

PROJECT:- PROPOSED BUILDING PLAN OF IT PARK/CYBER PARK COLONY MEASURING 6.1375 ACRES, SEC-66, GURUGRAM, MANESAR URBAN COMPLEX																							
DESIGN CALCULATION for SEWERAGE SYSTEM																							
S.No	NAME OF THE LINE		Name of Towers	Pop.	Average Discharge (Self)	Prev. Disch.	Ave. Disch.	Peak Flow 3.0 times of Ave. Discharge	Ground water Infiltration @ 5000 ltr/km/day	TOTAL Disch.	FINAL Disch.	Length of line	Dia of Pipe	Slope 1 IN	Total Fall	Vel.	Disch. Cap. of Pipe	Ground Elevation		Invert Elevation		Ave. Depth	Remarks
	FROM	TO		(In Nos)	(In kld)	(In kld)	(In kld)	(In kld)	(In kld)	(In kld)	(In lps)	(In m)	(In mm)	(In m)	(In m)	(In m/sec)	(In lps)	Upper End	Lower End	Upper End	Lower End	(In m)	
	S01	S02	TOWER-01	3898	604.19	0.00	604.19	1812.57	0.720	1813.29	20.99	144	150	100	1.44	0.93	8.25	0.30	0.30	-0.90	-2.34	1.920	IL
2	S02	S03	TOWER-02	800	124.00	604.19	728.19	2184.57	0.720	2185.29	25.29	144	150	100	1.44	0.93	8.25	0.30	0.30	-2.34	-3.78	3.360	IL
3	S04	S05	TOWER-03	800	124.00	0.00	124.00	372.00	0.438	372.44	4.31	88	150	100	0.88	0.93	8.25	0.30	0.30	-0.90	-1.78	1.638	IL
4	S05	S03	TOWER-02	800	124.00	0.00	124.00	372.00	0.160	372.16	4.31	32	150	100	0.32	0.93	8.25	0.30	0.30	-1.78	-2.10	2.235	CL
5	S03	STP		0	0.00	248.00	248.00	744.00	0.010	744.01	8.61	5	150	100	0.02	0.93	8.25	0.30	0.30	-5.88	-5.90	6.185	IL

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MATERIAL STATEMENT for SEWERAGE SYSTEM									
S.No	SW Line		Dia of Pipe	Length	Length of line In mtr. (SW Pipe)				
	FROM	TO	(mm)	(mm)	150	200	250	300 mm	400 mm
1	S01	S02	150 <i>2m</i>	144	144				
2	S02	S03	150 <i>2m</i>	144	144				
3	S04	S05	150 <i>2m</i>	88	88				
4	S05	S03	150 <i>2m</i>	32	32				
5	S03	STP	150 <i>2m</i>	5	5				
TOTAL			150 <i>2m</i>	413.0	413.0	0.0	0.0	0.0	0.0
STP BY-PASS LINE	SBP-01	SBP-02	150	177	177				
	SBP-02	OUT FALL	150	7.5	7.5				
TOTAL			150	184.5	184.5	0.0	0.0	0.0	0.0

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PROJECT:- PROPOSED BUILDING PLAN OF IT PARK/CYBER PARK COLONY MEASURING 6.1375 ACRES, SEC-66, GURUGRAM, MANESAR URBAN COMPLEX

DESIGN CALCULATION for STORMWATER DRAINAGE SYSTEM

SL NO	FROM	TO	AREA SERVED (IN ACRE)			Runoff Assuming @ 1"/4 Per Hour	TOTAL Discharge	FINAL Discharge (q)	Dia of Pipe	Slope	Velocity		Carrying Capacity Of Pipe (Q)	Length Of Line	FALL	GROUND LEVEL		INVERT LEVEL		DEPTH OF LINE		Ave. Depth	Remark
			Self	Prev.	Total						ft/sec	m/sec				Upper End	Lower End	Upper End	Lower End	Upper End	Lower End		
						IN m ³ /hr	IN m ³ /min	IN LPS	IN MM	IN M			IN LPS	IN M	IN M							IN M	
1	SW01	SW02	0.70	0.00	0.70	11.506	0.192	3.196	400	450	2.56	0.78	98.209	38	0.084	0.30	0.30	-0.70	-0.78	1.00	1.08	1.042	IL
2	SW02	SW03	1.60	0.70	2.30	37.805	0.630	10.501	400	450	2.56	0.78	98.209	143	0.318	0.30	0.30	-0.78	-1.10	1.08	1.40	1.243	IL
3	SW03	SW04	0.30	2.30	2.60	42.736	0.712	11.871	400	450	2.56	0.78	98.209	71	0.158	0.30	0.30	-1.10	-1.26	1.40	1.56	1.481	IL
4	SW04	SW05	1.20	2.60	3.80	62.460	1.041	17.350	400	450	2.56	0.78	98.209	87	0.193	0.30	0.30	-1.26	-1.45	1.56	1.75	1.657	CL
5	SW06	SW07	0.98	0.00	0.98	16.108	0.268	4.474	400	450	2.56	0.78	98.209	60	0.133	0.30	0.30	-0.70	-0.83	1.00	1.13	1.067	IL
6	SW07	SW08	0.45	0.98	1.43	23.505	0.392	6.529	400	450	2.56	0.78	98.209	90	0.200	0.30	0.30	-0.83	-1.03	1.13	1.33	1.233	IL
7	SW08	SW05	0.90	1.43	2.33	38.298	0.638	10.638	400	450	2.56	0.78	98.209	61	0.136	0.30	0.30	-1.03	-1.17	1.33	1.47	1.401	CL
8	SW05	TO OUTFALL	0.00	6.13	6.13	100.758	1.679	27.988	400	450	2.56	0.78	98.209	5	0.011	0.30	0.30	-2.62	-2.63	2.92	2.93	2.928	IL
													555										

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MATERIAL STATEMENT for STORM WATER DRAINAGE SYSTEM								
S.No	FROM	TO	Dia of Pipe	Length	Length of line In mtr. (RCC Pipe)			
			(mm)	(m)	AREA SELF	300 mm	400 mm	500mm
1	SW01	SW02	400	38	0	0	38	0
2	SW02	SW03	400	143	0	0	143	0
3	SW03	SW04	400	71	0	0	71	0
4	SW04	SW05	400	87	0	0	87	0
5	SW06	SW07	400	60	0	0	60	0
6	SW07	SW08	400	90	0	0	90	0
7	SW08	SW05	400	61	0	0	61	0
8	SW05	OUT FALL	400	5			5	
TOTAL				555.0	0.0	0.0	555.0	0.0
SAY				Say 560 mtr		0.0	555.0	0.0

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PROPOSED BUILDING PLAN OF IT PARK/CYBER PARK COLONY MEASURING 6.1375 ACRES, SEC-66, GURUGRAM, MANESAR URBAN COMPLEX

DESIGN CALCULATION FOR FLUSHING WATER SYSTEM

S. NO.	Reference line		TOTAL POPULATION	Total Water Requirement.	Total Water Requirement	DIA	Velocity	Length of Line	(S) Slope of pipe	Head Loss for line Length	Fitting Loss @ 10% of pipe length	Total Head Loss	cumulative head loss	Air Release Valve
	From	To	(In Nos)	(In LPD)	(In LPM)	(In MM)	m/sec	(In Mtr)	(In m/m)	(In Mtr)	(In Mtr)	(In Mtr)		
1	F-01	F-03	3898	77960	217	40	1.5	60	0.122	7	1	8.070	8.070	1
2	F-02	F-03	1659	33180	92	40	1.5	27	0.122	3	0	3.632	11.702	1
3	F-03	F-04	1559	31180	87	65	1.5	23	0.069	2	0	1.756	21.528	-
4	F-04	STP	0	0	0	80	1.5	8	0.054	0	0	0.479	22.007	-

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— 40mm dia pipe — 87 mtr say 90 mtr
 — 65mm dia pipe = 23+696 = 719 mtr say 720 mtr
 — 80mm dia pipe = 8 mtr say 10 mtr

**PROPOSED BUILDING PLAN OF IT PARK/CYBER PARK COLONY MEASURING
6.1375 ACRES, SEC-66, GURUGRAM, MANESAR URBAN COMPLEX**

MATERIAL STATEMENT OF FLUSHING WATER LINE

S. No.	Reference Line		Dia of pipe	Length of Pipe	G.I Length of Pipe	G.I Length of Pipe	G.I Length of Pipe	ARV
	From	To	(mm)	(m)	80 mm	65 mm	40 mm	EACH
1	F-01	F-03	40	60	-	-	60	1
2	F-02	F-03	40	27	-	-	27	1
3	F-03	F-04	65	23	-	23	-	1
4	F-04	STP	80	8	8	-	-	-
TOTAL				118	8	23	87	3
GRAND TOTAL				120	10	25	90	3

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PROJECT REPORT/ESTIMATE FOR PROVIDING EXTERNAL SERVICES, eg., WATER SUPPLY, SEWERAGE, STORM WATER DRAINAGE, ETC. IN RESPECT OF IT PARK COLONY KNOWN AS PROPOSED BUILDING PLANS OF IT PARK/ CYBER PARK COLONY MEASURING 6.1375 ACRES (LICENCE NO 112 OF 2012 DATED 27.10.2012) IN SECTOR -66,GURUGRAM MANESAR URBAN COMPLEX

REPORT

The proposed project is for Commercial tower at Gurgaon. Everyone knows the fact why Gurgaon is developing so fast, the main reason behind it is that the Gurgaon is hardly 25 to 30 KM away from Delhi. Being in the National Capital Region the Gurgaon town has fast developing tendency and potential, further Haryana Govt. has also started sharing the growing industrial/commercial load of Delhi and Faridabad. Keeping in view the above facts Haryana Govt, has decided to establish various sectors for Institutional, Group Housing, Mall Multiplex and Commercial Complex buildings in Gurgaon. The above-mentioned IT park project is being developed by M/s AIPL. Client is submitting the same for your reference and approval. This report and estimate is for area measuring approximately 6.1375 Acres

WATER SUPPLY

The source of water supply shall be HUDA water supply connection but till HUDA line laid in this area water supply shall be through tubewell and this water is potable. It has been proposed to construct underground tanks of capacity of Raw Water 100 KL (100 KI x 1), Domestic treated water 100 KL (100 KI x 1) and firefighting tanks 525 KL (175 x 3) nos , and at location as per drawing for the purpose of domestic and fire protection. It has been proposed to construct underground tanks of capacity as per attached details and at location for domestic purpose. The underground tanks will be fed from HUDA supply, from there water will be pumped to O.H tanks on the roof of each Block.

DESIGN:

The scheme has been designed for the population as given in attached sheets.

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 and it shall be either provided separately or added to the capacity of main generator.

SEWERAGE SCHEME

Sewer line from proposed development will be connecting to proposed external Sewage Treatment Plant (Capacity 500 KLD) within the complex and excess water, if any, will be disposed off to proposed HUDA Master Sewer. The sewerage system has been marked on the respective plans.

Sewer lines have been designed for 3.0 times average D.W.F in relation to water supply demand. It has been assumed that about 80% 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 (0.72 m/sec) self cleaning velocity. Sewer line up to 250 mm dia has been designed to run half full and above 250 mm dia has been designed to run three fourth full at peak flow. Necessary provision for laying S.W pipe sewer line, construction of required number of manholes etc. have been made in the estimate. The sewer line has been designed as per Manning's formulae.

For Gupta Promoters Private Limited

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

STORM WATER DRAINAGE:

We are proposing to lay underground R.C.C pipe drains with required number of MANHOLE for disposal of storm water which will be connecting rain water harvesting system to recharge the aquifer and surplus storm water will be allowed to flow to the HUDA Master drain along the services road. The intensity of rain fall has been taken as $\frac{1}{4}$ " (6.25mm) per hour and storm water line has been designed as per Manning's formulae.

SPECIFICATIONS:

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

Roads:

Cost of road has been taken in the estimate.

Street Lighting:

Provision for streets lighting has been included.

Horticulture:

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

Rates:

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

Cost:

The total cost of the scheme, including cost of all services works out to be **Rs. 373 lakhs** (Rupees Three crore seventy three lakh) including 3% contingencies @ 49% departmental charges, price escalation, unforeseen & admin charges etc. 654.50

For M/S ~~AIPL~~

For Gupta Promoters Private Limited

Authorized signatory

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DESIGN CALCULATION:

(i) Water requirement Chart

PROJECT - PROPOSED BUILDING PLAN FOR IT/CYBER PARK IN SEC- 66, GURGAON

WATER CONSUMPTION SHEET														WATER FLOW TO STP			
S.NO.	DESCRIPTION	AREA (IN SQM)	OCCUPANY LOAD	TOTAL POPULATION	TOTAL WATER REQUIRED ACC. TO NBC	FLUSHING WATER REQ	COLD (DO M) WATER REQ	HOT (DO M) WATER REQ	TOTAL COLD AND HOT WATER REQ.	TOTAL GROSS WATER REQUIRED	FLUSHING WATER	DOMESTIC WATER	TOTAL FLOW TO SEWER				
					LPD	LPCD	LPD	LPCD	LPD	LPD	100%	90%					
OFFICE																	
1	GROUND FLOOR OFFICES		10														
	FLOATING POPULATION	5123	35SQM/PERSON	461	45	20	9221	25	11527	0	0	11527	20748	9221	10374	19595	
	FIXED POPULATION		10% OF TOTAL POPULATION	51	15	5	256	10	512	0	0	512	768	256	461	717	
2	1ST FLOOR OFFICES																
	FLOATING POPULATION	4613	10 SQM/ PERSON	415	45	20	8303	25	10379	0	0	10379	18683	8303	9341	17646	
	FLOATING POPULATION		10% OF TOTAL POPULATION	46	15	5	231	10	461	0	0	461	692	231	415	646	
3	2ND FLOOR OFFICES																
	FLOATING POPULATION	5311	10 SQM/ PERSON	478	45	20	9560	25	11950	0	0	11950	21510	9560	10755	20315	
	FLOATING POPULATION		10% OF TOTAL POPULATION	53	15	5	266	10	531	0	0	531	797	266	478	744	
4	3RD FLOOR OFFICES																
	FLOATING POPULATION	7458	10 SQM/ PERSON	671	45	20	13424	25	16781	0	0	16781	30205	13424	15102	28526	
	FLOATING POPULATION		10% OF TOTAL POPULATION	75	15	5	373	10	746	0	0	746	1119	373	671	1044	
5	4TH FLOOR OFFICES																
	FLOATING POPULATION	7458	10 SQM/ PERSON	671	45	20	13424	25	16781	0	0	16781	30205	13424	15102	28526	
	FLOATING POPULATION		10% OF TOTAL POPULATION	75	15	5	373	10	746	0	0	746	1119	373	671	1044	
6	5TH FLOOR OFFICES																
	FLOATING POPULATION	6963	10 SQM/ PERSON	627	45	20	12533	25	15667	0	0	15667	28200	12533	14100	26633	
	FLOATING POPULATION		10% OF TOTAL POPULATION	70	15	5	348	10	696	0	0	696	1044	348	627	975	
7	6TH FLOOR OFFICES																
	FLOATING POPULATION	5401	10 SQM/ PERSON	486	45	20	9722	25	12152	0	0	12152	21874	9722	10937	20659	
	FLOATING POPULATION		10% OF TOTAL POPULATION	54	15	5	270	10	540	0	0	540	810	270	486	756	
8	7TH FLOOR OFFICES																
	FLOATING POPULATION	4924	10 SQM/ PERSON	443	45	20	8863	25	11079	0	0	11079	19942	8863	9971	18834	
	FLOATING POPULATION		10% OF TOTAL POPULATION	49	15	5	246	10	492	0	0	492	739	246	443	689	
9	8TH FLOOR OFFICES																
	FLOATING POPULATION	3806	10 SQM/ PERSON	343	45	20	6851	25	8564	0	0	8564	15415	6851	7707	14558	
	FLOATING POPULATION		10% OF TOTAL POPULATION	38	15	5	190	10	381	0	0	381	571	190	343	533	
10	9TH FLOOR OFFICES																
	FLOATING POPULATION	2807	10 SQM/ PERSON	253	45	20	5053	25	6316	0	0	6316	11366	5053	5684	10737	
	FLOATING POPULATION		10% OF TOTAL POPULATION	28	15	5	140	10	281	0	0	281	421	140	253	393	
11	10TH FLOOR OFFICES																
	FLOATING POPULATION	3004	10 SQM/ PERSON	270	45	20	5407	25	6759	0	0	6759	12166	5407	6083	11490	
	FLOATING POPULATION		10% OF TOTAL POPULATION	30	15	5	150	10	300	0	0	300	450	150	270	420	
12	11TH FLOOR OFFICES																
	FLOATING POPULATION	3004	10 SQM/ PERSON	270	45	20	5407	25	6759	0	0	6759	12166	5407	6083	11490	
	FLOATING POPULATION		10% OF TOTAL POPULATION	30	15	5	150	10	300	0	0	300	450	150	270	420	
13	12TH FLOOR OFFICES																
	FLOATING POPULATION	983	10 SQM/ PERSON	88	45	20	1769	25	2212	0	0	2212	3981	1769	1991	3760	
	FLOATING POPULATION		10% OF TOTAL POPULATION	10	15	5	49	10	98	0	0	98	147	49	88	137	
14	MAINTENANCE STAFF																
	TOTAL	60855		6186			114579		145510			145510	260089	114579	130956	245535	
	SAY IN KLD			6185			115		144			144	259	115	131	246	
COMMERCIAL																	
1	GROUND FLOOR																
	FLOATING POPULATION	1180	35SQM/PERSON	354	15	5	1770	10	3540	0	0	3540	5310	1770	3186	4956	
	FIXED POPULATION		10% OF TOTAL POPULATION	39	45	20	787	25	983	0	0	983	1770	787	885	1672	
2	1ST FLOOR																
	FLOATING POPULATION	324	6 SQM/ PERSON	49	15	5	243	10	486	0	0	486	729	243	437	680	
	FLOATING POPULATION		10% OF TOTAL POPULATION	5	45	20	108	25	135	0	0	135	243	108	122	230	
3	6TH FLOOR																
	FLOATING POPULATION	104	6 SQM/ PERSON	16	15	5	78	10	156	0	0	156	234	78	140	218	
	FLOATING POPULATION		10% OF TOTAL POPULATION	2	45	20	40	25	50	0	0	50	90	40	45	85	
4	SWIMMING POOL																
			L/S				20000		20000								
5	MAINTENANCE STAFF																
	FILTER BACK WASH & FLOOR MOPPING			50	45	20	1000		1000								
6	TOTAL	1608		515			4026		5080			4026	5940		9966		
	SAY IN KLD						118805		177110			118805	177110		255501		
	GRAND TOTAL			6700			118576		169827			118576	268403		262430		
	SAY IN KLD						119		177			119	208		255		

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(i)	Total of domestic and flushing requirement (177+119)	=	296 268.00 KLD
	SAY	=	<u>270.00 KLD</u> 300KL
	Domestic requirement	=	180 170.00 KLD
	Flushing requirement	=	120.00 KLD +32 KL (1100) = 152KL
	STP Capacity @ 90% of total Domestic water requirement		256
	And 100 % of total flushing water requirement	=	253.00 KLD
	SAY (Add 10% safety margin)	=	280.00 KLD 268.80KL say 270KL
	Add 220 kl from existing municipal line	=	280 + 220 = 500 KLD
(ii)	Horticulture water requirement (Organized Green) = (0.788 acres / 3190 sqm x 10ltr./sqm.)		<u>31.90 KLD, SAY = 32 KL</u> ✓
	TOTAL WATER DEMAND (i+ii)	=	500+30 = 530 KLD
	SAY	=	530.00 KLD
(i)	Fire Fighting requirement 100√P = 100√6.7 = 258.84	=	258.84 KL
	SAY	=	300 <u>525 KL</u>

II. Summary of UGT & Source of water

(i)	Domestic water (From Bore well / HUDA)	=	180 170.00 KLD 1/2 = 90KL say 100KL
(ii)	Flushing water (From STP)	=	120.00 KLD
(iii)	Horticulture (From STP)	=	32.00 KLD 2 = 76KL say 80KL
(iv)	Fire fighting water tank	=	525.00 KLD

Therefore it is proposed to construct under ground tank of Raw Water 100 KL (100 x1), domestic water 100 KL (100 x1) and fire fighting tank 525 KL (175 x 3) nos at location as per marked on site plan and flushing and garden irrigation water 32 KL (32 x1) tank located in STP.

Tube well

Approx. discharge of tube-wells @ 20 KL/hr. and working 16 hrs/day

a)	Total Domestic Water demand	=	180 170
b)	Number of tube-wells 170/20/8	=	1.0625 No. ✓
c)	Add 10% as standby	=	0.106 No.
	Total	=	1.17 No. = 1.00
	Say	=	<u>1.00 No. (1 Working + 1 Stand by)</u>
(ix)	Pumping machinery for tube well:		2. W
	Gross working head	=	70.00 mts.
	Average fall in S. L	=	5.00 mts.
	Depression Head	=	5.00 mts.
	Friction loss in main	=	10.00 mts.
	Total	=	90.00 mts.
	Say	=	100.00 mts.

$$\text{HP} = \frac{20000 \times 100}{60 \times 60 \times 75 \times 0.6}$$

$$= 12.34 \text{ SAY} = 12.50 \text{ HP}$$

Since there is a proposal to connect HUDA water for domestic use, we recommend ⁽²⁾ 1 No. standby tubewells ~~also~~ to be installed.

PUMPING SYSTEM FOR WATER SUPPLY:

(A) Total domestic water requirement = ¹⁸⁰ 170 KL

(i) Pumping @ ⁽⁸⁾ 6 hours / day = $\frac{180}{8} = 22.50$

= $\frac{170}{6} = 28.33 \text{ KL/hr}$

= 375 472.22 lpm

SAY = ³⁸⁰ 480 lpm

= ³⁸⁰ 250 lpm (2w+1s)

(IW + IS)

BOOSTING MACHINERY FOR DOMESTIC PUMP

(ii) Gross working head

(1) Residual head = 10 meter

(2) Friction loss = 10 meter

(3) Static head required = 70 meter

TOTAL = 90 meter

(vi) HP = $\frac{380 \times 90}{60 \times 75 \times 0.65} = 7.6 \text{ HP}$, SAY = ^{12.66} 8.0 HP / pump

^{15.00 HP}

It is proposed to provide ⁽²⁾ 3 Nos. pumps of ³⁸⁰ 250 lpm @ 90 Mtr. Head (^I 2 Working + 1 Stand by) for Domestic Supply.

(B) Total flushing water requirement = ¹²⁰ 175 KL

(i) Pumping @ ⁽⁸⁾ 6 hours / day = $\frac{120}{8} = 15.00 \text{ KL/hr}$

= $\frac{175}{6} = 29.17 \text{ KL/hr}$

SAY = 333.33 lpm

OR = ^{250 LPM} 170 lpm (2W+1S)

BOOSTING MACHINERY FOR FLUSHING PUMP

(ii) Gross working head

(1) Residual head = 10 meter

(2) Friction loss = 10 meter

(3) Static head required = 70 meter

TOTAL = 90 meter

(vi) HP = $\frac{250 \times 90}{60 \times 75 \times 0.65} = 5.2 \text{ HP}$, SAY = ^{8.33 HP} 5.5 HP / pump

^{10 HP}

It is proposed to provide ⁽²⁾ 3 Nos. pumps of ²⁵⁰ 170 lpm @ 90 Mtr. Head (^I 2 Working + 1 Stand by) for Flushing Supply.

- (C) Total irrigation water requirement = 32 KL
- (i) Pumping @ 2 hours / day = 32 / 2 = 16 KL/hr.
- SAY = 266 lpm
- OR = 270 lpm (1W+1S)

BOOSTING MACHINERY FOR IRRIGATION PUMP

- (ii) Gross working head
- (1) Residual head = 5 meter
- (2) Friction loss = 25 meter
- (3) Static head required = 10 meter
- TOTAL = 30 meter

(vi) HP = $\frac{270 \times 30}{60 \times 75 \times 0.65} = 2.8$ HP, SAY = 3.0 HP

3.0

It is proposed to provide 2 Nos. pumps of 270 lpm @ 30Mtr. Head (1 Working + 1 Stand by) for Irrigation Supply.

CAPACITY OF DG SETS.

S.NO.	EQUIPMENT	QTY	HP	Total HP
(1)	TUBEWELL PUMPS	1	12.5	12.5
(2)	TRANSFER PUMPS (Domestic)	2 1	8.0 15.0	16.0 15.0
(3)	TRANSEER PUMPS (Flushing)	2 1	5.5 10.0	11.0 10.0
(4)	TRANSEER PUMPS (Irrigation)	1	3.0	3.0
	TOTAL			42.5
			*0.746	31.70 KW
		SAY	*1.5	47.55 KVA

45.32 KW A

It is proposed to add 50 KVA capacities for above said machinery to the main DG set.

For Gupta Promoters Private Limited

Arushi
Authorized Signatory

**PROPOSED BUILDING PLAN OF IT PARK/CYBER PARK COLONY MEASURING 6.1375 ACRES, SEC-66, GURUGRAM,
MANESAR URBAN COMPLEX**

MATERIAL STATEMENT FOR EXTERNAL FIRE HYDRANT

S. No.	Reference Line	Pipe Length (m)	GI pipe length			
			80 MM OD	100 MM OD	150 MM OD	
1	UGT TO A	6	2		6	
2	A-B	3	2		3	
3	B-B1	7	2		7	
	B-C	50	2		50	
	C-C1	7	2		7	
	C-D	43	2		43	
	D-E	86	2		86	
	E-F	194	2		194	
	F-G	128	2		128	
	G-A	177	2		177	
	TOTAL	701	20	0	701	
	EFH	15	20			

For Gupta Promoters Private Limited

Amrinder

Authorized Signatory

K. Ratna

KAMAL RATRA
CA / 92 / 14687



**PROPOSED BUILDING PLAN OF IT PARK/CYBER PARK COLONY MEASURING 6.1375 ACRES, SEC-66, GURUGRAM,
MANESAR URBAN COMPLEX**

MATERIAL STATEMENT FOR GARDEN HYDRANT

S. No.	Reference Line	Pipe Length (m)	upVC pipe length			G.I Pipe
			25 MM OD	32 MM OD	50 MM OD	65 mm
1	STP TO GH-01	7	20			696
2	GH-01 TO GH-02	57				
	GH-02 TO GH-03	46				
	GH-03 TO GH-04	86				
	GH-04 TO GH-05	126				
	GH-05 TO GH-06	69				
	GH-06 TO GH-07	128				
	GH-07 TO GH-08	77				
	GH-08 TO GH-01	100				
	TOTAL	696	20	0	0	696
	GH	18				

For Gupta Promoters Private Limited

Anmol F
Authorized Signatory

K. Ratna
KAMAL RATRA
CA / 92 / 14687



PROPOSED BUILDING PLAN OF IT PARK/CYBER PARK COLONY MEASURING 6.1375 ACRES, SEC-66, GURUGRAM, MANESAR URBAN COMPLEX									
MATERIAL STATEMENT OF MUNICIPAL WATER LINE									
S. No.	Reference Line		Dia of pipe	Length of Pipe	DIA OF PIPE (D.I PIPE)	DIA OF PIPE (G.I PIPE)			Air Release Valve
MUNICIPAL WATER SUPPLY									
1	MWS-01	MWS-02	100	181	181				
GRAND TOTAL				181	181	0	0	0	0
OR SAY				200	200	0			

185

185



For Gupta Promoters Private Limited

Amber

Authorized Signatory

Kamal Ratna

KAMAL RATNA
CA / 92 / 14687



**PROPOSED BUILDING PLANS OF IT PARK/ CYBER PARK COLONY MEASURING 6.1375 ACRES (LICENCE NO 112 OF 2012 DATED 27.10.2012)
IN SECTOR -66,GURUGRAM MANESAR URBAN COMPLEX**

Sub -Work No. 1 Sub -Head No. 01		Source of Temporary arrangement (Bore well)			
S.NO	Description	Unit	Qty	Rate	Amount
1	Boring and installing 510 mm i/d borewell with reverse rotary rig complete with pipe and strainer to a depth of about 80 metre in all respect including cost of Valve chamber & pump chamber.	Each	2	1,00,000/- 700,000	2,00,000/- 1,400,000.00
2	Provision of construction of tube well chamber of standard size 4.5 X 3.5m <i>1.5M X 1.5M complete w all respect</i>	Each	2	1,50,000/- 225,000	2,50,000/- 450,000.00
3	Providing Submersible pumps for the following.				
(a)	Tubewell pumps			1,60,000/-	3,20,000/-
(i)	335 LPM AT 100 m Head <i>12-50 HP</i>	Each	2	75,000/-	150,000.00
4	Providing and fixing Ball / Butterfly valve.			1,00,000/-	4,00,000/-
4.1	100 mm dia.	Each	4	5,000/-	20,000.00
4.2	150 mm dia. <i>400K</i>	Each	2	15,000/- 6,500	30,000/- 13,000.00
5	UGT 725000 Ltrs capacity compartments. <i>Dom. + Pipe = 100 + 300 = 400K</i>	Ltrs	725000	5.00	3,625,000.00
6	Construction of boundary wall gate around the tube well site	LS	2	200,000.00	400,000.00
7	Provision of footpath hedges and lawns at tubewell	LS	2	75,000.00	150,000.00
8	Provision for carriage of materials and other unforeseen items.	LS		50,000	50,000.00
9	Provision for construction of staff quarters for MTC staff.			5.8	500,000/-
		LS		100000.00	100,000.00
	Total Abstract of cost for Subwork No. 1			54,90,000/-	6,358,000.00
	SAY IN TAKH <i>PF</i>				63.58
	Add 3% contingencies & PH Charges			1,64,700/-	1.91
	TOTAL			56,54,700/-	65.49
	Add 49% Departmental charges, price escalation, unforeseen, Admin.			2,70,803/-	32.09
	TOTAL			84,25,503/-	97.58

Say Re 84,26 Lakh.

For Gupta Promoters Private Limited

Author
Authorized Signatory

K. Ratra
KAMAL RATRA
CA / 92 / 14687



**PROPOSED BUILDING PLANS OF IT PARK/ CYBER PARK COLONY MEASURING 6.1375 ACRES (LICENCE NO 112 OF 2012 DATED 27.10.2012)
IN SECTOR -66,GURUGRAM MANESAR URBAN COMPLEX**

Sub -Work No. 1 Sub -Head No. 02		Water Supply (Pumping Machinery)			
S.NO	Description	Unit	Qty	Rate	Amount
1	Provision for diesel engine generator set each for standby arrangements for T.W. & Booster pump complete with 50 KVA capacities. <i>2 10,000/- per KVA</i>	LS	1	300,000 <i>L.S</i>	300,000.00 <i>5,00,000/-</i>
2	Providing Boosting pumps for the following.				
(a)	DOMESTIC PUMP			<i>22500/-</i>	<i>450,000/-</i>
(i)	<i>250</i> 250 lpm & 90 m Head (2 working+1 Standby) <i>15 HP</i>	Each	<i>-3</i> (2)	210,000	630,000.00
(b)	FLUSHING PUMP			<i>2,00,000/-</i>	<i>4,00,000/-</i>
(i)	<i>250</i> 170 lpm & 90 m Head (2 working+1 Standby) <i>-10 HP</i>	Each	<i>-3</i> (2)	250,000	750,000.00
(D)	IRRIGATION PUMP			<i>150,000/-</i>	<i>3,00,000/-</i>
(i)	270 lpm & 30 m Head (1 working+1 Standby) <i>, 3 HP</i>	Each	2	180,000 <i>L.S</i>	360,000.00 <i>1,00,000/-</i>
3	Provision for chlorination plant complete.	Each	1	35,000	35,000.00
4	Provision for making foundations and erection of pumping machinery.	LS		100,000	100,000.00
5	Provision for pipes, valves and specials inside the pump chamber and boosting chamber.	LS		100,000	100,000.00
6	Provision for electric service connection including electrical fitting for tube-well and boosting chamber etc. (lumpsum) including cost of transformor.	LS		<i>L.S</i> 50,000	<i>2,00,000/-</i> 50,000.00
7	Provision for carriage of material and other unforeseen items etc.	LS		50,000	50,000.00
Total Abstract of cost for Subwork No. 1				<i>22,50,000/-</i>	2,375,000.00
SAY IN LAKH					23.75
Add 3% contingencies & PH Charges				<i>66000/-</i>	0.71
TOTAL				<i>22,66,000/-</i>	24.46
Add 49% Departmental charges, price escalation, unforeseen, Admin.				<i>1110340/-</i>	11.99
TOTAL				<i>33,76,340/-</i>	36.45

Say Rs 33.77 Lakh

For Gupta Promoters Private Limited

Amol F
Authorized Signatory

K. Ratna

KAMAL RATRA
CA / 92 / 14687



**PROPOSED BUILDING PLANS OF IT PARK/ CYBER PARK COLONY MEASURING 6.1375 ACRES (LICENCE NO 112 OF 2012 DATED 27.10.2012)
IN SECTOR -66,GURUGRAM MANESAR URBAN COMPLEX**

Sub -Work No. 1 Sub -Head No. 03		Water distribution lines			
S.NO	Description	Unit	Qty	Rate	Amount
1	Providing, laying, jointing and testing DI pipe lines including cost of excavation etc. complete in all respects.		130	1250	162500/-
a	100 mm dia.	Mtr	10	2350	23,500.00
2	Providing, laying, jointing and testing GI pipe lines including cost of excavation etc. complete in all respects.				
a	80 mm dia.	Mtr	10	1,650	16,500.00
b	65 mm dia.	Mtr	25	1,200	30,000.00
c	50 mm dia.	Mtr		850	-
d	40 mm dia.	Mtr	90	750	67,500.00
e	20 mm dia.	Mtr		450	-
3	Providing and fixing sluice / Butterfly valve including cost of surface box and masonry chamber etc.complected in all respects.		3	12000	36000/-
(a)	100 mm dia.	Each	2	11,500	23,000.00
(b)	80 mm dia.	Each		10,500	-
(c)	65 mm dia.	Each		9,000	-
(d)	50 mm dia.	Each		4,500	-
4	Providing and fixing ball valves including cost of surface boxes and masonry chambers etc. complete in all respect.				
a	20 mm dia.	Each		750	
b	25 mm dia.	Each		950	
c	40 mm dia.	Each	3	1,250	3,750.00
5	Providing and fixing air valves and scour valves including cost of brick masonry chamber complete.	Each	3	3,500	10,500.00
6	Provision of cutting of roads & making good to its original condition and carriage of material etc and other unforeseen	LS			100,000.00
7	Provision for carriage of material and other unforeseen Items etc.	LS		50,000	50,000.00
Total Abstract of cost for subwork No. 1				378,500/-	324,750.00
SAY IN LAKE				11355/-	3.25
Add 3% contingencies & PH Charges					0.10
TOTAL				399,855/-	3.34
Add 49% Departmental charges, price escalation, unforeseen, Admin.				196,291/-	1.64
TOTAL				596,146/-	4.98

Say Rs 5.81 Lakh

For Gupta Promoters Private Limited

Amber F
Authorized Signatory

K. Ratna
KAMAL RATRA
CA / 92 / 14687



**PROPOSED BUILDING PLANS OF IT PARK/ CYBER PARK COLONY MEASURING 6.1375 ACRES (LICENCE NO 112 OF 2012 DATED 27.10.2012)
IN SECTOR -66,GURUGRAM MANESAR URBAN COMPLEX**

Sub -Work No. 1 Sub -Head No. 04		Rising Main From HUDA			
S.NO	Description	Unit	Qty	Rate	Amount
1	Provision for rising main from HUDA main to UGT	LS		50,000	50,000.00
2	Providing, laying, jointing and testing DI pipe lines including cost of excavation etc. complete in all respects.			1250	231250
a	100 mm dia.	Mtr	185	2,350	434,750.00
	(2) Provision for w/s connection from HSD line L-s				1,00,000
	Total Abstract of cost for subwork No. 1				331250 484,750.00
	SAY IN LAKH				4.85
	Add 3% contingencies & PH Charges			9938	0.15
	TOTAL			341188	4.99
	Add 49% Departmental charges, price escalation, unforeseen, Admin.			167182	2.45
	TOTAL			508370	7.44

Say Re 5.08 Lakh



For Gupta Promoters Private Limited

Amish F

Authorized Signatory

K. Ratna

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**PROPOSED BUILDING PLANS OF IT PARK/ CYBER PARK COLONY MEASURING 6.1375 ACRES (LICENCE NO 112 OF 2012 DATED 27.10.2012)
IN SECTOR -66,GURUGRAM MANESAR URBAN COMPLEX**

Sub -Work No. 1 Head No. 05		Sub -	FIRE FIGHTING		
1	Providing , Laying , jointing and testing G.I. pipes lines including cost of excavation etc. complete in all respect.				
(a)	80 mm dia. Pipe.	M	20	1800	36,000.00
(b)	150 mm dia. Pipe.	M	705	1800	1,269,000.00
2	Providing and fixing external fire hydrants etc.	EACH	15	8500	127,500.00
Total Abstract of cost for Subwork No. 1					1,432,500.00
SAY IN LAKH					14.325
Add 3% contingencies & PH Charges					0.43
TOTAL					14.75
Add 49% Departmental charges, price escalation, unforeseen, Admin.					7.23
TOTAL					21.98

③ Prov. & installation of Pumping set of following capacities for fire protection:-

- 180 LPM at 100 M Head (7.5 HP) — 2 Nos @ 15,000/- 30,000/-
- 2850 LPM at 100 M Head (110 HP) — 2 Nos @ 10,00,000/- 20,00,000/-
- 2850 LPM at 10 M Head (410 HP) — 2 Nos @ 10,00,000/- 20,00,000/-

④ Provision for carriage of material :- 1,00,000/-

Add 3% contingency charges.
Add 49% depts. charges, price escalation & Admin charges.

47,55,375/-
14,26,611/-

48,98,036/-
24,00,038/-
72,98,074/-

For Gupta Promoters Private Limited

[Signature]
Authorized Signatory

[Signature]
KAMAL RATRA
CA / 92 / 14687



Say Re 72.98 Lakh

**PROPOSED BUILDING PLANS OF IT PARK/ CYBER PARK COLONY MEASURING 6.1375 ACRES (LICENCE NO 112 OF 2012 DATED 27.10.2012)
IN SECTOR -66,GURUGRAM MANESAR URBAN COMPLEX**

Sub -Work No. 1 Sub -Head No. 06		Water supply Irrigation & flushing water System			
S. NO	Description	Unit	Qty	Rate	Amount
1	Providing, Laying, Jointing and testing uPVC (6 kg/cm ²) pressure rating pipe line confirming to IS : 4985 including cost of excavation etc. complete in all respect. (Garden Hydrant Line)				
(a)	25 mm dia	Meter	20	200	4,000.00
2	Providing, laying, jointing and testing GI pipe lines including cost of excavation etc. complete in all respects.				10,000/-
a	80 mm dia.	Mtr	10	1000	16,500.00
b	65 mm dia.	Mtr	720	85	61,200.00
c	40 mm dia.	Mtr	90	550	49,500.00
3	Providing and fixing 20 mm dia irrigation hydrant Valve complete in all respect.	Each	18	3500	63,000.00
4	Providing and fixing sluice / Butterfly valve including cost of surface box and masonry chamber etc.complected in all respects.				
(a)	65 mm dia.	Each	4	9000	36,000.00
5	Providing and fixing air valves and scour valves including cost of brick masonry chamber complete.	Each	3	3,500	10,500.00
6	Provision for carriage of Material and other unforeseen. Items.	LS		10,000.00	10,000.00
7	Provision of cutting of roads & making good to its original condition and carriage of material etc and other unforseen	LS			10,000.00
Total Abstract of cost for Subwork No. 1				820,500/-	1,087,500.00
SAY IN LAKH					10.88
Add 3% contingencies & PH Charges				24,615/-	0.33
TOTAL				845,115/-	11.20
Add 49% Departmental charges, price escalation, unforeseen, Admin.				414,106/-	5.49
TOTAL				1,259,221/-	16.69

Say Re 12.60 Lakh.

For Gupta Promoters Private Limited

Amol
Authorized Signatory

K. Ratna
KAMAL RATNA
CA / 92 / 14687



**PROPOSED BUILDING PLANS OF IT PARK/ CYBER PARK COLONY MEASURING 6.1375 ACRES (LICENCE NO 112 OF 2012 DATED 27.10.2012)
IN SECTOR -66,GURUGRAM MANESAR URBAN COMPLEX**

Sub -Work No. II		Sewerages System			
S. NO	Description	Unit	Qty	Rate	Amount
1	Providing and laying uPVC SN 4 conforming to IS : 15328 PVC-U underground Pipes for sewerage and drainage system including all fittings with solvent cement joint interconnection complete as directed by manufacturer's recommendations.				
1.1	200 mm diameter	M		2,900	622,500
1.2	150 mm diameter	M	415	2,500	1,037,500.00
2	Provision for GI pipe From STP outfall by pumping.			1,500	
1.2	150 mm diameter	M	185	1,500	277,500.00
3	Provision for lighting and watching.	LS		25,000	25,000.00
4	Provision for providing oblique junction	LS		25,000	25,000.00
5	Provision of making connection from HUDA	LS		30,000	30,000.00
6	Providing of temporary timbering	LS		50,000	50,000.00
7	Providing STP	KL	270 KL	16,000	4,320,000
8	Provision for vent shafts at suitable places as per public health requirement	LS		100,000	100,000.00
8	Provision of cutting of roads & making good to its original condition and carriage of material etc and other unforeseen	LS			100,000.00
Total Abstract of cost for Subwork No. II				5,683,875/-	3,395,000.00
SAY IN LAKH					33.95
Add 3% contingencies & PH Charges				170,516/-	1.02
TOTAL				5,854,391/-	34.97
Add 49% Departmental charges, price escalation, unforeseen, Admin.				2,868,652/-	17.13
TOTAL				8,723,043/-	52.10
Say 87.23 Lakh.					
Sub -Work No. III		Storm Water System			
S. NO	Description	Unit	Qty	Rate	Amount
1	Providing, lowering, laying & jointing RCC NP2 class pipes and specials into trenches including cost of excavation, cost of manholes etc. complete in all respects.				
(a)	400 mm dia.	M	560	700	392,000.00
2	Provision for rainwater harvesting arrangements @ Rs. 1. lac per acre for approximately 6.13 acres by providing Recharging Well.	LS	6.13	100,000	613,000.00
3	Provision of road gully chamber with pipe connection	LS		3,500	

For Gupta Promoters Private Limited

Authorized Signatory

K. Ratna.
KAMAL RATRA
CA / 92 / 14687



BUILDING PLANS OF IT PARK/ CYBER PARK COLONY MEASURING 6.1375 ACRES (LICENCE NO 112 OF 2012 DATED 27.10.2012) IN SECTOR -66,GURUGRAM MANESAR URBAN COMPLEX					
	Sub -Work No. III		Storm Water System		
S . NO	Description	Unit	Qty	Rate	Amount
1	Providing, lowering, laying & jointing RCC NP ³ class pipes and specials into trenches including cost of excavation, cost of manholes etc. complete in all respects.				
(a)	400 mm dia. <i>RCC Pipe NP3</i>	M	560	<i>2500/-</i> 700	<i>14,00,000/-</i> 392,000.00
2	Provision for rainwater harvesting arrangements @ Rs. 1. lac per acre for approximately 6.13 acres by providing Recharging Well.	LS	<i>6 Nos</i> 6.13	<i>2,50,000/-</i> 100,000	<i>15,00,000/-</i> 613,000.00
3	Provision of road gully chamber with pipe connection	LS		<i>3,500/-</i>	<i>3,00,000/-</i>
4	Provision for lighting and watching.	LS		<i>25,000/-</i>	<i>25,000.00</i>
5	Provision for connection with HUDA Storm water main line 1 no.	LS	1	<i>25,000/-</i>	<i>25,000.00</i>
6	Provision of cutting of roads & making good to its original condition and carriage of material etc and other unforeseen	LS			<i>50,000/-</i> 100,000.00
Total Abstract of cost for Subwork No. III				<i>34,00,000/-</i>	<i>1,155,000.00</i>
SAY IN LAKH					11.55
Add 3% contingencies & PH Charges				<i>1,02,000/-</i>	<i>0.35</i>
TOTAL				<i>350,2000/-</i>	<i>11.90</i>
Add 49% Departmental charges, price escalation, unforeseen, Admin.				<i>171,59,80/-</i>	<i>5.83</i>
TOTAL				<i>52,17,980/-</i>	<i>17.73</i>

Say Re 52.18 Lakh

For Gupta Promoters Private Limited

Arjun
Authorized Signatory

Kamal Ratna
KAMAL RATNA
CA / 92 / 14687



BUILDING PLANS OF IT PARK/ CYBER PARK COLONY MEASURING 6.1375 ACRES (LICENCE NO 112 OF 2012 DATED 27.10.2012) IN SECTOR -66,GURUGRAM MANESAR URBAN COMPLEX					
Sub -Work No.IV		Roads and Footpaths			
S.NO	Description	Unit	Qty	Rate	Amount
1	Providing for leveling and earth filling as per site condition 6.1375 acres @ Rs. 50,000.00 per acres	acres	6.1375	50000.00 1,50,000/-	306875.00 920625/-
2					
i)	Soiling stone 100mm thick (90-63mm) gauge completed to 75mm thick WBM specification & Confirming to MOT Specification (Table 400-6 grading No-2)				
ii)	Wearing coat (Top coat) 100thick (63-40mm) gauge completed to 75mm thick WBM specification & Confirming to MOT Specification (Table 1400-6 grading No-3)				
iii)	25mm thick pre-mix carpet with seal coat 3698.1 sqm @ Rs.180/- per sqm	sqm	3698.10	1200 180.00	4437720/- 665,658.00
3	Provision for kerbs and channels of CC (1:2:4) on both sides of road 616.35 metre (106.82x2)	metre	1234 6016.35	600/- 275.00	740400/- 1,654,496.25
4	Provision for cement concrete pavement 1:2:4 on road 3698.1 sqm @ Rs. 250/- sqm	sqm	3698.10	L.S 250.00	924,525.00 5,00,000/-
5	Provision for plot indicator board and guide map & demarcation burgi and making parking arrangement.		L.S		1,250,000.00 5,00,000/-
6	Provision for traffic light arrangement				1,250,000.00
7	Provision for carriage of material all other unforeseen item (L.S)				700,000.00 1,00,000/-
				Total	6,751,554.25
	Add 3% contingencies				202,546.63
				Total	6,954,100.88
	Add 14% Deptt. Charges , Price Escalation Unforeseen, Admn				973,574.11
					103,616.10
				Total	7,927,675.00
				Say In Lacs	79.28
					103.62

Say Re 113.55 Lakh.

For Gupta Promoters Private Limited

Amber

Authorized Signatory

Kamal Ratra

KAMAL RATRA
CA / 92 / 14687



BUILDING PLANS OF IT PARK/ CYBER PARK COLONY MEASURING 6.1375 ACRES (LICENCE NO 112 OF 2012 DATED 27.10.2012) IN SECTOR -66,GURUGRAM MANESAR URBAN COMPLEX					
	Sub -Work No. V (1)		Plantation and road side trees		
S.NO	Description	Unit	Qty	Rate	Amount
a)	Trenching the ordinary soil upto dept of 60cm including removal and stacking of serviceable materials 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 mannure before and after flooding trench with water including cost of imported earth and mannure				
b)	Rough dressing of trufed area				
c)	Grassing with "Doob Grass" including watering and maintenance of lawns for 30 days till the grass forms 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 150000/-			150000/-	920625/-
	(6.1375 acres @ 20000 per acre	acre	6.1375	70,000.00	429,625.00
2	Provisions trees, guards and planting trees along road at 12mt interval				
	Total Road length =616.35 m				
	616.35/12 =51.36 nos, Say =51 nos				
	Cost of Analysis of planting trees				
	Excavation @ Rs.20.00/- 60				
	Manure @ Rs.20.00/- 90				
	Tree plant @ Rs.20.00/- 180				
	Tree guard @ Rs.190.00/- 1800				
	Total Rs.250 per trees 13000	Nos	51	250.00	12,750.00
	Add 3% contingencies				1053225/-
					315971/-
					13,271.25
	Add 14% Deptt. Charges , Price Escalation Unforeseen, Admn				Total 1084822/-
					455,646.25
					531563/-
					223256/-
					63,790.48
					Total 1616383/-
					519,436.75
					Say In Lacs 16.17 Lacs
					5.19

For Gupta Promoters Private Limited

Anish
Authorized Signatory

Kamal Ratra
KAMAL RATRA
CA / 92 / 14687



BUILDING PLANS OF IT PARK/ CYBER PARK COLONY MEASURING 6.1375 ACRES (LICENCE NO 112 OF 2012 DATED 27.10.2012) IN SECTOR -66,GURUGRAM MANESAR URBAN COMPLEX					
	Sub -Work No. <u>V</u>		Street Lighting		
S.NO	Description	Unit	Qty	Rate	Amount
1	Providing for Street lighting with underground deducting on road as per standard specification of DHBVPL			2,50,000/-	1534375/-
	6.1375 acre @ 50000/- per acres - 2,50,000/- Acre	acres	6.1375	50,000.00	306,875.00
	Add 3% contingencies				9,206.25
				Total	1580406.25
	Add 14% Deptt. Charges , Price Escalation Unforeseen, Admn				221,256.88
				Total	1801,663.13
				Say In Lacs	18.01 Lacs

For Gupta Promoters Private Limited

Amol E
Authorized Signatory

K. Ratna
KAMAL RATRA
CA / 92 / 14687



BUILDING PLANS OF IT PARK/ CYBER PARK COLONY MEASURING 6.1375 ACRES (LICENCE NO 112 OF 2012 DATED 27.10.2012) IN
SECTOR -66,GURUGRAM MANESAR URBAN COMPLEX

Sub -Work No. VII		MTC. Charges & Resurfacing of Roads			
S.NO	Description	Unit	Qty	Rate	Amount
1	Providing of M/C charges for water supply , strom 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			7,50,000/-	4603125/-
	6.1375acre @ 2.50 lacs pr acre	acre	6.1375	250,000.00	1,534,375.00
2	Providing of resurfacing of roads after 5 years 100mm thick layer 100mm thick BUSG complete to 25mm thick premix carpet with seal cost			600/-	2218860/-
	(3698.1 sqm @ 180 per sqm	sqm	3698.10	180.00	665,658.00
3	Providing of resurfacing of roads after 10 years with 25mm thick premix carpet with seal coat with mech.paver			750/-	2773575/-
	(3698.1 sqm @ 90 per sqm	sqm	3698.10	90.00	332,829.00
			9595.560/-	Total	2,532,862.00
	Add 3% contingencies		287867.12		75,985.86
			9883.427/-	Total	2,608,847.86
	Add 14% Deptt. Charges , Price Escalation Unforeseen, Admn		4842879/-		12738323/-
			14726306/-	Total	2,974,086.56
				Say In Lacs	29.74

Say Rs 147.27 Lakh
Say Rs 28.28

For Gupta Promoters Private Limited

Amol
Authorized Signatory

KAMAL RATRA
CA / 92 / 14687



BUILDING PLANS OF IT PARK/ CYBER PARK COLONY MEASURING 6.1375 ACRES (LICENCE NO 112 OF 2012 DATED 27.10.2012) IN SECTOR -66,GURUGRAM MANESAR URBAN COMPLEX		
FINAL ABSTRACT OF COST		6.138
S.NO	DESCRIPTIONS	AMOUNT (RS.)
PART - A		
SUB WORK NO. I	WATER SUPPLY & FIRE FIGHTING SCHEME	185.00 214.51
SUB WORK NO. II	SEWERAGE SYSTEM	52.10 87.23
SUB WORK NO. III	STORM WATER DRINAGE	17.73 52.18
TOTAL OF PART A		254.83
PART - B		
SUB WORK NO. IV	ROAD & FOOT PATHS	113.55 79.28 103.62
SUB WORK NO. V	PLANTATION & ROAD SIDE TREES <i>Street lighting</i>	23.55 5.19 6.79
TOTAL OF PART B		84.47 110.41
PART - C		
SUB WORK NO. VI	STREET LIGHTING <i>Plamnation & Road side Tree</i>	3.60 4.70
SUB WORK NO. VII	MTC. CHARGES INCL RESURFACING OF ROADS AFTER 1st 5 YEARS AND 2nd YEAR OF MTC (AS PER HUDA NORMS)	29.74 38.88 147.27
TOTAL OF PART C		33.34 43.58
TOTAL OF A+B+C		372.64 408.82
TOTAL		372.64 408.82
SAY IN LAKHS		373.00 408.82
<i>say Re 654.50 Lakh</i>		
Deviation of Cost	60.77 66.61	
Say	60.77 67.00	Lakhs Per Acre

Cost Per Acre = $\frac{654.50}{6.1375} = 106.64$ Lakh

Superintending Engineer
HSVP Circle No. II,
Gurugram

Director
Town & Country Planning
Haryana, Chandigarh

For Gupta Promoters Private Limited

Amol
Authorized Signatory

KAMAL RATRA
CA / 92 / 14687



Checked subject to comments
in forwarding letter No. 9.4.169
Dt. 31/05/2021...and notes
attached with the estimate

Executive Engineer
HSVP Division No. IV
Gurugram

Addl. Chief Engineer
HSVP, Gurugram

Superintending Engineer (HQ)
for Chief Engineer 1 HSVP
Panchkula

PROPOSED BUILDING PLANS OF IT PARK/ CYBER PARK COLONY MEASURING 6.1375 ACRES (LICENCE NO 112 OF 2012 DATED 27.10.2012) IN SECTOR -66,GURUGRAM MANESAR URBAN COMPLEX		
SUB WORK No. 1	Water Supply & Fire Fighting scheme	
	<i>Head work,</i>	
Sub Head No. 01	Source of Temporary arrangement (Borewell)	<i>84.26</i> 97.58
Sub Head No. 02	Water Supply & Fire Fighting Pumping Machinery	<i>33.77</i> 36.45
Sub Head No. 03	Water distribution lines	<i>5.81</i> 4.98
Sub Head No. 04	Rising Main From HUDA	<i>5.08</i> 7.44
Sub Head No. 05	FIRE FIGHTING <i>including machinery</i>	<i>72.98</i> 21.98
Sub Head No. 06	Water supply (Irrigation System <i>+ Pesticide</i>)	<i>12.60</i> 16.69
TOTAL		<i>214.51</i> 185.12
SAY (IN LAKHS)		<i>214.51</i> 185.00

For Gupta Promoters Private Limited

Ankur F
Authorized Signatory

K. Ratna.

KAMAL RATRA
CA / 92 / 14687



**PROPOSED BUILDING PLAN OF IT PARK/CYBER PARK COLONY MEASURING 6.1375 ACRES,
SEC-66, GURUGRAM, MANESAR URBAN COMPLEX**

MATERIAL STATEMENT OF DOMESTIC WATER LINE

S. No.	Reference Line		Dia of pipe (mm)	Length of Pipe (m)	DIA OF PIPE (D.I PIPE) 100 mm	DIA OF PIPE (G.I PIPE)				Air Release Valve		
	From	To				80 mm	65 mm	40 mm	25 mm	Nos.		
1	D-01	D-03	40	60	60	-	-	60	-	1		
2	D-02	D-03	40	27	27	-	-	27	-	1		
3	D-03	D-04	65	23	23	-	23	-	-	1		
4	D-04	UGT	80	8-16	16	8	-	-	-	-		
		TOTAL		126	118	126	0	8	23	87	0	3
		SAY		120	130mm	10	25	90	0	0	3	

130mtr

Air release valves = 3 Nos

Kamal Ratra
KAMAL RATRA
CA / 92 / 14687



Amol

PROPOSED BUILDING PLAN OF IT PARK/CYBER PARK COLONY MEASURING 6.1375 ACRES, SEC-66, GURUGRAM, MANESAR URBAN COMPLEX

DESIGN CALCULATION FOR DOMESTIC WATER SYSTEM

S. NO.	Reference line		Popul. (Total No of Persons)	Total Requirement	Total Water Requirement	DIA.	Velocity	Length of Line	(S) Slope of pipe	Head Loss for line Length	Fitting Loss @ 10% of pipe length	Total Head Loss	CUMMULATIVE	Ground Level	Air Release Valve
	FROM	TO		(In LPD)	(In LPM)	(In MM)	m/sec	(In Mtr)	(In m/m)	(In Mtr)	(In Mtr)	(In Mtr)		(In Mtr)	Nos.
1	D-01	D-03	3898	97450	271	40	1.5	60	0.122	7.34	0.734	8.07	8.070	202.56	1
2	D-02	D-03	1659	41475	115	40	1.5	27	0.122	3.30	0.330	3.63	11.702	202.56	1
3	D-03	D-04	1559	38975	108	65	1.5	23	0.069	1.60	0.160	1.76	13.457	202.56	1
4	D-04	UGT	0	0	0	80	1.5	8/6	0.054	0.44	0.044	0.48	0.48	202.56	-

K. Ratna.
KAMAL RATRA
CA / 92 / 14687



say 136 mtr

/ Anil E

Length of Roads

S.I.	ROAD NO.	6 M
		LENGTH (M)
1	R1-R2	48
2	R2-R3	54
3	R3-R4	97
4	R4-R5	58
5	R5-R6	51
6	R6-R7	39
7	R7-R8	49
8	R8-R9	54
9	R9-R10	69
10	R10-R11	33
11	R11-R1	35
	TOTAL	587
Length of Road		587
Add 5% for Curve		29.35
Total Length		616.35
Total Area of Roads		3698.1