor and other accessories.		
a)	Domestic Supply ~~320~~ 450 LPM @ ~~30~~ 40 Mts. Head, ~~5.0~~ 7.50 HP ~~(2+1=2No's)~~ 1+1 @ Rs 1.25 ~~1.00~~ Lacs each	2.50 ~~2.00~~	Lacs
b)	Flushing supply ~~250~~ 340 LPM @ ~~40~~ 35 Mts, Head ~~3~~ 5 HP ~~(2+1=3 No's)~~ 1+1=2 No @ Rs ~~0.50~~ 0.75 Lacs each ~~420+200=620 KL @ 3500/-~~	1.50 ~~1.00~~	Lacs
4	Construction of U.G Tanks of capacity of 200 ~~KL incl.~~ @ 4500 per KL	9.00 ~~12.00~~	Lacs
5	Const. of boundary wall around Tube well, water works site Inc. Footpath lawns ~~etc.~~ Conc. parking etc. Comp in all resp.	6.50 ~~12.00~~ 8.00	Lacs
~~6~~	~~Pump chamber 2 No @ 2,00,000/-~~	~~4.00~~	~~Lacs~~
6.	Const of boosting & 1 No pump chamber		
	Total	~~34.74~~ ~~51.71~~ 47.71 45.00 Lacs	Lacs
7.	Const. of one staff quarter for mtr.		

TUBE WELL MATERIAL STATEMENT		
	PIPELINE	~~100~~ 150 MM DIA
~~1~~	~~TW1 to A~~	~~120.00~~
2	TW-2 to A	35.00
3	A to UGT	62.00
	TOTAL	~~217.00~~ 97.00 mtr.

ARCHITECT
R.P. NIRALA
CA/2002/29507

EXECUTIVE ENGINEER
HSVP DIVISION No.-IX
FARIDABAD

For RPS Infrastructure Ltd.

Authorised Signatory

Sub work No. 1		Water Supply	
SUB HEAD No. 2		PUMPING MACHINERY	
S.no	Description Qty./ Rate / Unit	Amount in Lacs	
1	Providing and installing electrical driven elect of submersible pump sets capable of delivering about ~~18~~ 32 KL per Hrs against a total head ~~of 87M~~ 115 Complete with motor and other accessories. ~~2~~ 0.42 No's @ Rs ~~1.00~~ 1.25 Lacs	~~2.00~~ 1.25	Lacs
2	Prov. For cheap pressure type chlorination plants complete 2No's @ Rs 1.00 Lacs	1.00 ~~2.00~~	Lacs
3	Prov. For carriage of material and other unforeseen items (LS)	1.00 ~~2.00~~	Lacs
4	Provision for making foundation and erection of pumping machinery (LS)	0.50 ~~1.00~~	Lacs
5	Provision for pipes, valves and specials inside the pump chamber and boosting chamber (LS)	1.00 ~~2.00~~	Lacs
6	Provision for electric services connection including electrical fitting for tube well and boosting chamber etc including cost of transformer (L.S)	1.00	Lacs
~~7~~	~~Provision for carriage of material and other unforeseen items (L.S)~~	~~1.00~~	~~Lacs~~
~~8~~	~~Provision for construction of tube well chamber 1.50 x 1.50 x 2 No's @ Rs 2.00 Lacs each for Housing T. W~~	~~4.00~~	~~Lacs~~
~~9~~	~~Provision for construction of Boosting Chamber (L.S)~~	~~3.00~~	~~Lacs~~
	~~Total~~	~~14.00~~ ~~13.00~~	Lacs

(7) Providing & installing centrifugal boosting pump set, Cap. delivery water at 40 m head = 2.50
Comp. in all resp. (2 x 7.50 x 2 x 5.00) = 25 HP
for domestic & flushing
(8) Providing Genset at 65 KVA Cap. = 6.50
Rs - 14.75 Lacs

ARCHITECT
R.P. NIRALA
CA/2002/29507

EXECUTIVE ENGINEER
HSVP DIVISION No.-II,
FARIDABAD

For RPS Infrastructure Ltd.
Authorised Signatory

SUB WORK No. 1		HSVP Water Supply	
SUB HEAD No. 3		~~HUDA~~ RISING MAIN	
S.no	Description Qty./ Rate / Unit	Amount in Lacs	
1	Providing, Laying, Jointing & testing pipelines including cost of excavation etc complete in all respect 150 mm ~~110~~ DI pipe 217m @ 1575/mtr. (K-7)	1.53	
	C.I/D.I Pipe 100 mm dia = 20 Mtr @ ~~800~~ 1250/- Per SqMt	0.25 ~~0.160~~	Lacs
2	Providing & fixing sluice valve including cost of surface box and masonry chamber etc complete in all respect 150 mm ~~100~~ d/d No. @ 45000/-	0.45	
	100 mm i/d 1 No. @ ~~8000~~ 32000/-	~~0.080~~ 0.32	Lacs
3	Providing & Fixing indicating plates for sluice valve and air valves 1 no @ Rs. 1000/- each	0.010	Lacs
4	Provision of carriage for materials and other unforeseen items L.S.	0.50	Lacs
5	Provision for Making water supply connection with ~~HUDA~~ HSVP Line on master road (L/S)	0.50	Lacs
6	Provision for cutting of roads and making good to its original condition	0.50	Lacs
7.	Providing & fixing of fire hydrant complete with ~~in chamber~~ Dummy chamber 5 No. @ Rs. 10,000 each		
	TOTAL	~~1.75~~	Lacs
	(C/o to Abstract of cost for sub work No. 1)	~~1.84~~ 0.50	
		Total= 4.31 Lacs	

Material Statement		
	Line	HUDA - UG Tank
1	FROM MAIN TO UGT	20
	Total Length	20

ARCHITECT
R.P. NIRALA
CA/2002/29507

EXECUTIVE ENGINEER
HSVP DIVISION No.-II,
FARIDABAD

For RPS Infrastructure Ltd.

Authorised Signatory

MATERIAL STATEMENT OF WATER SUPPLY LINE DOMESTIC			
S.no	Line	Length in Mts	Length in Mts
		100 dia	150 dia
1	UGT-a	-	15
2	a-b	-	68
3	b-h	-	70
4	a-c	-	15
5	c-i	-	60
6	i-h	-	37
7	b-d	18	-
8	d-e	87	-
9	e-f	85	-
10	d-f	7	-
11	f-g	56	-
12	h-j	76	-
13	j-k	16	-
14	j-l	44	-
15	l-m	42	-
16	l-n	11	-
17	n-o	6	-
18	n-p	60	-
19	o-p	54	-
20	o-q	35	-
21	q-r	60	-
22	q-s	6	-
23	r-s	54	-
24	s-t	15	-
TOTAL		732	265

SUB WORK No. 1		Water Supply	
SUB HEAD No. 4		DISTRIBUTION SYSTEM	
			Domestic
S.no	Description Qty./ Rate / Unit (K-7)	Amount in Lacs	
1	Providing, Laying, Jointing and testing C.I./D.I pipe lines including Fittings, Valves, Cost of Excavation etc. complete in all respect	-	
	(Domestic)	-	
	150 mm Dia = 265 M @ Rs ~~900~~ 1575/- per Mtr.	~~2.39~~	Lacs 4.18
	100 mm Dia = 732 @ Rs ~~250~~ 125/- per Mtr.	~~5.49~~	Lacs ~~4.09~~ 9.15
2	Provision for carriage of materials and other unforeseen item (L.S)	0.50	Lacs
3	Providing & fixing of DI valves incl. cost of surface box & masonry chamber etc complete in all respect	-	
	100 mm dia ~~10~~ 6 Nos @ Rs ~~8000~~ 32000/- each	~~0.80~~ 1.92	Lacs
	150 mm dia ~~3~~ 2 Nos @ Rs ~~10000~~ 45000/- each	~~0.30~~ 0.90	Lacs
4	Provision for including Plate Air Valve, Scour Valve etc (L.S)	1.00	Lacs
	TOTAL	~~10.48~~	Lacs
	(C/o to Abstract of cost for sub work No. 1)	~~15.79~~ 17.65	

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CA/2002/29507

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HSVP DIVISION No.-II,
FARIDABAD

For RPS Infrastructure Ltd.
Authorised Signatory

MATERIAL STATEMENT FOR FLUSHING ~~LINE~~ / Irrigation

S.no	Line	Length	
		80 ~~100~~ MM DIA	
1	STP-I1	105	M
2	I1 -I2	88	M
	Total length	193	M

SUB WORK No. 1		Water Supply	
SUB HEAD No. 5		FLUSHING / IRRIGATION	
S.no	Description Qty./ Rate / Unit	Amount in Lacs	
1	Providing, Laying, Jointing & testing of HDPE 50mm i/d pipes lines confirming to IS 4985 (uPVC) including cost of excavation etc complete in all respect	- 1.45	
(a)	~~100~~ 80 mm Dia = 193 metre @ Rs. ~~850/-~~ 750 per Mtr 40mm Dia = 75 mtr @ 400 per mtr	~~1.64~~	Lacs
2	Providing & fixing 25 mm dia irrigation hydrant valve complete in all respect	6.30	
(a)	25mm dia = 15No's @ 2500 each	0.38	Lacs
3	Providing for carriage of material and other unforeseen items (Lump Sum)	0.30	Lacs
4	~~Providing~~ Provision for cutting road & making good to its original condition.	0.50	Lacs
5	Providing for irrigation Hydrant line 20/25mm (L.S)	0.15	Lacs
(6)	Providing & fixing of HDPE SV including cost of machinery 2 No @10,000 each	TOTAL ~~3.27~~ 0.20	Lacs
	~~(C/o to Abstract of cost for sub work No. 1)~~		

(7) P/f of air valves & scur valves including cost of brize machinery chamber 2 No. @10,000 each = 0.20

3.48

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MATERIAL STATEMENT OF STORM WATER					
S.no	Name of storm Line			Length of Drain in Meters	Dia of Drain in MM
1	2			3	4
1	a1	to	a	65	400
2	a2	to	a	81	400
3	a	to	b	25	400
4	b1	to	b	58	400
5	b	to	c	28	400
6	c1	to	c	8	400
7	c	to	d	69	400
8	e1	to	e	16	400
9	e2	to	e	55	400
10	e	to	f	50	400
11	f1	to	f	40	400
12	f2	to	f	58	400
13	f	to	d	41	400
14	d	to	OUT	29	400
TOTAL LENGTH				623	M

Sub work No. II				
		STORM WATER		
S.no	Description	Amount Rs		
1	Providing & Laying RCC pipe drain class NP-3 with cement joint manholes, excavation etc complete in all respect.			
(a)	R.C.C pipe 400 mm dia = 623 Mts @ Rs. ~~1250/-~~ 2500/-	~~7.79~~	Lacs	15.58
2	Provision for construction of Double Road Gullies with 300 mm i/d RCC pipe connecting with manholes complete in all respect (L.S)	2.00	Lacs	
3	Provision for carriage of Material and other unforeseen items (L.S)	1.00	Lacs	
4	Provision for lightning and Watching	1.00	Lacs	
5	Provision for making connection with ~~HUDA~~ HSVP Line (L.S)	1.00	Lacs	
6	Provision for cutting of roads and making good to its in original condition. (L.S)	1.00	Lacs	
7	Provision for timbering and shoring (L.S)	1.00	Lacs	
8	Provision for Rainwater Harvesting system at selected places as applicable ~~5~~ 5 Nos. @ 150000/- 2.50	5.00 ~~7.50~~ 3.00	Lacs	
9	Provision for Temporary Disposal arrangement till ~~HUDA~~ HSVP services are Provided	5.00 ~~3.00~~	Lacs	
	Total	~~20.79~~	Lacs	33.08 32.58
	Add 3% contingencies & PH Charges	~~0.62~~	Lacs	0.99 0.98
	Total	~~21.41~~	Lacs	34.07 33.56
	Add 49% departmental charges, price escalation unforeseen, admn. Charges	~~10.49~~	Lacs	16.69 16.44
	TOTAL	~~31.90~~	Lacs	50.76 50.00
	(C/o to Final Abstract of cost)	~~50.76~~		Lacs

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MATERIAL STATEMENT OF SEWERAGE					
Sr. No.	Name of Sewer Line			Length of Sewer in meters	Diameter of Sewer in MM
1	2			3	4
1	A	to	B	20	200
2	B1	to	B	50	200
3	B	to	C	38	200
4	C1	to	C	52	200
5	C	to	D	10	200
6	D1	to	D	45	200
7	D	to	E	43	200
8	E1	to	E	18	200
9	E	to	F	74	200
10	F1	to	F	14	200
11	F	to	G	38	200
12	G2	to	G1	60	200
13	G3	to	G1	78	200
14	G1	to	G	27	200
15	G	to	H	9	200
16	H1	to	H	57	200
17	H	to	STP	63	200
TOTAL LENGTH				696	M

Sub Swork No. III

SEWERAGE SCHEME

S.no	Description	Rs. (in lacs)	
1	Providing, Jointing, cutting & testing SW Pipes class 'A' and lowering into trenches including cost of Excavation, bed concrete, cost of manholes etc complete 1250/-	8.70	
(a)	SW pipe 200 mm =696M @ Rs.~~750~~/M	~~5.22~~	Lacs
2	Providing for carriage of material and other unforeseen items (L.S.)	1.00	Lacs
3	Provision for lighting and watching (LS)	1.00	Lacs
4	Provision for cutting of roads & making good to its in original condition. (LS)	1.00	Lacs
5	Provision for making connection with ~~HUDA~~ HSVP line on master road (LS)	1.00	Lacs
6	Provision for construction Sewerage Treatment Plant Including machinery complete in all respect. ~~cap - 285 KLD~~ 260 KLD @ Rs. 16000/KLD	41.60 ~~50.00~~ ~~25.00~~	Lacs
7	Provision for timbering & shoring (LS)	1.00	Lacs
8	Providing and laying ~~150 MM dia CI/DI rising main~~ 250 mm i/d SWP from STP to ~~HUDA~~ HSVP sewer line 122 Mts OF ~~800/-~~ Per Mtr Rs. 1500/- per Mtr.	1.83 ~~0.98~~	Lacs
9	Provision for oblique junction (LS)	1.00	Lacs
10	Provision for vent pipe as per P.H required (L.S)	2.00	Lacs
	Total	60.13 ~~39.20~~	Lacs
	Add 3% contingencies & PH Charges	1.80 ~~1.18~~	Lacs
	Total	61.93 ~~40.37~~	Lacs
	Add 49% departmental charges, price escalation unforeseen, admn. Charges	30.35 ~~19.78~~	Lacs
	TOTAL	~~60.15~~	Lacs
	(C/o to Final Abstract of cost)	92.28 Lacs	

~~67.68~~	
~~2.03~~	
~~69.71~~	
~~34.16~~	
~~103.87~~	

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MATERIAL STATEMENT FOR ROADS							
9 M WIDE ROAD							
A	=	78	x	1	=	78	M
B	=	42	x	1	=	42	M
C	=	46	x	1	=	46	M
D	=	61	x	1	=	61	M
E	=	52	x	1	=	52	M
F	=	95	x	1	=	95	M
G	=	114	x	1	=	114	M
H	=	51	x	2	=	102	M
			TOTAL 9.00 M WIDE ROAD		=	590	M
ROAD		LENGTH	WIDTH		=	TOTAL AREA	
9.00 M WIDE ROAD	=	590.00	5.50		=	3245.00	Sq.mt
5%		590	M		=	3245.00	Sq.mt
~~10%~~ FOR CURVE STONE/JUNCTION	=	~~59.00~~ 30.40	M		=	162.25 ~~324.50~~	Sq.mt
TOTAL	=	~~649.00~~	M		=	3407.25 ~~3569.50~~	Sq.mt
SAY		~~650~~ 620 mtr	M		=	~~3570.00~~ 3420	Sq.mt

Sub work No. IV — ROAD

1. Clearing & grubbing of site/land including up rooting of bushes shrubs sapling & trees growth upto 300 mm, removal of stretch use of trees, complete etc. 5.4875 Acre @ Rs. 2500/- Acre

S.no	Description	Units / Qty / Rate	Amount in Rs.	
1	Provision for levelling & earth filling as per site conditions 5.4875 Acres @ ~~Rs. 80000/-~~ ~~150000~~/ Under road Area under road = 1.30 Acre @ 4.10 Lac		~~8.23~~ ~~4.390~~ 4.37	Lacs
2 (i)	Construction of roads by providing Granular sub-base ~~350~~ 200 mm as per MORT & H Specifications conforming to clause 401 grading -B 400.1.		5.20	
(ii)	Providing, Laying, Spreading & compacting hand broken/ crushed stone aggregate to wet mix macadam confirming to physical requirements laid in 200 mm stone aggregate MORT & H Specification in two layers (compacted to 150mm (75+75) by taking material 1.32 times of the (thickness of the layer) including premixing of material with water in mechanical mixer.			
(iii)	50 mm thick ~~B.M.~~ DBM		40.92	
(iv)	~~20 mm thick MSS~~ 25 mm thick BC ~~1000/-~~		~~35.70~~	
	for ~~3570~~ 3410 sqm @ Rs. ~~500/-~~ 1200/- per sqm		~~17.85~~	Lacs
3	Provisions for kerbs and channels of CC (1:2:4) on both sides of road. ~~(650~~ 620 x 2) = ~~1300~~ 1240 Rmt @ Rs. ~~200/-~~ 800 per Mtr.		7.44 ~~2.60~~	Lacs
4	Provision for carriage of material and other unforeseen items (L.S.)		1.00	Lacs
5	Provision for Guide Map & Plot indicator. (LS)		0.50 ~~1.00~~	Lacs
6	Provision for Traffic Light Arrangement. (LS)		1.00	Lacs
7	Provision for Pavement ~~in commercial~~ area i.e 50% of the area 1:1/2:3 i.e 0.~~110~~ 1833 acres x 4047 = ~~445.15~~ 742.92 Sq.Mt say ~~450~~ 750 x ~~200 per Sq.mt~~ @ 700/Sqm		0.84 ~~0.90~~	Lacs
	Total		~~28.74~~ 7.56	Lacs
	Add 3% contingencies & PH Charges		~~0.86~~ 0.83	Lacs
	Total		~~29.60~~ 1.97	Lacs
	Add 49% departmental charges, price escalation unforeseen, admn. Charges		~~14.51~~ 67.80	Lacs
	TOTAL		~~44.11~~ 33.22	Lacs
	(C/o to Final Abstract of cost)		~~77.39~~ 101.02 Lacs	

Tatee 15% area for pavement = 112.50 say 120 Sqm, Const. of conc. parking = 630 @ 1200/- Sqm as per approved specification.

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Sub work No. V				
		STREET LIGHTING		
S.no	Description	Amount in Rs.		
1	Providing street lightning on roads at surrounding area as per standard specifications of HVPN complete in all respect = 5.4875 Acres (Complete) @ Rs.2.50 lacs (PER Acres)	13.72 ~~8.23~~ 13.72	Lacs	
	Total	~~8.231~~	Lacs	
	Add 3% contingencies & PH Charges	~~0.247~~	Lacs	0.41
	Total	~~8.478~~	Lacs	14.13
	Add 49% departmental charges, price escalation unforeseen, admn. Charges	~~4.154~~	Lacs	6.92
	TOTAL	~~12.632~~	Lacs	
	(C/o to Final Abstract of cost)	21.05		

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SUB WORK NO-VI				
		HORTICULTURE (Plantation & Roadside Trees)		
1	Development of Lawn Areas:		Amount in Rs.	
	a)	Trenching the ordinary Soil up to depth of 60 cm including removal and stacking Serviceable material and disposing of by spreading and levelling within a lead of 50m and making up the trenches area to proper levels by filling with earth mixed with manure before and after flooding trenches with water including cost of imported earth and manure		
	b)	Rough dressing of turfed area		
	c)	Grassing with "Doob Grass" including watering and maintenance of lawns for 30 days till the grass forms a thick lawn, free from weeds and fit moving in rows 7.5 m apart in either direction 1.50	0.62	
		1681 Sq.mt OR 0.4154 Acres ~~@ 1.0 Lacs /~~ Acres	~~0.415~~	Lacs
2	Provision and planting trees along boundary @ 12M interval			
	Total Road length 650/~~12~~ 12 = ~~55~~ 54 X 2 = ~~110~~ 144 No's			
	Cost Detail			
	Excavation	60.00		
	Manure	90.00		
	Tree Plants	150.00		
	Tree Guards	1000.00		
	Total	1300 1300.00	1.87	
	~~110~~ 144 No's tree @ Rs ~~800~~ 1300/-		~~0.88~~	Lacs 2.49
		Total	~~1.29~~	Lacs 0.07
Add 3% contingencies, PE & Consultancy Charges			~~0.04~~	Lacs 2.56
		Total	~~1.33~~	Lacs 1.25
Add 49% department charges, price, and escalation unforeseen Admin charges			~~0.65~~	Lacs 3.81 Lacs
		Total	~~1.99~~	Lacs
(C/o to Final Abstract of cost)				

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SUB WORK NO-VII		SERVICES & RESURFACING OF ROADS		
			Amount in Rs.	
1	Provision of MTC charges for Water Supply, SWD sewage, roads, street Lighting, Horticultural etc.			
	a)	Complete in all aspect, including operational & establishment charges as per ~~HUDA~~ Govt norms for 10 Years Completion	41.16	
	5.4875 Acres @ Rs ~~2.50~~ 1.80 Lacs per Acres/-		~~10.98~~	Lacs
2	Provision for re-surfacing of roads after 5 years of mtc. one layer of ~~100~~ 80 mm thick ~~BUSG compacted to 75 mm~~ BM & SDBC thick per mix carpet with Seal coat			
3410	~~3570~~ @ Rs ~~200~~ 600/- per Sq.mt		~~7.14~~ 20.46	Lacs
3	Re-Surfacing of roads after 10 years of Mtc. i.e. 50 mm thick BM with 25 mm thick pre mix carpet with mechanical paver			
	~~3570~~ 3410 @ Rs ~~300~~ 750/- per Sq.mt		~~10.71~~ 25.58	Lacs
		Total	~~28.83~~	Lacs 87.20
Add 3% contingencies, PE & Consultancy Charges			~~0.86~~	Lacs 2.62
		Total	~~29.69~~	Lacs 89.82
Add 49% department charges, price, and escalation unforeseen Admin charges			~~14.55~~	Lacs 44.01
		Total	~~44.24~~	Lacs 133.83 Lacs
(C/o to Final Abstract of cost)				

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For RPS Infrastructure Ltd.

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DESIGN STATEMENT OF SEWERAGE SCHEME for Affordable Plotted colony over an area measuring 5.4875 Acres under the *Deen Dayal Jan Awas Yojna* in sector-88, FARIDABAD Haryana being Developed by RPS INFRASTRUCTURE Ltd.

Sr. No.	Name of Sewer Line			Number of D.U			Total Number of Person's @ 13.5 Person"s / Flat	Water Requirment @ 172.50 Litres Per Person	Water Requirment of COMMERCIAL in Litres	Water Requirment of COMMUNITY SITE	Total Water Requirement in Ltrs	Total Water Requirement in Gallons	Dis chargs in gallous @ 3 Times the DWF.Reaching 75% in the Sewer	Design Dischargs in Cusecs	Design Velouity in Meter Per Second	Length of Sewer in meters	Diametter of Sewer in MM	Slope	Fall in meter	Formation Level		Invert Level		Depth		Average depth.
				Main	Branch	Total														Upper End	Lower End	Upper End	Lower End	Upper End	Lower End	
1	2			3	4	5	9	10	11	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	A	to	B	3	0	3	40.50	6986	0	0	6986	1539	0.01	0.44	0.76	20	200	150	0.13	213.95	213.94	213.05	212.92	0.90	1.02	0.96
2	B1	to	B	14	0	14	189.00	32603	0	0	32603	7181	0.03	0.44	0.76	50	200	150	0.33	213.96	213.94	213.06	212.73	0.90	1.21	1.06
3	B	to	C	6	17	23	310.50	53561	0	0	53561	11798	0.05	0.44	0.76	38	200	150	0.25	213.94	213.92	212.73	212.47	1.21	1.45	1.33
4	C1	to	C	7	0	7	94.50	16301	0	50000	66301	14604	0.06	0.44	0.76	52	200	150	0.35	213.94	213.92	213.04	212.69	0.90	1.23	1.06
5	C	to	D	1	30	31	418.50	72191	0	50000	122191	26914	0.11	0.44	0.76	10	200	150	0.07	213.92	213.92	212.47	212.41	1.45	1.51	1.48
6	D1	to	D	7	0	7	94.50	16301	0	0	16301	3591	0.01	0.44	0.76	45	200	150	0.30	213.94	213.92	213.04	212.74	0.90	1.18	1.04
7	D	to	E	0	38	38	513.00	88493	0	50000	138493	30505	0.13	0.44	0.76	43	200	150	0.29	213.92	213.90	212.41	212.12	1.51	1.78	1.65
8	E1	to	E	3	0	3	40.50	6986	0	0	6986	1539	0.01	0.44	0.76	18	200	150	0.12	213.91	213.90	213.01	212.89	0.90	1.01	0.96
9	E	to	F	20	41	61	823.50	142054	0	50000	192054	42303	0.18	0.44	0.76	74	200	150	0.49	213.90	213.88	212.12	211.63	1.78	2.25	2.02
10	F1	to	F	2	0	2	27.00	4658	0	0	4658	1026	0.00	0.44	0.76	14	200	150	0.09	213.88	213.88	212.98	212.89	0.90	0.99	0.95
11	F	to	G	5	63	68	918.00	158355	0	50000	208355	45893	0.19	0.44	0.76	38	200	150	0.25	213.88	213.86	211.63	211.37	2.25	2.49	2.37
12	G2	to	G1	7	0	7	94.50	16301	0	0	16301	3591	0.01	0.44	0.76	60	200	150	0.40	213.90	213.87	213.00	212.60	0.90	1.27	1.09
13	G3	to	G1	12	0	12	162.00	27945	0	0	27945	6155	0.03	0.44	0.76	78	200	150	0.52	213.89	213.87	212.99	212.47	0.90	1.40	1.15
14	G1	to	G	0	19	19	256.50	44246	0	0	44246	9746	0.04	0.44	0.76	27	200	150	0.18	213.87	213.86	212.47	212.29	1.40	1.57	1.49
15	G	to	H	0	87	87	1174.50	202601	0	50000	252601	55639	0.23	0.44	0.76	9	200	150	0.06	213.86	213.86	211.37	211.31	2.49	2.55	2.52
16	H1	to	H	16	0	16	216.00	37260	25000	0	62260	13714	0.06	0.44	0.76	57	200	150	0.38	213.88	213.86	212.98	212.60	0.90	1.26	1.08
17	H	to	STP	12	103	115	1552.50	267806	25000	50000	342806	75508	0.31	0.44	0.76	63	200	150	0.42	213.86	213.84	211.31	210.89	2.55	2.95	2.75

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For RPS Infrastructure Ltd.

Authorised Signatory

DESIGN STATEMENT OF STORM WATER SCHEME for Affordable Plotted colony over an area measuring 5.4875 Acres under the Deen Dayal Jan Awas Yojna in sector-88, FARIDABAD Haryana being Developed by RPS INFRASTRUCTURE Ltd

S.no	Name of storm Line			Area in Acres			Required Discharge in cuses @ 1/4" Rain fall intencity per hour	Length of Drain in Meters	Dia of Drain in MM	Design Discharge in Cuses	Design Velocity in Meter per second	Slope	Fall in Meters	Formation Level		Invert Level		Depth		Average Depth
				Self	Branch	Total								At Upper End	At Lower End	At Upper End	At Lower End	At Upper End	At Lower End	
1	2			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	a1	to	a	0.32	0	0.32	0.08	65	400	4.18	0.91	500	0.13	213.90	213.87	212.70	212.57	1.20	1.30	1.25
2	a2	to	a	0.80	0	0.80	0.20	81	400	4.18	0.91	500	0.16	213.89	213.87	212.69	212.53	1.20	1.34	1.27
3	a	to	b	0.25	1.12	1.37	0.34	25	400	4.18	0.91	500	0.05	213.87	213.86	212.53	212.48	1.34	1.38	1.36
4	b1	to	b	0.59	0	0.59	0.15	58	400	4.18	0.91	500	0.12	213.88	213.86	212.68	212.56	1.20	1.30	1.25
5	b	to	c	0.25	1.96	2.21	0.55	28	400	4.18	0.91	500	0.06	213.86	213.88	212.48	212.42	1.38	1.46	1.42
6	c1	to	c	0.20	0	0.20	0.05	8	400	4.18	0.91	500	0.02	213.88	213.88	212.68	212.66	1.20	1.22	1.21
7	c	to	d	0.50	2.41	2.91	0.73	69	400	4.18	0.91	500	0.14	213.88	213.90	212.42	212.28	1.46	1.62	1.54
8	e1	to	e	0.18	0	0.18	0.05	16	400	4.18	0.91	500	0.03	213.95	213.94	212.75	212.72	1.20	1.22	1.21
9	e2	to	e	0.32	0	0.32	0.08	55	400	4.18	0.91	500	0.11	213.96	213.94	212.76	212.65	1.20	1.29	1.24
10	e	to	f	0.36	0.50	0.86	0.22	50	400	4.18	0.91	500	0.10	213.94	213.92	212.65	212.55	1.29	1.37	1.33
11	f1	to	f	0.65	0	0.65	0.16	40	400	4.18	0.91	500	0.08	213.94	213.92	212.74	212.66	1.20	1.26	1.23
12	f2	to	f	0.50	0	0.50	0.13	58	400	4.18	0.91	500	0.12	213.94	213.92	212.74	212.62	1.20	1.30	1.25
13	f	to	d	0.22	2.01	2.23	0.56	41	400	4.18	0.91	500	0.08	213.92	213.90	212.55	212.47	1.37	1.43	1.40
14	d	to	OUT	0.35	5.14	5.49	1.37	29	400	4.18	0.91	500	0.06	213.90	213.91	212.28	212.23	1.62	1.68	1.65

ARCHITECT
R.P. NIRALA
CA/2002/29507

For RPS Infrastructure Ltd.

Authorised Signatory

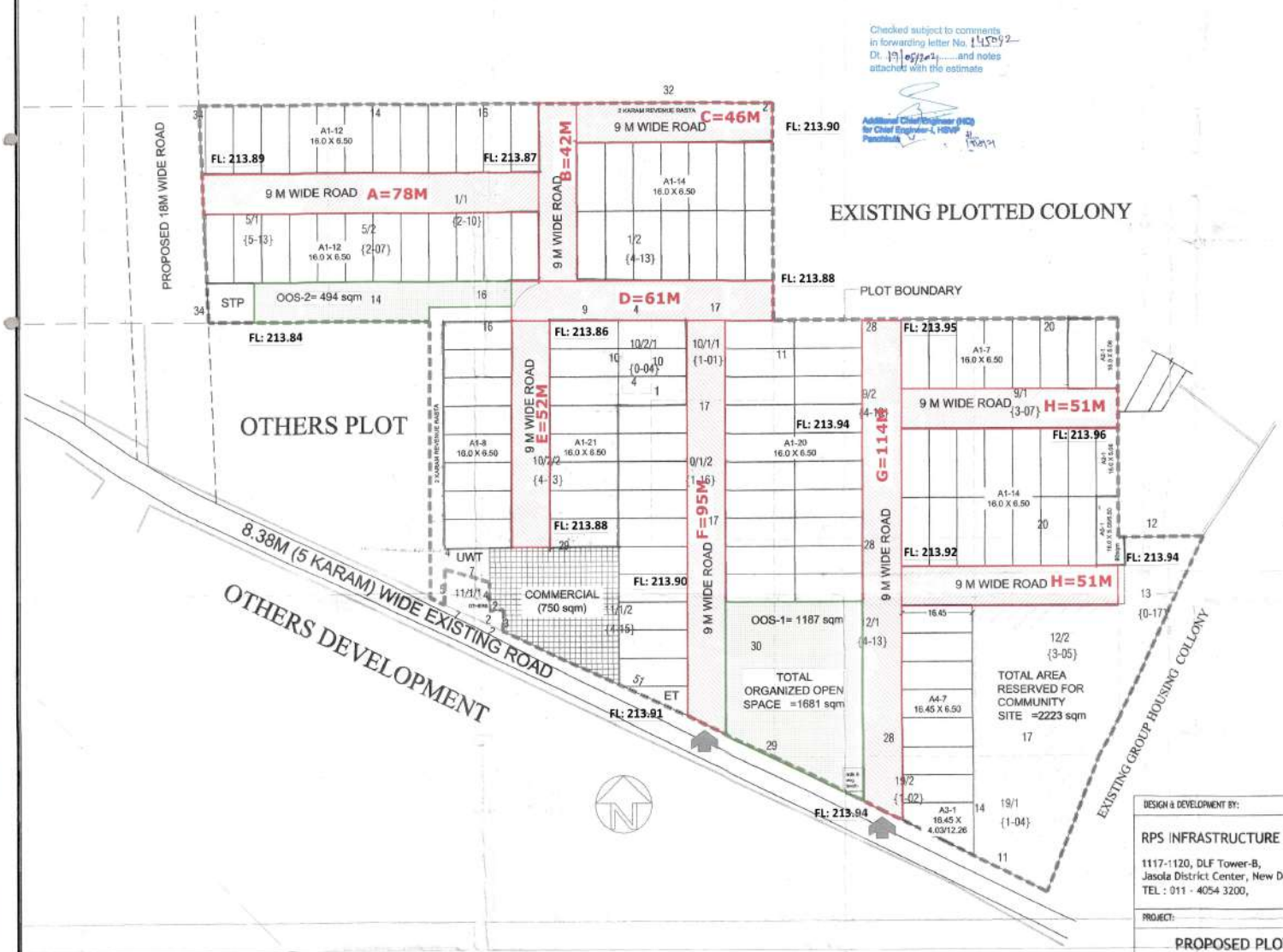
DESIGN STATEMENT OF WATER SCHEME for Affordable Plotted colony over an area measuring 5.4875 Acres under the Deen Dayal Jan Awas Yojna in sector-88, FARIDABAD Haryana being Developed by RPS INFRASTRUCTURE Ltd

Sr.No	Name of Pipe line	NUMBER OF DWELLING UNITS			13.5 Person Per PLOT	Water Requirment @ 155 liters per person	Water Requirement for Community centre in litres	Water Requirement for Commercial area in litres	Total Requirement of water in litres	Discharge in Liters @ 2.5 times in litres	Length of Pipe Line	Dia of Pipe Line	Loss of head in 1000 Metres	Total Loss of head in Metres	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	UGT-a	0	119	**119**	595.00	92225	0	0	92225	230563	15	150	3.43	0.01	Ground Level at Site of UGSR
2	a-b	8	7	**15**	75.00	11625	0	0	11625	29063	68	150	7.45	0.45	
3	b-h	7	0	**7**	35.00	5425	0	0	5425	13563	70	150	6.6	0.3	
4	a-c	0	73	**73**	365.00	56575	0	0	56575	141438	15	150	3.1	0.17	
5	c-i	8	0	**8**	40.00	6200	0	0	6200	15500	60	150	2.06	0.06	
6	i-h	0	65	**65**	325.00	50375	0	0	50375	125938	37	150	0.57	0.04	
7	b-d	0	31	**31**	155.00	24025	0	0	24025	60063	18	100	0.57	0.06	
8	d-e	12	0	**12**	60.00	9300	0	0	9300	23250	87	100	0.62	0.04	
9	e-f	12	7	**19**	95.00	14725	0	0	14725	36813	85	100	3.43	0.25	
10	d-f	0	7	**7**	35.00	5425	0	0	5425	13563	7	100	7.45	0.04	
11	f-g	7	0	**7**	35.00	5425	0	0	5425	13563	56	100	6.6	0.01	
12	h-j	22	43	**65**	325.00	50375	0	0	50375	125938	76	100	3.1	0.45	
13	j-k	1	0	**1**	5.00	775	0	0	775	1938	16	100	2.06	0.3	
14	j-l	0	42	**42**	210.00	32550	0	0	32550	81375	44	100	0.57	0.17	
15	l-m	8	0	**8**	40.00	6200	0	0	6200	15500	42	100	0.57	0.06	
16	l-n	1	0	**1**	5.00	775	0	0	775	1938	11	100	0.62	0.04	
17	n-o	1	32	**33**	165.00	25575	0	0	25575	63938	6	100	1.74	0.06	
18	n-p	0	8	**8**	40.00	6200	0	0	6200	15500	60	100	0.62	0.04	
19	o-p	7	0	**8**	40.00	6200	0	0	6200	15500	54	100	2.06	0.25	
20	o-q	5	20	**25**	125.00	19375	0	0	19375	48438	35	100	0.57	0.04	
21	q-r	8	12	**20**	100.00	15500	0	0	15500	38750	60	100	3.43	0.25	
22	q-s	2	10	**12**	60.00	9300	0	0	9300	23250	6	100	7.45	0.04	
23	r-s	8	0	**8**	40.00	6200	0	0	6200	15500	54	100	6.6	0.01	
24	s-t	2	0	**2**	10.00	1550	0	0	1550	3875	15	100	3.1	0.45	

ARCHITECT
R.P. NIRALA
CA/2002/29507

For RPS Infrastructure Ltd.

Authorised Signatory.



Checked subject to comments in forwarding letter No. 11450/2 Dt. 19/05/2021 ....and notes attached with the estimate

Additional Chief Engineer (HQ) for Chief Engineer-I, HSVP Panchkula

AREA STATEMENT FOR DDJAY SCHEME					
S. NO.	DETAILS	PERMISSIBLE AREA (IN ACRES)	PERMISSIBLE %AGE	PROPOSED AREA (IN ACRES)	PROPOSED %AGE
1	NET PLANNED AREA	5.4875	100		
2	OPEN GREEN SPACE / PARK	0.4338	7.90	0.4354	7.97
3	30% AREA TO BE TRANSFER FREE OF COST	0.5480	30.00	0.5490	10.01
4	COMMERCIAL AREA	0.3195	6.00	0.1850	3.38
5	AREA UNDER PLOTS	3.3474	61.00	1.0560	19.69
6	TOTAL PERMISSIBLE SALEABLE AREA	2.5660	65.00	3.2413	59.07

DETAIL OF PLOTS								
S. NO.	TYPE	LENGTH		WIDTH	AREA (SQM)	NO. OF PLOTS	TOTAL AREA	
1	A1	16.00 X		6.50	104	108	11232	
2	A2	16.00 X		5.08	81.28	2	162.56	
3	A3	16.45 X		4.08/12.26	133.99	1	133.98625	
4	A4	16.45 X		6.50	106.93	7	748.475	
5	A5	16.00 X		5.08/6.50	90.00	1	90	
					TOTAL	118	12367	SQM
							3.0560	ACRES
5	COMMERCIAL PLOT						750	SQM
							0.1853	ACRES
DENSITY DETAIL								
	118	X	13.5 =		1606.5	292.76	PER/ACRE	
ORGANIZED OPEN SPACE/AREA DETAIL								
REQUIRED AREA 7.9% OF NET PLANNED AREA				0.4338	ACRE			
OOS-1		=	1187	SQM				
OOS-2		=	494	SQM				
TOTAL			1681	SQM				
			0.4154	AC.RE				
LEGEND								
1	STP		185 KLD	100 SQM				
2	WT	UG WATER TANKS	150 KL	70.53 SQM				
3	ET	ELECTRICAL SERVICES		35 SQM				
4	MLB & VTS BOOTH		3.0 X 5.5	27.5 SQM				
5	OOS	ORGANIZED OPEN SPECES						
REQUIRED 50% AREA AS PER POLICY				=	0.6154 SQM			

DETAIL OF 50% PLOTS RESERVED AS PER POLICY							
S. NO.	TYPE	LENGTH	WIDTH	AREA	NO. OF PLOTS	TOTAL AREA	
1	A1	16.00 X	6.5	104	58	6032	
2	A2	16.00 X	5.08	81.28	1	81.28	
2	A5	16.00 X	5.08/6.50	90.00	1	90	
						6203.28	50.16%

RPS INFRASTRUCTURE LTD.
AUTHORISED SIGNATORY

AR. SHIV KUMAR
CA No. 75356

To be read with Licence No. 11 of 2019 Dated 01-02-2019

That this Layout plan for an area measuring 5.4875 acres (Drawing no. DTCP-6741 dated 04.01.2019) comprised of licence which is issued in respect of Affordable Residential Plotted Colony (Under Deen Dayal Jan Awas Yojna) being developed by RPS Infrastructure Ltd. in Sector-88, Faridabad is hereby approved subject to the following conditions:-

1. That this Layout Plan shall be read in conjunction with the clauses appearing on the agreement executed under Rule 11 and the bilateral agreement.
2. That the plotted area of the colony shall not exceed 65% of the net planned area of the colony. The entire area reserved for commercial purposes shall be taken as plotted for calculation of the area under plots.
3. That the demarcation plans as per site of all the Residential Plots and Commercial site shall be got approved from this Department and construction on these sites shall be governed by the Haryana Building Code, 2017 and the Zoning Plan approved by the Director, Town & Country Planning, Haryana.
4. That for proper planning and integration of services in the area adjacent to the colony, the colonizer shall abide by the directions of the DTCP for the modification of layout plans of the colony.
5. That the revenue rasta falling in the colony shall be kept free for circulation/movement as shown in the layout plan.
6. That the colonizer shall abide by the directions of the DTCP, Haryana and accordingly shall make necessary changes in the layout plan for making any adjustment in the alignment of the peripheral roads. Internal road circulation or for proper integration of the planning proposals of the adjoining areas.
7. That no property/plot shall derive access directly from the carriage way of 30 metres or wider sector road if applicable.
8. All green belts provided in the layout plan within the licenced areas of the colony shall be developed by the colonizer. All other green belts outside the licenced area shall be developed by the Haryana Urban Development Authority/colonizer on the directions of the Director, Town and Country planning, Haryana or in accordance with terms and conditions of the agreements of the licence.
9. At the time of demarcation plan, if required percentage of organized open space is reduced, the same will be provided by the colonizer in the licenced area.
10. No plot will derive an access from less than 9 metres wide road would mean a minimum clear width of 9 metres between the plots.
11. Any excess area over and above the permissible 4% under commercial use shall be deemed to be open space.
12. The portion of the sector/development plan roads /green belts as provided in the Development Plan if applicable, which form part of the licenced area shall be transferred free of cost to the government on the lines of Section 3(3)(a)(iii) of the Act No.8 of 1975.
13. That the odd size plots are being approved subject to the conditions that these plots should not have a frontage of less than 75% of the standard frontage when demarcated.
14. That you will resolve objection for regularization of the excess of the licence through give and take with the land that HUDA is finally able to acquire in the interest of planned development and integration of services. The decision of the competent authority shall be binding in this regard.
15. That the rain water harvesting system shall be provided as per Central Ground Water Authority norms/Haryana Govt. notification is applicable.
16. That the colonizer/owner shall use only Light-Emitting Diode lamps (LEDs) fitting for internal lighting as well as Campus lighting.
17. That the colonizer/owner shall ensure the installation of Solar Power Plant as per provisions of Haryana Solar Power Policy, 2016 issued by Haryana Government Renewable Energy Department vide Notification No. 19/4/2016-5 Power dated 14.03.2016.
18. That the colonizer/owner shall ensure the installation of Solar Photovoltaic Power Plant as per the provisions of order No.22/52/2010-5Power dated 21.03.2016 issued by Haryana Government Renewable Energy Department.
19. That the colonizer/owner shall strictly comply with the directions issued vide Notification No. 19/6/2016-5P dated 31.03.2016 issued by Haryana Government Renewable Energy Department for enforcement of the Energy Conservation Building Codes.

(VIJENDER SINGH) DTP (HQ) | (P.P. SINGH) STP (EGV) | (JITENDER SIHAG) CTP (HR) | (K.MAKRAND PANDURANG, IAS) DTCP (HR)

(NARINDER KUMAR) AD (HQ) | (S.K.SAINI) ATP (HQ)

ARCHITECT
R.P. NIRALA
CA/2002/29557

For RPS Infrastructure Ltd.
Authorised Signatory

SUPERINTENDING ENGINEER
HSVP CIRCLE, FARIDABAD

EXECUTIVE ENGINEER
HSVP DIVISION NO. II
FARIDABAD

Town & Country Planning Haryana Chandigarh

DESIGN & DEVELOPMENT BY:

RPS INFRASTRUCTURE LTD.

1117-1120, DLF Tower-B,
Jasola District Center, New Delhi -110025
TEL : 011 - 4054 3200,

PROJECT:

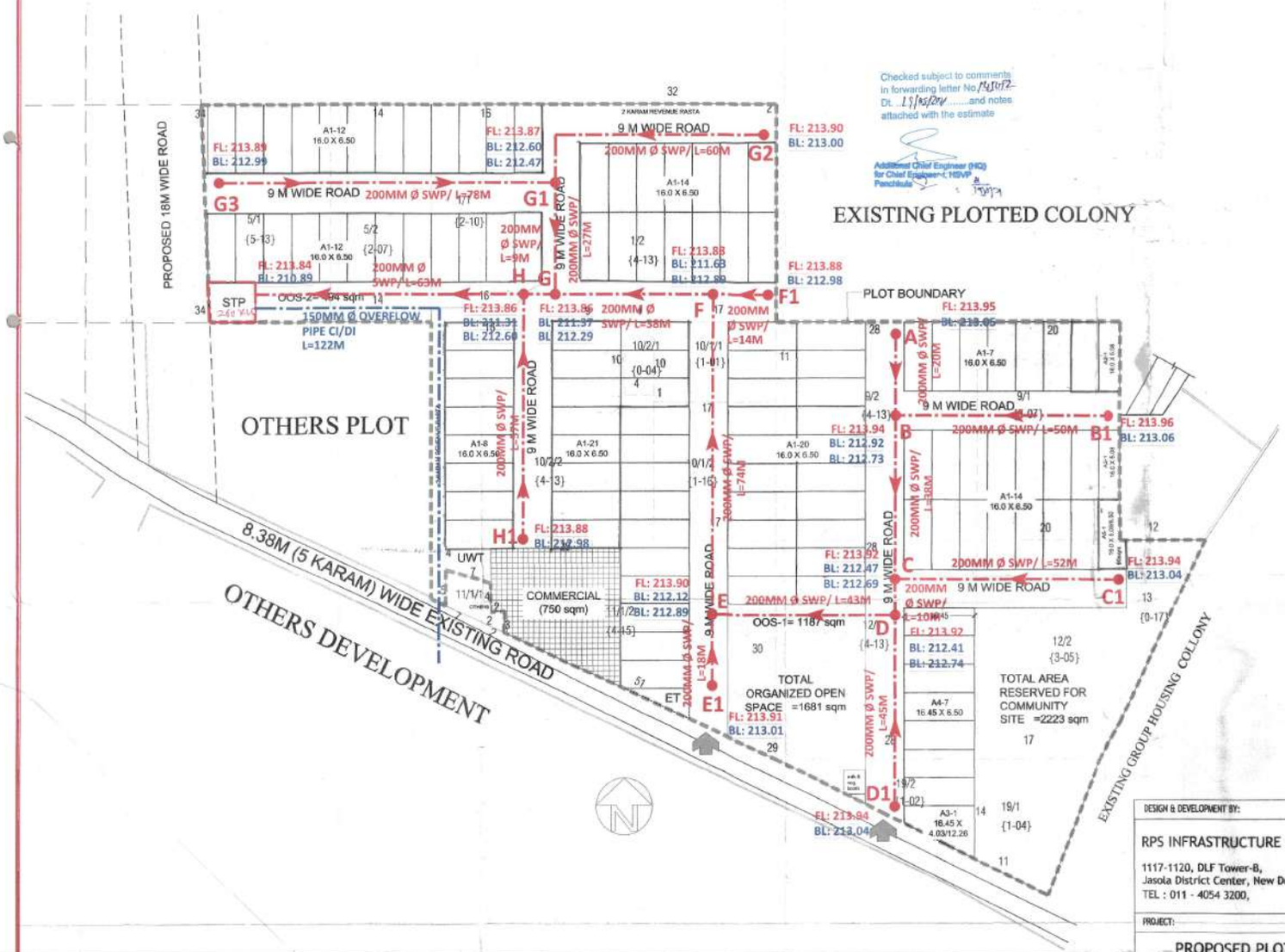
PROPOSED PLOTTED COLONY UNDER DDJAY, AT SEC. 88 FARIDABAD

DRAWING TITLE:

LAYOUT PLAN OF THE PROPOSED COLONY
(SCHEMATIC ARRANGEMENT)

DATE :	24 MAY 2018		REVISION
DEALT BY	RPN		R0
CHKD BY	AS		
DESIGN BY	RPN	DRAWING NO.	
SCALE :	1:500		
PRINT-ST :	A1-1/1	RPS-PDA-A000	

ROAD SCHEME



Checked subject to comments in forwarding letter No. 14517-2 Dt. 13/05/2019 .....and notes attached with the estimate

Additional Chief Engineer (HQ) for Chief Engineer-I, HSVP Panchkula

AREA STATEMENT FOR DDJAY SCHEME					
S. NO.	DETAILS	PERMISSIBLE AREA (IN ACRES)	PERMISSIBLE %AGE	PROPOSED AREA (IN ACRES)	PROPOSED %AGE
1	NET PLANNED AREA	5.4875	100		
2	OPEN GREEN SPACE / PARK	0.4116	7.50	0.4154	7.57
3	30% AREA TO BE TRANSFER FREE OF COST	0.5488	30.00	0.5499	30.03
4	COMMERCIAL AREA	0.2195	4.00	0.1854	3.38
5	AREA UNDER PLOTS	3.3474	61.00	3.0560	55.68
6	TOTAL PERMISSIBLE SALEABLE AREA	3.5669	65.00	3.2413	59.07

DETAIL OF PLOTS								
S. NO.	TYPE	LENGTH	WIDTH	AREA (SQM)	NO. OF PLOTS	TOTAL AREA	
1	A1	16.00 X	6.50	104	108	11232	
2	A2	16.00 X	5.08	81.28	2	162.56	
3	A3	16.45 X	4.03/12.26	133.95	1	133.9525	
4	A4	16.45 X	6.50	106.93	7	748.475	
5	A5	16.00 X	5.08/6.50	90.00	1	90	
				TOTAL	119	12367	SQM
						3.0560	ACRES
5	COMMERCIAL PLOT					750	SQM
						0.1853	ACRES
DENSITY DETAIL							
	119 X		13.5 =	1606.5	292.76	PER/ACRE	
ORGANIZED OPEN SPACE AREA DETAIL							
REQUIRED AREA 7.5% OF NET PLANED AREA			0.4116	ACRE			
OOS-1	=		1187	SQM			
OOS-2	=		494	SQM			
TOTAL			1681	SQM			
			0.4154	ACRE			

LEGEND					
1	STP		185 KLD	100 SQM	
2	WT	UG WATER TANKS	150 Kl	70.52 SQM	
3	ET	ELECTRICAL SERVICES		35 SQM	
4	MBE & VEG BOOTH		5.0 X 5.5	27.5 SQM	
5	OOS	ORGANIZED OPEN SPECES			

REQUIRED 50% AREA AS PER POLICY - 6184 SQM

DETAIL OF 50% PLOTS RESERVED AS PER POLICY							
S. NO.	TYPE	LENGTH	WIDTH	AREA	NO. OF PLOTS	TOTAL AREA	
1	A1	16.00 X	6.5	104	58	6032	
2	A2	16.00 X	5.08	81.28	1	81.28	
3	A5	16.00 X	5.08/6.50	90.00	1	90	
						6203.28	50.38%

RPS INFRASTRUCTURE LTD.
AUTHORISED SIGNATORY

AR. SHIV KUMAR
CA No. 75356

To be read with Licence No. 11 of 2019 Dated 01-02-2019

That this Layout plan for an area measuring 5.4875 acres (Drawing no. DTCP-6741 dated 04.01.2019) comprised of licence which is issued in respect of Affordable Residential Plotted Colony (Under Deen Dayal Jan Awas Yojna) being developed by RPS Infrastructure Ltd. in Sector-88, Faridabad is hereby approved subject to the following conditions:-

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9. At the time of demarcation plan, if required percentage of organized open space is reduced, the same will be provided by the colonizer in the licenced area.
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13. That the odd size plots are being approved subject to the conditions that these plots should not have a frontage of less than 75% of the standard frontage when demarcated.
14. That you will furnish a objection to the regularization of the excesses of the licence through give and take with the land that HSIIDA is finally able to acquire in the interest of planned development and integration of services. The decision of the competent authority shall be binding in this regard.
15. ~~That the rain water harvesting system shall be provided as per Central Ground Water Authority norms/Haryana Govt. notification is applicable.~~
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19. That the colonizer/owner shall strictly comply with the directions issued vide Notification No. 19/6/2016-5P dated 31.03.2016 issued by Haryana Government Renewable Energy Department for enforcement of the Energy Conservation Building Codes.

(VIJENDER SINGH) DTP (HQ) | (P.K. SINGH) STP (E&V) | (JITENDER SHAG) CTP (HR) | (K.MAKRAND PANDURANG, IAS) DTCP (HR)

(NARINDER KUMAR) AD (HQ) | (S.K.SAINI) ATP (HQ)

SEWERAGE SCHEME

200/250/300 MM Ø S.W.PIPE SEWER PIPE

213.95 FORMATION LEVEL

212.75 INVERT LEVEL

Director Town & Country Planning Haryana, Chandigarh

ARCHITECT R.P. MIRALA CA/2002/27507

SUPERINTENDING ENGINEER HSVP CIRCLE, FARIDABAD

For RPS Infrastructure Ltd. Authorised Signatory

EXECUTIVE ENGINEER HSVP DIVISION NO. II FARIDABAD

DESIGN & DEVELOPMENT BY:

RPS INFRASTRUCTURE LTD.

1117-1120, DLF Tower-B,
Jasola District Center, New Delhi -110025
TEL : 011 - 4054 3200,

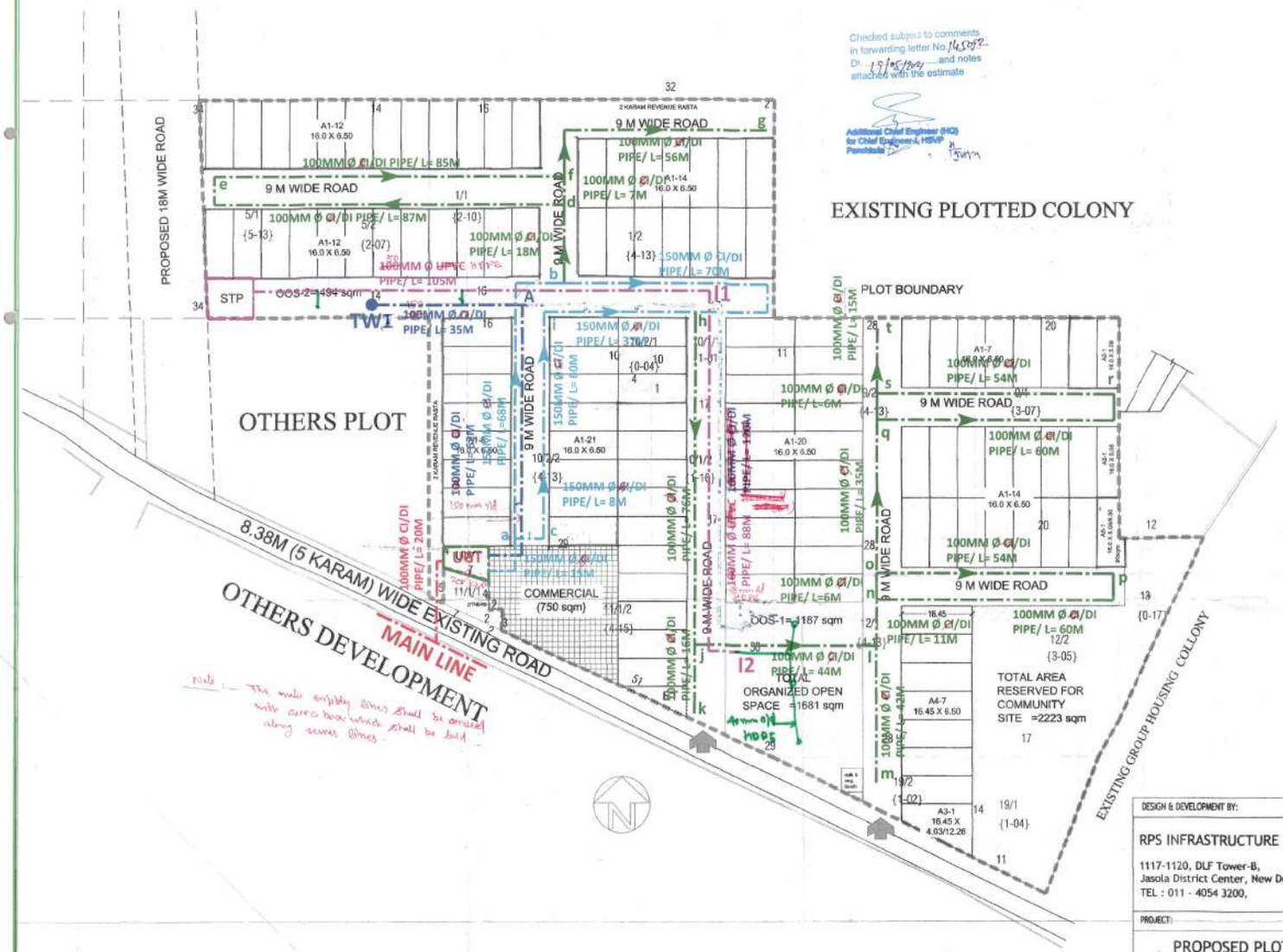
PROJECT:

PROPOSED PLOTTED COLONY UNDER DDJAY, AT SEC. 88 FARIDABAD

DRAWING TITLE :

LAYOUT PLAN OF THE PROPOSED COLONY
(SCHEMATIC ARRANGEMENT)

DATE :	24 MAY 2018		REVISION
DEALT BY	RPN		R0
CHKD BY	AS		
DESIGN BY	RPN	DRAWING NO.	
SCALE :	1:500		
PRINT-ST :	A1-1/1	RPS-PDA-A000	



Checked subject to comments in forwarding letter No. 14502 Dt. 19/05/2017 and notes attached with the estimate

Additional Chief Engineer (HQ) for Chief Engineer-I, HSVP Panchkula

AREA STATEMENT FOR DDJAY SCHEME					
S. NO.	DETAILS	PERMISSIBLE AREA (IN ACRES)	PERMISSIBLE %AGE	PROPOSED AREA (IN ACRES)	PROPOSED %AGE
1	NET PLANNED AREA	5.4875	100		
2	OPEN GREEN SPACE / PARK	0.4336	7.90	0.4354	7.97
3	10% AREA TO BE TRANSFER FREE OF COST	0.5488	10.00	0.5493	10.01
4	COMMERCIAL AREA	0.2109	4.00	0.1853	3.38
5	AREA UNDER PLOTS	3.3474	61.00	3.0560	55.69
6	TOTAL PERMISSIBLE SALEABLE AREA	3.9583	65.00	3.2413	59.07

DETAIL OF PLOTS								
S. NO.	TYPE	LENGTH	WIDTH	AREA (SQM)	NO. OF PLOTS	TOTAL AREA	
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4	A4	16.45 X	6.50	106.93	7	748.475	
5	A5	16.00 X	5.08/6.50	90.00	1	90	
			TOTAL		119	12867	SQM
						1.0566	ACRES
5	COMMERCIAL PLOT					750	SQM
						0.1853	ACRES
DENSITY DETAIL							
119 X			13.5 =	1606.5	292.36	PER/ACRE	
ORGANIZED OPEN SPACE/AREA DETAIL							
REQUIRED AREA 7.5% OF NET PLANED AREA			0.4116	ACRE			
OOS-1	=		1187	SQM			
OOS-2	=		494	SQM			
TOTAL			1681	SQM			
			0.4154	ACRE			
UNDERGROUND							
1	STP		185 KLD	100 SQM			
2	WT	U/G WATER TANKS	150 KL	70.53 SQM			
3	ET	ELECTRICAL SERVICES		35 SQM			
4	MILK & VEG BOOTH	5.0 X 5.5		27.5 SQM			
5	OOS	ORGANIZED OPEN SPCESS					
REQUIRED 50 % AREA AS PER POLICY			=	6584 SQM			

DETAIL OF 50% PLOTS RESERVED AS PER POLICY							
S. NO.	TYPE	LENGTH	WIDTH	AREA	NO. OF PLOTS	TOTAL AREA	
1	A1	16.00 X	6.5	104	58	6032	
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3	A5	16.00 X	5.08/6.50	90.00	1	90	
						6203.28	50.16%

RPS INFRASTRUCTURE LTD.
AUTHORISED SIGNATORY

AR. SHIV KUMAR
CA No. 75356

To be read with Licence No. 11 of 2019 Dated 01-02-2019

That this Layout plan for an area measuring 5.4875 acres (Drawing no. DTCP-6741 dated 04.01.2019) comprised of licence which is issued in respect of Affordable Residential Plotted Colony (Under Deen Dayal Jan Awas Yojna) being developed by RPS Infrastructure Ltd. in Sector-88, Faridabad is hereby approved subject to the following conditions:-

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9. At the time of demarcation plan, if required percentage of organized open space is reduced, the same will be provided by the colonizer in the licenced area.
10. No plot will derive an access from less than 9 metres wide road would mean a minimum clear width of 9 metres between the plots.
11. Any excess area over and above the permissible 4% under commercial use shall be deemed to be open space.
12. The portion of the sector/development plan roads /green belts as provided in the Development Plan if applicable, which form part of the licenced area shall be transferred free of cost to the government on the lines of Section 3(3)(a)(ii) of the Act No.8 of 1975.
13. That the odd size plots are being approved subject to the conditions that these plots should not have a frontage of less than 75% of the standard frontage when demarcated.
14. That you will have no objection for the regularization of the deviations of the licence through give and take with the land that HUDA is finally able to acquire in the interest of planned development and integration of services. The decision of the competent authority shall be binding in this regard.
15. That the rain water harvesting system shall be provided as per Central Ground Water Authority norms/Haryana Govt. notification as applicable.
16. That the colonizer/owner shall use only Light-Emitting Diode lamps (LED) fitting for internal lighting as well as Campus lighting.
17. That the colonizer/owner shall ensure the installation of Solar Power Plant as per provisions of Haryana Solar Power Policy, 2016 issued by Haryana Government Renewable Energy Department vide Notification No. 19/4/2016-5 Power dated 14.03.2016.
18. That the colonizer/owner shall ensure the installation of Solar Photovoltaic Power Plant as per the provisions of order No.22/52/2005-5Power dated 21.03.2016 issued by Haryana Government Renewable Energy Department.
19. That the colonizer/owner shall strictly comply with the directions issued vide Notification No. 19/6/2016-5P dated 31.03.2016 issued by Haryana Government Renewable Energy Department for enforcement of the Energy Conservation Building Codes.

(VIJENDER SINGH) DTP (HQ) | (P.R. SNEH) STP (E&V) | (JITENDER SHAG) CTP (HR) | (K.MAKRAND PANDURANG, IAS) DTCP (HR)

(HARINDER KUMAR) AO (HQ) | (S.K.SAINI) ATP (HQ)

WATER SUPPLY SCHEME

150MMØ WATER DISTRIBUTION
100MMØ WATER DISTRIBUTION
RISING MAIN FROM HUDA
RECYCLE WATER FOR IRRIGATION
TUBE WELL LINE

Note :- The main supply lines shall be laided with correct bear which shall be laid along sewer lines.

ARCHITECT
R.P. NIRALA
CA/2002/29907

SUPERINTENDING ENGINEER
HSVP CIRCLE, FARIDABAD

Director Town & Country Planning Haryana, Chandigarh

For RPS Infrastructure Ltd.
Authorised Signatory

EXECUTIVE ENGINEER
HSVP DIVISION No.-II
FARIDABAD

DESIGN & DEVELOPMENT BY:

RPS INFRASTRUCTURE LTD.
1117-1120, DLF Tower-B,
Jasola District Center, New Delhi -110025
TEL : 011 - 4054 3200,

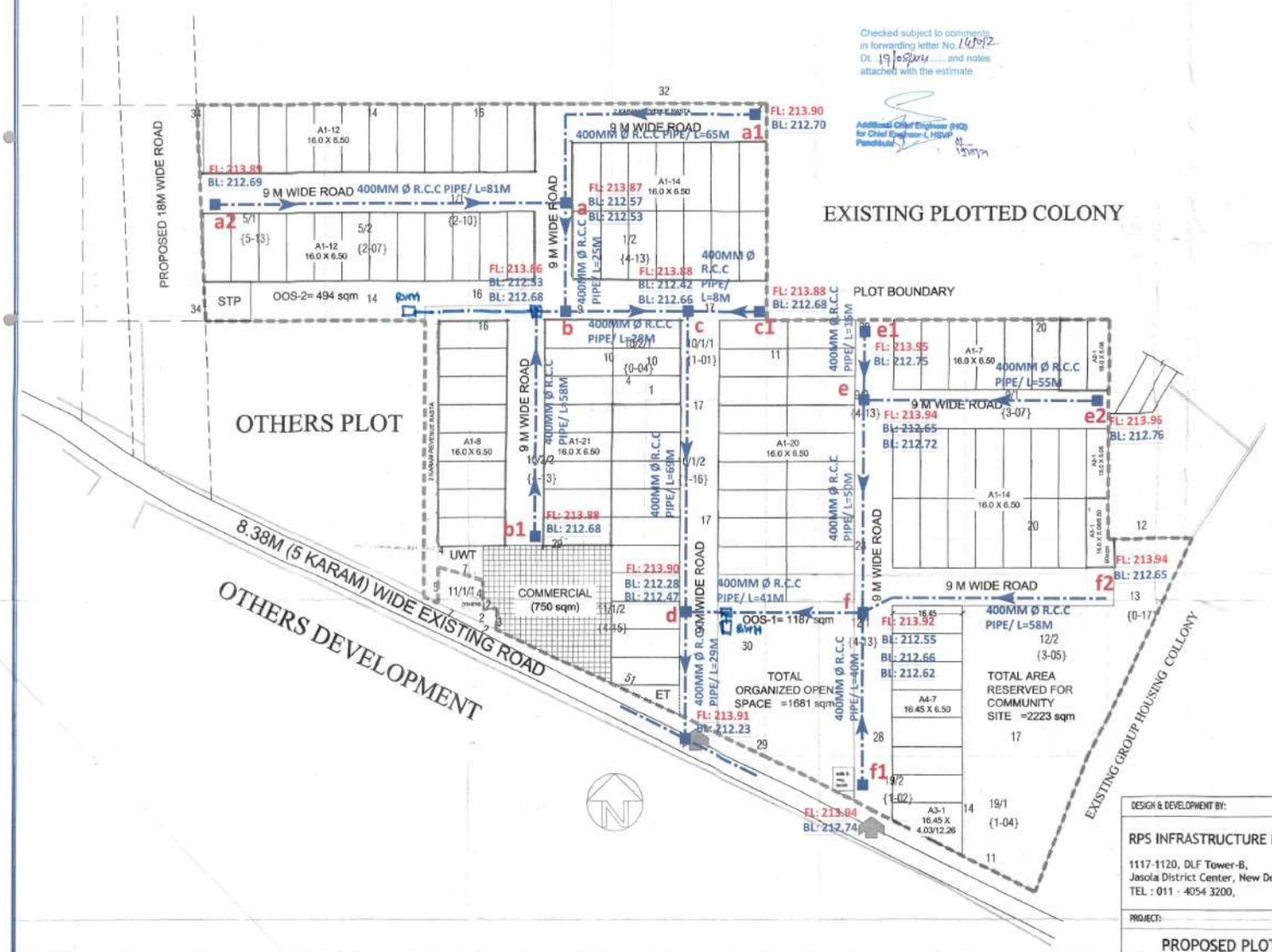
PROJECT:

PROPOSED PLOTTED COLONY UNDER DDJAY, AT SEC. 88 FARIDABAD

DRAWING TITLE :

LAYOUT PLAN OF THE PROPOSED COLONY
(SCHEMATIC ARRANGEMENT)

DATE :	24 MAY 2018		REVISION
DEALT BY	RPN		R0
CHKD BY	AS		
DESIGN BY	RPN	DRAWING NO.	
SCALE :	1:500		
PRINT-ST :	A1-1/1	RPS-PDA-A000	



Checked subject to comments in forwarding letter No. 14/072 Dt. 19/03/2019 ..... and notes attached with the estimate

Additional Chief Engineer (HQ) for Chief Engineer-I, HSVP Panchkula

AREA STATEMENT FOR DDJAY SCHEME					
S. NO.	DETAILS	PERMISSIBLE AREA (IN ACRES)	PERMISSIBLE %AGE	PROPOSED AREA (IN ACRES)	PROPOSED %AGE
1	NET PLANNED AREA	5.4875	100		
2	OPEN GREEN SPACE / PARK	0.4166	7.59	0.4154	7.57
3	50% AREA TO BE TRANSFER FREE OF COST	0.5488	10.00	0.5493	10.01
4	COMMERCIAL AREA	0.2195	4.00	0.1853	3.38
5	AREA UNDER PLOTS	3.3474	61.00	3.0540	55.69
6	TOTAL PERMISSIBLE SALEABLE AREA	3.5669	65.00	3.2413	59.07

DETAIL OF PLOTS								
S. NO.	TYPE	LENGTH		WIDTH	AREA (SQM)	NO. OF PLOTS	TOTAL AREA	
1	A1	16.00 X		6.50	104	108	11232	
2	A2	16.00 X		5.08	81.28	2	162.56	
3	A3	16.45 X		4.03/12.26	133.99	1	133.99525	
4	A4	16.45 X		6.50	106.93	7	748.475	
5	A5	16.00 X		5.08/6.50	90.00	1	90	
				TOTAL		119	12367	SQM
							1.0540	ACRES
3	COMMERCIAL PLOT						750	SQM
							0.1853	ACRES
DENSITY DETAIL								
	110	X	23.1 =		1606.5	292.76	PER/ACRE	
ORGANIZED OPEN SPACE AREA DETAIL								
REQUIRED AREA 7.5% OF NET PLANED AREA				0.4166	ACRE			
OOS-1		=	1187	SQM				
OOS-2		=	494	SQM				
TOTAL			1681	SQM				
			0.4154	ACRE				
LEGEND								
1	STP		185.810	300 SQM				
2	WT	UG WATER TANKS	150.61	70.53 SQM				
3	ET	ELECTRICAL SERVICES		35 SQM				
4	ANM & VEG BOOTH		5.0 X 5.5	27.5 SQM				
5	OOS	ORGANISED OPEN SPECES						
REQUIRED 50 % AREA AS PER POLICY				=	6384 SQM			

DETAIL OF 50% PLOTS RESERVED AS PER POLICY							
S. NO.	TYPE	LENGTH	WIDTH	AREA	NO. OF PLOTS	TOTAL AREA	
1	A1	16.00 X	6.5	104	58	6032	
2	A2	16.00 X	5.08	81.28	1	81.28	
3	A5	16.00 X	5.08/6.50	90.00	1	90	
						6203.28	50.10%

RPS INFRASTRUCTURE LTD.
AUTHORISED SIGNATORY

AR. SHIV KUMAR
CA No. 75356

To be read with Licence No. 11 of 2019 Dated 01-02-2019

That this Layout plan for an area measuring 5.4875 acres (Drawing no. DTCP-6741 dated 04.01.2019) comprised of licence which is issued in respect of Affordable Residential Plotted Colony (Under Deen Dayal Jan Awas Yojna) being developed by RPS Infrastructure Ltd. in Sector-88, Faridabad is hereby approved subject to the following conditions:-

1. That this Layout Plan shall be read in conjunction with the classes appearing on the agreement executed under Rule 11 and the bilateral agreement.
2. That the plotted area of the colony shall not exceed 65% of the net planned area of the colony. The entire area reserved for commercial purposes shall be taken as plotted for calculation of the area under plots.
3. That the demarcation plans as per site of all the Residential Plots and Commercial site shall be got approved from this Department and construction on these sites shall be governed by the Haryana Building Code, 2017 and the Zoning Plan approved by the Director, Town & Country Planning, Haryana.
4. That for proper planning and integration of services in the area adjacent to the colony, the colonizer shall abide by the directions of the DTCP for the modification of layout plans of the colony.
5. That the revenue rasta falling in the colony shall be kept free for circulation/movement as shown in the layout plan.
6. That the colonizer shall abide by the directions of the DTCP, Haryana and accordingly shall make necessary changes in the lay-out plan for making any adjustment in the alignment of the peripheral roads, internal road circulation or for proper integration of the planning proposals of the adjoining areas.
7. That no property/plot shall derive access directly from the carriage way of 30 metres or wider sector road if applicable.
8. All green belts provided in the layout plan within the licenced areas of the colony shall be developed by the colonizer. All other green belts outside the licenced area shall be developed by the Haryana Urban Development Authority/colonizer as the directions of the Director, Town and Country planning, Haryana or in accordance with terms and conditions of the agreements of the licence.
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(NARINDER KUMAR) AD (HQ) | (S.K.SAINI) ATP (HQ)

STORM WATER SCHEME

400 MM Ø R.C.C STORM WATER PIPE
213.95 FORMATION LEVEL
212.95 INVERT LEVEL

Director Town & Country Planning Haryana, Chandigarh

ARCHITECT R.P. NIRALA CA/2001/29507

SUPERINTENDING ENGINEER HSVP CIRCLE, FARIDABAD

For RPS Infrastructure Ltd.
Authorized Signatory

EXECUTIVE ENGINEER HSVP DIVISION No. III FARIDABAD

DESIGN & DEVELOPMENT BY:

RPS INFRASTRUCTURE LTD.

1117-1120, DLF Tower-B,
Jasola District Center, New Delhi -110025
TEL : 011 - 4054 3200,

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