

LC-2869

**SERVICE ESTIMATE, DESIGN REPORT AND
CALCULATION OF
INTERNAL DEVELOPMENT WORKS
FOR
COMMERCIAL PLOTTED COLONY DEVELOPMENT
SCHEME MEASURING 2.29375 ACRES**

AT SECTOR – 74A

**GURUGRAM
HARYANA**

DEVELOPED BY

DIVINE VISION INFRA RETAIL PRIVATE LIMITED

**SERVICE ESTIMATE DESIGN REPORT AND CALCULATION OF INTERNAL
DEVELOPEMENT WORKS FOR PLOTTED DEVELOPMENT SCHEME
MEASURING 2.29375 ACRES AT SECTOR - 74A, GURUGRAM. DEVELOPED BY
DIVINE VISION INFRA RETAIL PRIVATE LIMITED**

REPORT

Gurugram town of Haryana State is situated on Delhi - Jaipur National Highway No.8 at a distance of 30 kms from 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, Haryana Urban Development Authority has already developed residential sector which are fully inhabited to an extent. Further to the increasing demand HUDA has planned to develop new sectors at outskirts of Gurugram town. This report and estimate is prepared for approval of 2.29375 acres Plotted Colony in accordance with layout/zoning plan.

WATER SUPPLY

At present the source of water supply in this area is HUDA. It has been proposed to construct underground tanks of capacity as per attached details and at location for domestic purpose and for fire protection. The underground tanks will be fed from the HUDA supply, from there water will be supplied by set of variable frequency pump to each plot which is now a days universally adopted. The water supply system has been designed as per the Hazen William formula.

DESIGN

The scheme has been designed for population considering 400 Persons per acres person for each plot. The rate of water supply per head/day has been taken as ~~(45+15%) i.e. 60~~ ^{45 Lpcd} liters per head per day.

PUMPING EQUIPMENTS

It has been proposed to install pumping set as described with standby of equal capacity. Standby electric power requirement is added to the main DG Sets in case of electricity failure.

SEWERAGE SCHEME

Sewer line from proposed development will be connecting to a centralized Sewage treatment plant with a bypass to HUDA sewer to dispose excess sewage. The sewerage system has been marked on the respective plans.

Sewer lines have been designed for three times average D.W.F in relation to water supply demand. It has been assumed that about 75% of the domestic water supply shall find its way into the proposed sewer. Sewer lines shall be laid to a gradient maintaining minimum 2.46 ft./sec self-cleaning velocity. Sewer line up to 600mm dia has been designed to run half full and above 600mm dia has been designed to run three fourth full at peak flow. Necessary

2

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

provision for laying S.W/RCC pipe sewer line, construction of required number of manholes etc., has been made in the estimate.

Necessary design statement for entire sewerage system has been prepared and attached with estimate. Manning's formula has been used on the design of sewerage system.

STORM WATER DRAINAGE

We proposed to lay underground R.C.C. NP~~3~~ pipe drains with required number of catch basins, manholes and rainwater recharge pits with over flow to the Proposed HUDA storm drain on sector Road. The intensity of rain fall has been taken as $\frac{1}{4}$ " per hour. R.C.C storm water line will be designed as per Manning's formula..

SPECIFICATIONS

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

Roads

Roads have been provided to above zones and estimate is prepared as per revised specifications adopted by HUDA

Street Lighting

Provision for streets also has been made

Horticulture

Estimates of plantation, landscaping, signage, etc., have been included.

Rates

The estimate has been prepared based on the present market rates.

Cost:

The total cost of the 2.29375 Acres scheme, including cost of all services works out to be Rs. ~~222.75~~ **366.20** Lacs including 3% contingencies & 49% departmental charges. Price escalation, unforeseen Admin charts.

The cost per gross acres for the phase works out to ~~RS. 97.10 lacs~~ **159.65** which covers the provision of services like water supply, sewerage, Strom water Drainage, roads street lighting and plantations including maintenance there of as well as future expansion what so ever indicated.

FOR: DIVINE VISION INFRA RETAIL PRIVATE LIMITED

For Divine Vision Infra-Retail Pvt. Ltd.

Authorized Signatory

Auth.Sign./Director



For Divine Vision Infra-Retail Pvt. Ltd.


Auth. Sign./Director

Project- Sector-74A										
DAILY WATER DEMAND & PUMPING SYSTEM										
S.N	TYPE OF BUILDING	Building	per/unit	person	water consumption		Water Consumption		Water Consumption	
	Description	Nos	Nos	Nos	Dom.	Flu.	Dom.(ltr)	Flu. (ltr)	Dom.(KL)	Flu. (KL)
1	a) General Plots	30	400/ac	917.0	30 Liter /Person	15 Liter /Person	41,265	13,755	41.27	13.76
	total -i			917			41,265	13,755	41.27	13.76
	e) Milk Both	0		1kl/ L.S	0	0	0	0	0.00	0.00
	total-ii						0	0	0.0	0.0
	Total domestic & flushing water requirement (i+ii)						41,265	13,755	41.27	13.76
ii	HortiCulture Total area of 0 acres @ 25000 / Acre from STP					0	27510		27.51	0
iii	Fire demand 100 * (P in thousand)^1/2				60	50			60	50
iv	STP capacity 80% of daily domestic and flushing water consumption and 20% extra add on as of MOEF guideline				53	40			53	40
2	Under ground water tank									
i	Domestic Demand									
ii	For Fire Fighting Static demand						41	28		
iii	Total under ground Tank Capacity						60	50		
iv	Flushing tank						40	76		
	Total under ground Tank incl. Flushing Demand						14			
							115	92		
	Therefore it is constructed under ground water tank of Domestic tank capacity of 50KL, fire water tank capacity of 60 KL & flushing water tank of capacity 20 KL									
a)	Domestic water Pump Capacity									
i	Total Domestic Demand (i)									
ii	Daily Working Hrs for pumping						41	30		
iii	Required Pumping Capacity						10			
iv	Proposed pump set (2 W + 1S)						60	50		
v	Each pump Cap									
							34	50		
b)	domestic water Pump Head					SAY	40	50		
i	Suction lift									
ii	Elevation Height						0			
iii	Residual Head						15			
iv	Friction Head Loss						13			
v	Total pump head required						19			
							47			
c)	Pump HP						50			
i	Power Required each pump (Lpm*head (m)/4500*.65(effi)									
						Say	1.00			
4	Flushing / Irr. Water Transfer Pumpset						1.00			
a)	Flush. water Pump Capacity									
i	Total Flu. / Irr. Demand (i)									
ii	Daily Working Hrs for pumping						14			
iii	Required Pumping Capacity						10			
iv	Proposed pump set (2 W + 1S)						23			
v	Each pump Cap									
							41			
b)	Flushing water Pump Head					SAY	20			
i	Suction lift									
ii	Elevation Height						0			
iii	Residual Head						15			
iv	Friction Head Loss						13			
v	Total pump head required						19			
							47			
c)	Pump HP						50			
i	Power Required each pump (Lpm*head (m)/4500*.65(effi)									
						Say	0.13			
							1			

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

5	CAPACITY OF DG SET									
	Equipment Description					No of Pump	Each power cons (HP)	Total Power Cons	Unit	
	i	Domestic Water Transfer Pumps (Working)					1	2.1	HP	
	ii	Flu. / Irr. Water Transfer Pumps (Working)					1	2.1	HP	
	iv	Total HP Required						4.2	HP	
	DG Capacity (in KW)							3.0	KW	
	DG Capacity (in KVA)						2.23	4	KVA	
	say							5 KVA	KVA	
6	HUDA Water Suply Line									
	i	Total Water Demand	Line	Flow	Proposed Dia	Length of Line	Fractional Head Loss	Velocity	Total Head Loss	
	ii	LPD		LPM	mm	Mtr.	Mtr./ Mtr.	Mtr./Sec.	Mtr.	
	iii	41265	A - Tank	28.66	100	70	0.00011	0.0729	0.008	
		92570								

For Divine Vision Infra-Retail Pvt Ltd.

Auth. Sign./Director

Checked, subject to comments
in forwarding letter No. 136/17.
Dt. 11.09.2020 and notes
attached with the estimate

Superintending Engineer (HQ)
for Chief Engineer HSVP
Panchkula

Director
Town & Country Planning
Haridwar, Uttarakhand

FINAL ABSTRACT OF COST IN LACS						
Description	Total of sub work	3% Contingencies and PE charges	TOTAL	49% departmental charges price circulation & unforeseen	Grand Total (For 2.29375 Acres)	
Sub Work-1	20.09 24.19	0.60	20.69 24.82	10.41 10.60	30.83 32.52	
Sub Work-2	11.31 14.22	0.34 0.43	11.65 14.65	5.71 7.18	17.36 21.82	
Sub Work-3	22.33 22.20	0.67	23.00 22.87	11.27 14.21	34.27 34.08	
Sub Work-4	79.86 20.94	2.40 0.00	82.26 20.94	40.30 15.09	122.56 45.90	
Sub Work-5	5.73 2.29	0.17 0.07	5.90 2.36	2.89 1.16	8.79 3.52	
Sub Work-6	0.63 2.97	0.02 0.07	0.65 2.44	0.32 1.20	0.97 3.64	
Sub Work-7	98.67 62.94	2.96 1.59	101.63 64.53	49.80 26.72	151.43 84.25	
Services & Resurfacing of road						
TOTALS	Rs. 145.12 236.62	Rs. 4.35 7.16	Rs. 149.48 245.18	Rs. 73.24 120.43	Rs. 222.72 366.21	

= Cost per Acre

= 222.72 LACS /2.29375Acre

Rb366.20

= 159.65 Lacs Per acres

For:

DIVINE VISION INFRA RETAIL PRIVATE LTD

AUTHORISED SIGNATORY

= Cost per Acre

= 222.72 LACS / 2.29375 Acre

Rs. 366.20

159.65 Lacs per acre

= Rs. 97.40

For: DIVINE VISION INFRA RETAIL PRIVATE LTD

AUTHORISED SIGNATORY

Executive Engineer
HSVP Division No. IV
Gurugram

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

SUB WORK No. 1

WATER SUPPLY

S No.	Heads	Description	Amount (INR)
1	Sub Head 2	HUDA Rising Mains <i>1 Head work</i>	<i>Rs 5.55 Lacs</i> 582,500.00
2	Sub Head 03	Pumping and Machinery	<i>Rs 4.00 Lacs</i> 462,000.00
3	Sub Head 03	Water Supply and distribution	<i>Rs 5.77 Lacs</i> 609,600.00
4	Sub Head 05	Flushing/Irr. System	<i>Rs 4.77 Lacs</i> 469,600.00
TOTAL			<i>20.09 Lacs</i> 2,118,700.00
<i>CO to final abstract of cost</i>			<i>Rs. 21.19 Lacs</i>

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

SUB WORK No. 1

WATER SUPPLY

Sub Head 2

HUDA Rising Mains

S No.	Description	Amount (INR)
1	1. Providing, laying, jointing and testing CILA pipe lines Including cost of excavation etc. complete in all respects.	
a)	100 mm dia pipe 50 Mtr. @ Rs. 1,250 Per Meter	62500 12,500.00
2	Providing and fixing sluice valve including cost of surface boxes and masonry chambers etc. complete in all respects	
a)	100 mm dia pipe 1 Nos. @ Rs. 12,000 Each	12,000.00
3	Providing and fixing indicating plates for sluice valve and air valves	
a)	1 Nos. @ Rs. 1,000 each	1,000.00
4	Provision for carriage for materials and other unforeseen items (L/S)	5000.00
5	Provision for cutting of roads and making good to its original conditions (L/S)	0.25 50,000.00
6	Provision for making connection with HUDA (L/S) on Master Road	1.00 50,000.00
7	Constraction of UG tanks 100 KL include fire tanks 50KL 100x35m 60 KL for building near STP	3.50 455,000.00
Total of Sub Head 2 - Carried over to summary of Sub work - 1		582,500.00
		Rs. 5.83 Lacs

MATERIAL STATEMENT OF HUDA MAINS REFERS TO ANNEXURE 5A

Rs 5.55 Lacs

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

Directorate of Town & Country Planning, Haryana

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

Phone: 0172-2549349 e-mail: tcpharyana7@gmail.com

website: -http://tcpharyana.gov.in

Regd.

To

Ocean Capital Market Ltd.
C/o Divine Vision Infra Retail Pvt. Ltd.
C-165, Pushpanjali Enclave, Pitampura,
New Delhi- 110034

Memo No.LC-2869-JE (DS)-2020/ 18123

Dated: 13-10-2020

Subject:

Approval of service plan estimates for Commercial Plotted Colony over an area measuring 2.29375 acres in the revenue estate of village Begumpur Khatola, in Sector-74A, Gurugram (licence no. 15 of 2020 dated 10.07.2020)- Ocean Capital Market Ltd. C/o Divine Vision Infra Retail Pvt. Ltd.

Please refer to the Chief Engineer, HSVP, Panchkula memo no. 143677 dated 15.09.2020 on the above cited subject matter.

The service plan/estimates for Commercial Plotted Colony over an area measuring 2.29375 acres in the revenue estate of village Begumpur Khatola, in Sector-74A, Gurugram (licence no. 15 of 2020 dated 10.07.2020) being developed by you, has been checked and corrected wherever necessary by Chief Engineer-I, HSVP, Panchkula and are hereby approved subject to the following terms & conditions:

1. You will have to pay the proportionate cost of external development charges for the services like water supply, sewerage, storm water drainage, roads, bridges, community buildings, street lighting, horticulture etc. on gross average basis as and when approved by the Director. These charges are modifiable as and when approved by the Government and modified charges will be binding upon the colonizer.
2. You are liable to maintain the estate developed by you as per HSVP norms till such time the colony is taken over by the Local Authority/State Govt.
3. The wiring system of the street lighting will be under ground and the specifications of the street lighting fixture etc. will be as per relevant standard of HVPNL.
4. That appropriate provision for fire fighting as required in the NBC/ISI code should also be provided by you and a fire safety certificate will be obtained by you from the competent authority before undertaking any construction. You will be sole responsible for fire safety arrangements.
5. You will be fully responsible to make the arrangement of disposal of sewerage and storm water drainage till such time these are made available by HSVP and all link connections with the external system will be done by you at your own cost. You will have to ensure that sewer/storm water drainage to be laid by you will be connected by gravity with the master services laid/to be laid by HSVP/State Govt. in this area as per your scheme. In case pumping is required the same will be done by you at your own cost.

SUB WORK No. 1

Sub Head 1

WATER SUPPLY

Pumping and machinery

S No.	Description	Amount (INR)
1	Providing & installing pumping set of following capacity for Water supply Booster Pumps	
a)	Capacity 50 LPM @ 50 mtr. Head, 1HP (2W+1S) 2 ^{0.25} Nos. @ Rs. 2,000.00 each.	6,000.00 ^{0.50 Lac}
2	Providing & installing pumping set of following capacity for Flushing/Irrigation Pumps	
a)	Capacity 50 ^{0.25} LPM @ 50 mtr. Head, 1 HP (2W+1S) 2 ^{0.25} Nos. @ Rs. 2,000.00 each.	6,000.00 ^{0.50 Lac}
3	Provisions for chlorination plant complete 1 Nos @ Rs. 100,000.00 each	100,000.00
4	Provision for making foundations and erection of pumping machinery L.S.	100,000.00
5	Provision for pipes, valves and specials inside the boosting chamber L.S.	100,000.00 ^{0.25}
6	Provision for electric service connection including electrical fittings for boosting etc.-3 including capacity of transformer.	100,000.00 ^{0.25}
7	Provision for carriage of material and other unforeseen items etc. L/S	50,000.00
TOTAL CO to SUB WORK - 1		462,000.00
		Rs. 4.62 Lacs
		^{Rs 4.00 Lacs}

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

SUB WORK No. 1**WATER SUPPLY**

Sub Head 4

Domestic Water supply and distribution

S No.	Description	Amount (INR)
1	Providing, laying, jointing and testing DI pipe lines including fittings, valves, cost of excavation etc. complete in all respects.	
a)	200 mm Pipe 0 Mtr @ Rs. 2,150	0.00
b)	150 mm Pipe 0 Mtr @ Rs. 1,575	0.00
c)	100 mm Pipe 328 Mtr @ Rs. 1,200 <i>1250/m</i>	<i>4.10</i> 393,600.00
2	Providing and fixing sluice valve including cost of surface boxes and masonry chambers etc. complete in all respects.	
a)	200 mm 0 Each @ Rs. 18,200	0.00
b)	150 mm 0 Each @ Rs. 14,000	0.00
c)	100 mm <i>2</i> Each @ Rs. 12,000	<i>0.24</i> 48,000.00
3	Providing and fixing External Fire Hydrant complete in all respect. 5 Nos @ Rs. 10,000 Each	50,000.00
4	Providing and fixing Air release valve and scour valves. 1 Nos @ Rs. 10,000 Each	10,000.00
5	Provision for carriage of materials and other unforeseen items	<i>0.25</i> 50,000.00
6	Provision for cutting of roads on making good to its original condition. (L.S)	50,000.00
7	Provision for indicating plates for sluice valve as F.H.	
8	8 Nos @ Rs. 1,000 Each	8,000.00
TOTAL CO to SUB WORK - 1		<i>5.77 Lacs</i> 609,600.00 Rs. 6.10 Lacs

MATERIAL STATEMENT OF DWS AND FWS REFERS TO ANNEXURE 3

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

SUB WORK No. 1**WATER SUPPLY**

Sub Head 4

Flushing/Irr. System

S No.	Description	Amount (INR)
1	Providing, laying, jointing and testing C.I./D.I. pipes lines conforming to IS:4985 including cost of excavation etc. complete in all respects.	
a)	200 mm Pipe 0 Mtr @ Rs. 2,150	0.00
b)	150 mm Pipe 0 Mtr @ Rs. 1,575	0.00
c)	100 mm Pipe 348 Mtr @ Rs. 1,200 1250 / -	417,600.00 4.35 Lacs
d)	25 mm Pipe 0 Mtr @ Rs. 350	0.00
2	Providing and fixing sluice valve including cost of surface boxes and masonry chambers etc. complete in all respects.	
a)	200 mm 0 Each @ Rs. 18,200	0.00
b)	150 mm 0 Each @ Rs. 14,000	0.00
c)	100 mm 1 Each @ Rs. 12,000	12,000.00
3	Providing and fixing Garden Hydrant 0 Nos. @ Rs. 3,500 each	0.00
4	Providing and fixing air release valve and scour L.S.	10,000.00
5	Provision for carriage of materials and other unforeseen items	25,000.00
TOTAL CO to SUB WORK - 1		464,600.00 Rs. 4.65 Lacs

MATERIAL STATEMENT OF IRRIGATION SUPPLY REFERS TO ANNEXURE 4 & 6 Rs 4.77 Lacs

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

SUB WORK No. 2

SEWERAGE SCHEME

S No.	Description	Amount (INR)
1	Providing, Lowering, jointing and cutting SW pipe lines into trenches including cost of Manholes & Cost of excavation etc. complete in all respects as per standard section.	
a)	150 mm dia 0 Mtr. @ Rs. 1,575 CILA Class (Bye Pass Line)	0.00
b)	200 mm dia 285 Mtr. @ Rs. 1,250 SW Pipe	350,000.00
c)	250 mm dia 10 Mtr. @ Rs. 1,700 SW Pipe	17,000.00
d)	300 mm dia 0 Mtr. @ Rs. 2,150 SW Pipe	0.00
e)	400 mm dia 0 Mtr. @ Rs. 2,500 SW Pipe	0.00
f)	450 mm dia 0 Mtr. @ Rs. 2,650 SW Pipe	0.00
g)	500 mm dia 0 Mtr. @ Rs. 3,050 SW Pipe	0.00
h)	600 mm dia 0 Mtr. @ Rs. 3,250 SW Pipe	0.00
2	Provision for carriage of material (L.S) <i>as other infrastructure charges</i>	0.50 100,000.00
3	Provision for making connection with HUDA sewer line.	1.00 60,000.00
4	Providing STP of 40/50 KLD LS	500,000.00
5	Provision for providing oblique function. (L.S)	0.25 100,000.00
6	Provision for Temporary timbering & Road Cut carries (L.S)	0.25 25,000.00
7	Provision for providing vent shaft at suitable places as per P.H. requirements (L.S.)	0.25 250,000.00
TOTAL CO to FINAL ABSTRACT OF QUANTITY		1,422,000.00
		Rs. 14.22 Lacs

MATERIAL STATEMENT OF SEWERAGE SCHEME REFERS TO ANNEXURE 1

11.34 Lacs

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

SUB WORK No. 3

STORM WATER DRAINAGE

S No.	Description	Amount (INR)
1	Providing, lowering, jointing RCC pipe with specials into trenches class NP-2 manholes etc. complete in all respects, excavation backfil, disposal at surplus & earth.	
a)	400 mm dia 645 ⁵⁶³ Mtr. @ Rs. 1,750 ^{2500/-}	1,128,750.00 ^{14.08 Lacs}
b)	450 mm dia 20 Mtr. @ Rs. 2,080	41,600.00
c)	500 mm dia 0 Mtr. @ Rs. 2,660	0.00
d)	600 mm dia 0 Mtr. @ Rs. 3,400	0.00
e)	650 mm dia 0 Mtr. @ Rs. 4,200	0.00
f)	750 mm dia 0 Mtr. @ Rs. 4,500	0.00
g)	800 mm dia 0 Mtr. @ Rs. 5,030	0.00
h)	900 mm dia 0 Mtr. @ Rs. 5,580	0.00
2	Provision for lighting and watching	50,000.00
3	Provision for road gullies & connecting pipe L.S.	100,000.00
4	Provision for rainwater harvesting arrangements at suitable places.	
	L.S)	750,000.00 ^{5.00 Lacs}
5	Provision for timbering & shoring (L.S.)	50,000.00 ^{0.25 Lacs}
6	Provision for making connection with HUDA Mains on master road and making good to its original condition (L.S.)	100,000.00 ^{1.50 Lacs}
TOTAL CO to FINAL ABSTRACT OF QUANTITY		2,220,350.00 ^{22.20 Lacs}
		Rs. 22.20 Lacs

MATERIAL STATEMENT OF STORM WATER DRAINAGE REFERS TO ANNEXURE 2 ^{22.33 Lacs}

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

Width in meter	length in meter	Metalled Portion	Area in Sqm.
6	532	5.5	2926
15	0	7.5	0
18	0	7.5	0
24	0	14	0
Total	532		2926

Add 5% for curves

Total Area

~~146.3~~

~~3072~~

6035 Sqm

S No.	Description	Amount (INR)
1	Provision for leveling & earth filling as per site condition	
	Approx 2.29375 Acre @ Rs. 100,000 per acre	229,375.00 3.44 Lacs
2a	Soiling stone 300mm thick (90-63mm) gauge completed to 75mm thick GSB specification & Confirming to MOT Specification (Table 400-6 grading No-2	
2b	P/L 250mm thick (compacted) WBM with earth as per most Specification using 53-22.5 size stone aggregate. The rate is Inclusive of all labour, material & equipment etc.	
2c	50 mm thick pre-mix carpet with seal coat 20mm thickness 3072 Sqm @ Rs. 850.00 per sqm	2,611,455.00 72.48 Lacs
3a	Providing of kerbs stone of CC1:2.5:5(kerb stone on one side of road 12& 15 m wide road and for both sides on 18 & 24 m wide roads	
3b	Providing of Channels of CC1:2.5:5(kerb stone on one side of road 12& 15 m wide road and for both sides on 18 & 24 m wide roads	
	0 5% 0 m @ Rs. 600 /M	0.00
4	Provision for guide map and other unforeseen item L.S	50,000.00
5	Provision for plot indicators L.S	50,000.00
7	Provision for traffic arrangement L.S	50,000.00 1.00 Lacs
8	Provision for carriage of material & unforeseen items L.S	
	Provision for Div. in shopping area 2.10x4047 = 4250	2.00 Lacs
	0.00 Acres 5% 0.0 sqm @ Rs. 600 /M	0.00
9	Provision for each of paved 18M Road and 24 m Road.	
	0 2 0 sqm @ Rs. 2.5 /M	0.00
	0 2 0 sqm @ Rs. 2.5 /M	0.00
	TOTAL CO to FINAL ABSTRACT OF QUANTITY	2,990,830.00 Rs. 29.91 Lacs

Rs. 79.86 Lacs

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

SUB WORK No. 5

Street Lighting

S No.	Description	Amount (INR)
1	Providing street lightning on roads as per standard specifications of HVPN. with CFL	5.73 Lacs
	Approx 2.29375 Acre @ Rs. 400,000 ^{3.50 L} per acre	220,375.00
	CFL TOTAL CO to FINAL ABSTRACT OF QUANTITY	229,375.00
		Rs. 2.29 Lacs
		Rs. 5.73 Lacs

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

SUB WORK No. 6**Plantation & Road side Trees**

S No.	Description	Amount (INR)
1	Development of Green areas	
a	Trenching the ordinary soil up to dept of 60 cm including removal and stacking of serviceable material and disposing of by spreading and leveling within a lead to 50m and making up the trenches area of proper leads by filling with earth mixed with manure before and after flooding trench with water including cost of imported earth and manure	
b	Rough dressing of roof area	
	Grassing with "Doob Grass" including watering and maintenance of lawns for 30 days till the grass a thick lawn, free weeds and fit for moving in rows 7.5m apart in either direction including provision for hedges and barbed wire fencing around park.	
	Approx. 2.29375 Acres @ Rs. 100,000 per Acres (L.S)	0.50 Lacs 229,375.00
2	Planting Tree	
a	Provision of trees, along 6 Mtr intervals.	
	10 Trees @ Rs. 750 per tree	0.13 Lacs 7,500.00
b	Provision of trees, along 9M wide roads at 12 Mtr intervals. Both side	
	0 Trees @ Rs. 750 per tree	0.00
	GST TOTAL CO to FINAL ABSTRACT OF QUANTITY	236,875.00
		Rs. 2.37 Lacs

0.63 Lacs

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

SUB WORK No. 7

M/C Charges for Services & Resurfacing of road

S No.	Description	Amount (INR)
1	Provision for M/C charges for water supply , storm water drainage, sewerage, Road, Street lighting, Horticulture etc. complete in all aspect, including Operational and establishment charges as per HUDA norms for 10 years completion	
	Approx. 2.29375 Acres @ Rs. 500,000 ^{7.50 Lacs} per Acres	1,146,875.00 ^{17.90 Lacs}
2	Provision for resurfacing of roads after 5 years 100mm thick layer 100mm thick BUSG complete to 25mm thick premix carpet with seal cost	
	Approx. 3072.00 ⁶³⁵ Sqm @ Rs. 600 per Sqm	1,843,200.00 ^{36.21}
3	Provision for resurfacing of roads after 10 years with 25mm thick premix carpet with seal coat with mech.paver	
	Approx. 3072.00 ⁶³⁵ Sqm @ Rs. 750 per Sqm	2,304,000.00 ^{45.26 Lacs}
	TOTAL CO to FINAL ABSTRACT OF QUANTITY	5,294,075.00
		Rs. 52.94 Lacs

98.67 Lacs

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

Project-Dlf -74A Domestic Water Supply						
Water supply hydraulic calculation						
S No.	Line No	Length	Dia	100 mm	150 mm	200 mm
1	D1-D2	2	100	2		
2	D2-D3	28	100	28		
3	D3-D4	61	100	61		
4	D4-D5	29	100	29		
5	D4-D6	8	100	8		
6	D7-D8 8, D9	48	100	48 ✓		
7	D2-D9	96	100	96		
8	D9-D10	76	100	76		
TOTAL		328		328	0	0
		348		348		
Annexure-5A						
HUDA Supply						
S No	Line No	Length	Dia	100 mm	150 mm	
1	Main-Pump	50	100	50		

For Divine Vision Infra-Retail Pvt Ltd.

Auth. Sign./Director

Water supply hydraulic calculation

For Divine Vision Infra-Retail Pvt. Ltd.
Auth. Sign./Director

SECTOR 74A SEWERAGE DESIGN)										
MATERIAL STATEMENT FOR SEWER										
SI	LINE		Length of line	Dia of Pipe	DIA OF PIPE					
NO.	FROM	TO			IN (MM)					
			Mtr	MM	200	250	300	400	500	600
SEC - 74A										
1	S2	S1	127	200	127	-	-	-	-	-
2	S3	S1	153	200	153	-	-	-	-	-
TOATL			280		280	0	0	0	0	0

3. S1 to STP.

5 m
285 mm.

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

Sec 74A, Gurgaon								
MATERIAL STATEMENT FOR STORM WATER DRAINAGE SYSTEM								
ANNEXURE-2								
SL NO	NAME OF LINE	LENGTH	PIPE DIA	400MM	500MM	600MM	800 MM	900 MM
		MTR	MM	MTR	MTR	MTR	MTR	MTR
1	D1-D2	40	400	83 40.000	-	-	-	-
2	D2-D2A	20	400	80.000	-	-	-	-
3	D2A-D3	60	400	37 60.000	-	-	-	-
4	D4-D3	30	400	120 30.000	-	-	-	-
5	D4-D3	87	400	30 87.000	-	-	-	-
6	D3-D4	37	400	37 37.000	-	-	-	-
7	D6-D7	120	400	50 120.000	-	-	-	-
8	D6-D19	70	400	50 70.000	-	-	-	-
9	D7-D19	11	400	70 11.000	-	-	-	-
10	D12-D19	65	400	50 65.000	-	-	-	-
11	D19-D12	18	400	18 18.000	-	-	-	-
13	D13-D11	70	400	70 70.000	-	-	-	-
14	D13-D15	17	400	17 17.000	-	-	-	-
	TOTAL	645		563 645	0	0	0	0
ADDL.								
				400 MM				
1	RWHP-1	OVER FLOW		10				
2	RWHP-2	OVER FLOW		10.000				
	TOTAL			20				

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

Project -Dlf -73						
Road Length						
S No.	Description of Road Nods	Road Length (in Mtrs.)				
		9Mtr	15Mtr	18 Mtr	24Mtr	
1	TOTAL ROAD LENGTH	532			0	
	Total	532	0	0	0	0

Plot area = 2.29375 ams m 9282.462 sqm

Total No. of Plot = 30 NOS.

Area of the Plot = 3247.92 sqm or 0.8228 Acre

As per the road length = 3247.92 sqm

Balance space for open/ parking = 9282.462 - 3247.92 sqm

= 6034.54 sqm

Sq = 6035 sqm

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

Project -Flf -74A Flushing Water Supply

Water supply hydraulic calculation

[illegible]

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

SECTOR -74A DESIGN OF STORM WATER DRAINAGE SYSTEM																				
SL NO	NAME OF LINE	LENGTH	SELF AREA TO BE DRAIN ED IN SQM	AREA IN ACRE		DISCHARGE CUM/SEC INTENSITY	DISCHARGE IN LPS	Pipe Dia	SLOPE	VELOCITY (m/sec)	DISCHARGE CAPACITY	Check	GROUND LEVEL AT START	GROUND LEVEL AT END	FALL	INVERT LEVEL AT START	INVERT LEVEL AT END	DEPTH AT START	DEPTH AT END	REMARKS
				SELF	TOTAL															
1	D1-D2	40	691	0.17	0.17	0.001	1.07	400	450	0.677	85.11	OK	102.036	102.036	0.089	99.036	100.360	3.000	1.676	
2	D2-D2A	20	120	0.03	0.03	0.000	0.19	400	450	0.677	85.11	OK	102.036	102.036	0.044	100.036	101.036	2.000	1.000	
3	D2A-D3	60	413	0.10	0.30	0.002	1.89	400	450	0.677	85.11	OK	102.036	102.036	0.133	101.036	101.036	1.000	1.000	
4	D3-D4	30	153	0.04	0.04	0.000	0.24	400	450	0.677	85.11	OK	102.036	102.036	0.067	101.036	101.036	1.000	1.000	
5	D4-D5	87	977	0.24	0.24	0.002	1.51	400	450	0.677	85.11	OK	102.036	102.036	0.193	101.036	101.036	1.000	1.000	
6	D6-D4	37	200	0.05	0.63	0.004	3.94	400	450	0.677	85.11	OK	102.036	102.036	0.082	101.036	99.036	1.000	3.000	
7	D6-D7	120	488	0.12	0.12	0.001	0.75	400	450	0.677	85.11	OK	102.036	102.036	0.267	99.036	99.000	3.000	3.036	
8	D8-D10	70	2010	0.50	1.25	0.008	7.79	400	450	0.677	85.11	OK	102.036	102.036	0.156	99.000	99.000	3.036	3.036	
9	D11-D10	11	210	0.05	0.05	0.000	0.32	400	450	0.677	85.11	OK	102.036	102.036	0.024	98.900	98.500	3.136	3.536	
10	D12-D11	85	500	0.12	0.18	0.001	1.09	400	600	0.586	73.71	OK	102.036	102.036	0.108	98.500	99.000	3.036	3.036	
11	D13-D12	18	400	0.10	0.10	0.001	0.62	400	450	0.677	85.11	OK	102.036	102.036	0.040	99.000	99.000	3.036	3.036	
13	D13-D11	70	100	0.02	0.02	0.000	0.15	400	450	0.677	85.11	OK	102.036	102.036	0.156	99.000	99.000	3.036	3.036	
14	D13-D15	17	50	0.01	0.01	0.000	0.08	400	450	0.677	85.11	OK	102.036	102.036	0.038	99.000	98.900	3.036	3.136	

For Divine Vision Infra-Retail Pvt. Ltd.

Auth. Sign./Director

SECTOR 74A SEWERAGE DESIGN

SECTOR 74A SEWERAGE DESIGN)																														
SI	LINE		No of Plot served		Population @ 13.5 persons/plot & 9 persons/ plot for EWS	Water Requirement @115.50 LPD/person	OTHER BUILDINGS				Total Daily Water Requirement in Litre	Av. Sewer load 80% of Water Requirement		Subsoil Infiltration @25% of Av Load	Self Discharge	Branch Discharge	Total Discharge			Length of line	Dia of Pipe	Slope 1 IN	Fall in Line	Velocity In	Capacity of Pipe	CHECK FOR CARRYING CAPACITY	Levels at Start		Levels at End	
	FROM	TO	Normal	EWS			Area in Acre	TYPE OF BUILDING	Basis of Water Requirement LPD	Total water requirement for other buildings (LPD)		Self	LPD				LPD	LPD	LPD								LPD	LPD	LPD	LPD
SEC - 91																														
1	S2	S1	25	0	338	38981					38981	31185	93555	7796	101351	0	101351	1.17	127	200	145	0.88	0.75	11.81	OK	102.36	102.36	99.04	99.05	
2	S3	S1	5	0	68	7796					7796	6237	18711	1559	101351	20270	101351	121622	1.41	153	200	145	1.06	0.75	11.81	OK	102.36	102.36	98.90	99.06

For Divine Vision Infra-Retail Pvt Ltd.

Auth. Sign./Director