Directorate of Town & Country Planning, Haryana SCO-71-75, 2nd Floor, Sector-17-C, Chandigarh, Phone: 0172-2549349 Web site tcpharyana.gov.in - e-mail: tcpharyana6@gmail.com

Regd.

To

Planet Earth Estates Pvt. Ltd. (now known as Vatika Sovereign Park Pvt. Ltd.) 7th floor, Vatika Triangle, Sushant Lok-1,

Block-A, MG Road, Gurugram

28-08-2018 Dated: Memo No. LC-2684-B-JE(MK)-2018/

Subject:

Approval of Service Plan/Estimates for Group Housing Colony over an area measuring 10.43125 acres under licence No. 65 of 2013 dated 20.07.2013 in Sector 99, Gurugram being developed by Planet Earth Estates Pvt. Ltd.

Kindly refer your application on the subject noted above.

The Service Plans/Estimates in respect of Licence no. 65 of 2013 dated 20.07.2013 granted for setting up Group Housing colony over an area measuring 10.43125 acres falling in Sector 99, Gurugram Manesar Urban Complex have been checked and corrected wherever necessary by the Chief Administrator, HUDA & are hereby approved subject to the following terms and conditions:-

- That you will have to pay External Development Charges as a full and no deduction on account of any services proposed from other Department/from own sources by the colonizer for the time being, as EDC works for a town as a whole will have to be got executed in view of overall planning, proposed area also covered/to be covered in EDC, Gurugram Town, which is under finalization.
- 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.
- 3. That you are liable to maintain the licensed area for ten years or as per HUDA norms till such time, the colony is taken over by the local authority/State Govt.
- 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, LED lamps shall be provided to met the requirement of HVPNL and as well environment.
- 5. It is made clear that appropriate provision for fire-fighting arrangement as required in the NBC/ISI should also be provided by you and fire safety certificate. should also be obtained from the competent authority before undertaking any construction. You shall be sole responsible for fire safety arrangement.
- 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.
- The correctness of the levels of the colony will be sole responsibility of the owner for integrating the internal sewer/ storm water drainage of the colony by gravity with the master services.
- 8. That level/extent of external services to be provided by HUDA will be in accordance with EDC deposited. The colonizer will be fully responsible to meet the demand, to dispose of effluent and rain water till these services are provided
- 9. You shall be sole responsible for disposal of sewage of your colony as per requirement of HSPCB/Environment Deptt. till such time the external services are made available as per the proposal of the town. All the link connections with the external services shall be made by you at your own cost after seeking approval from competent authority. There should be no pollution due to disposal of sewerage of the colony. The disposal of the effluent should be accordance to the standard norms fixed by Haryana State Pollution Board/Environment Department.

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- The estimate does not include the provision of electrification of the colony. However, it is clear that the supervision charges and O&M charges shall be paid by you directly to the HVPNL.
- That you shall be solely responsible to lay the services upto the external services laid/to be laid by HUDA or any developing agency on Sector dividing road at respective locations/points
- 12. You have proposed to utilize recycled water for flushing purposes and provision of separate flashing line, storage tank, metering system, pumping system and plumbing has been made. Therefore, it is clarified that no tap or outlet of any kind will be provided from the flushing lines/plumbing lines for recycled water except for connection to the cistern of flushing tanks and any scouring arrangement. Even ablution taps should be avoided.
  - (i) Two separate distribution systems, independent to each other, will be adopted, one for potable water supply and second for recycled water. Every Home/Office/business establishment will have access to two water pipe lines.
  - (fi) Potable water and recycled water supply lines will be laid on opposite berms of road. Recycled water lines will be above sewer lines. Wherever unavoidable and if all pipes are required to be laid on same side of road, these will be located from the ground surface in order of descending quality. Potable water shall be above recycled water which should be above sewer. Minimum clear vertical separation between a potable water line and a recycled water line shall be one ft, if it not possible then readily identifiable sleeve should be used.

# To avoid any accidental use of recycled water for potable purposes all:-

- (a) Recycle water pipes, fitting, appurtenances, valves, taps, meters, hydrants will be of Red Colour or painted red.
- (b) Sign and symbols signifying and clearly indicating "Recycle Water" "Not fit for Drinking" must invariably be stamped/fixed on outlets, Hydrants Valves both surface and subsurface, Covers and at all conspicuous places of recycle distribution system.
- (c) Detectable marker tapes of red colour bearing words "Recycle Water" should be fixed at suitable interval on pipes.
- (d) Octagonal covers, red in colour or painted red and words "Recycle Water-Not fit for Drinking" embossed on them should be used for recycled water.
- That it shall be mandatory to provide dual/two button or lever flushing system in toilets.
- 14. You shall be sole responsible for the construction of various structures such as RCC underground tank etc. according to the standard specification good quality and its workmanship. The structural stability responsibility will entirely rest upon you.
- 15. In case some additional structures are required to be constructed and decided by HUDA/development agency at a later stage, the same will be binding upon you. Flow of control valves will be installed preferably of automatic type on water supply connection with main water supply line, laid by developing agency or HUDA.
- 16. The formation level of internal road should match with sector roads. Similar other services like water supply, sewerage and SWD level etc. should be fixed in integration of levels of EDC services of water supply, sewerage and SWD etc, which shall be ensured by you.
- 17. In case it is decided by Govt. that HUDA/Govt. will construct 24 m wide road and will extend master services on 24 m wide internal circulation road, then additional amounts at rates as decided by the authority/Govt. will be recoverable over and above EDC.

For Vatika Sovereign Park Pvt. Ltd.

19. This estimate does not include the common services like water supply, storage tank on the top of the building block, the plumbing works etc. will part of the

building works.

- 20. You will have to ensure that the sewer/storm water drainage to be laid by you will be connected with the proposed existing master services by gravity. If it is not possible to connect the services by gravity, it will be your sole responsibility to make the pumping arrangement and maintenance thereof for all the time to come.
- That you shall not make any connection with the master services i.e. water supply, sewerage, storm water drainage, without prior approval of the competent authority in writing.
- That the detailed technical proposal/scheme shall be got approved from this
  office before execution of work at site,
- The firm will provide solar water heating system as per the guidelines issued by Haryana Govt./Ministry of Environment/Govt. of India.
- 24. It is made clear that roof top rain harvesting system shall be provided by you as per Central Ground Water Authority norms/Haryana Govt. Notification and the same shall be kept operational/maintained all the time. The arrangement for segregation of first rain water not to be entered into the system shall also be made by you.
- 25. That you shall transfer the land under master plan road as well as service road to Govt./HUDA for construction of road/service road free of cost and proportionate cost for construction of service road shall also be paid by you.

## NOTE(1):-

In order to implement the directions given by National Green Tribunal dated 26.11,2014, 04.12.2014 and 19.01.2015 in original Application No. 21 of 2014 in the matter of Vardhman Kaushik V/s Union of India and Ors, the following instruction issued vide letter No. 2613 dated 5.3.2015 be incorporated for implementation at site as under:

i) It shall be ensured that there should be no hot mixing on the road side. During construction and maintenance of road, it shall be also ensure that coal tar, bitumen and asphalt is brought in molten condition and same is neither burnt nor

fire is put to melt these substances on open roads.

 The demolition material and construction material is transported with proper coverage and precautions, in order not to be cause serious air pollution.

iii) No Govt. authority, contractor, builders would be permitted to store and dump

construction material or debris on the metalled road.

Such storage does not cause any obstruction to the free flow of traffic and/ or inconvenience to the pedestrians. Every builder, contractor or person shall ensure that the construction material is completely covered by tarpaulin. To ensure that no dust particles are permitted to pollute the air quality as a result of such storage.

The builder/contractor will be responsible and ensure that their activity does not cause any air pollution during the course of the construction and/or storage of material or construction activity. Defaulter shall be liable to be prosecuted under

the law in force.

vi) All trucks or vehicles of any kind which are used for construction purposes and/or are carrying construction materials like cement send and other allied material shall be fully covered dust free and/or other precautions would be taken to ensure that enroute their destination, the dust, send or other particles are not permitted to be released in the air and/or contaminate air. Any truck which is not complying with these directions would not be permitted to enter in the NCR region.

#### NOTE(2):-

Implementation of instruction used by Hon'ble NGT during hearing held on 28.4.2015 in OA No. 21 of 2014 and OA No. 95 of 2014 in the matter of Vardhman Kaushik V/s Union of India and Ors, the following instruction issued vide letter No. CEIEE-

For Vatika Soveraign Park Pvt. Ltd.

W/CHD(G)/4971-89 dated 30.4.2015 shall be complied with in the construction work as under:-

- a. All the direction contained in our order dated 4<sup>th</sup> December, 2014 shall continue to be in force and the Authorities concerned would carry out the said directions in their true spirit and substance.
- b. There shall be complete prohibition of burning of any kind of garbage leave, waste plastic, rubber, self-moulding compound and such other materials in the open. Any person affected or concerned would have a right to make a complaint in writing.
- c. NGT further directed that all the Corporations of concerned states falling in NCR would notify on their websites, address and Mobile Number to which such complaint can be made/sent.
- Immediately upon receipt of such complaint, the concerned Authority and for Authorities the designed Officers would proceed to take action in accordance with law.
- e. For every incident of burning of any such above stated material, the person who is found actually burning such and/ or responsible for or abating such burning would be liable to pay compensation in terms of the Section 15 of the Nation Green Tribunal Act, 2010 for polluting the environment and would be liable to pay a sum Rs. 5000/- (to be paid instantaneously).
- f. In the event such offender refuses to comply with the directions of the Authorized Officers, the Authorized Officers would be at liberty to serve a notice upon him for appearing before the Tribunal and to show cause why the person burning, abating or responsible for such burning materials afore indicated, be not directed to pay compensation as may be determined by the Tribunal in accordance with law.
- g. The orders of the NGT are to be complied with as a decree / order of the Civil Court. All these Authorities and the Police are duty bound to carry out the directions/orders of the Tribunal in accordance with law. The money so collected, shall be maintained by the Corporation and / or any Authority as a separate fund to be utilized for improvement, restoration and restitution of the environmental degradation resulting from such activity or otherwise.
- The payment of such compensation shall not absolve the offender of other liabilities that such person may incur under different laws in force including other provisions of the National Green Tribunal Act, 2010.
- NGT has directed that there is no burning of leaves or horticulture residue, all the Corporations, Authorities and the State Governments to ensure that there is proper composting pits area-wise prescribed within one week from today (28.04.2015). The composting will be only at those sites and all the Corporations, Authorities and the State Governments shall be responsible to provide due space for collection and deposit of horticulture waste including leaves for composting purposes at these sites.
- Each officer under whose jurisdictions the area would fall, would be personally responsible for imposition of compensation and costs.
- k. The composition sites should be provided nearer to the places where there is large numbers of trees, gardens and compost bits which also convert into self-manure should be used for horticulture purposes to ensure that the burden on the site does not increase beyond its capacity.
- Decision in regard the land fill sites should be taken expeditiously as possible.
   Such adequate number of sites if not earmarked, should be identified by the respective corporations and authorities if not done so far.

For Vatika Sovereign Park Pvt. Ltd.

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- m. No one would permit the building of plastic and allied products in NCR area. if authorities notice any burning of such materials they would not only ensure that such activity does not persist, but even would be entitled to seize the entire material which is illegally and unauthorized stored/held by a person who does not possess of a license or authorization for dealing with such products in accordance with the plastic waste Management and Handling Rules, 2011. Upon seizure of such material, the authorities would take a direction from Hon'ble NGT and dispose of the same by giving it to the authorized dealer in accordance with the directions issued.
- You shall get revised the Service Plan/Estimates after approval of revised building plan.

A copy of the approved service plan/estimates is enclosed herewith. You are requested to supply three additional copies of the approved service plan/estimates to the Chief Administrator, HUDA, Panchkula under intimation to this office.

DA/As above

(Rajesh Kaushik)
District Town Planner (HQ)
For Director, Town & Country Planning
Haryana, Chandigarh

Endst. No LC-2684-B-ATP(SN)-2018/

Dated:

A copy is forwarded to the Chief Engineer-I, HUDA, Panchkula with reference to his memo No. CE-I/SE(HQ)/SDE(W)/2018/80877 dated 25.04.2018 for information and necessary action please.

(Rajesh Kaushik)
District Town Planner (HQ)
For Director, Town & Country Planning
Haryana, Chandigarh

For Vatika Sovereign Park Pvt. Ltd.



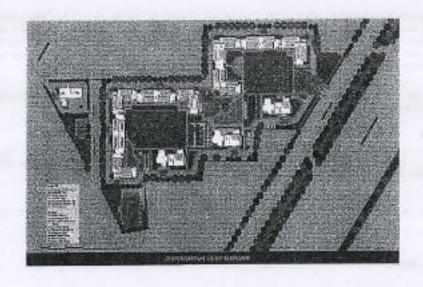
# GROUP HOUSING SCHEME MEASURING 10.43125

AT SEC.99, GURGAON (HR.)

SERVICE ESTIMATE, DESIGN REPORT AND CALCULATION

OF

INTERNAL DEVELOPMENT WORKS



DEVELOPED BY



M/S VATIKA LIMITED

For Vatika Sovereign Park Pvt. Ltd.

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Jan,2017

Suzzice Estimate, Design report, calculation and measurement sheet of internal development works

for Group housing scheme measuring DEVELOPED BY Vatika Group

10.43125 Acres at Sector 99, Gurgaon

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Gurgaon lown 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 outskirt of Gurgaon town.

This report and estimate is for approval of for Group housing scheme measuring

10.43125 Acres at Sector 99, Gurgaon

CONTRACTOR LIGHT COURT DELECTION

#### WATER SUPPLY

At present the source of water supply in this area is HUDA and optional bore well. As the underground water is polable number of bore well have been made in this estimate. 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 bore wells and HUDA supply, from there water will be supplied by set of variable frequency pump to all towers. The water supply system has been designed as per the Hazen William formula.

#### DESIGN

The scheme has been designed for population considering 5 person for each apartment and 2 person for EWS. The rate of water supply per head/day has been taken as (150+15%) i.e. 172.5 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 lines have been designed for three 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 sawer. Sewer lines shall be laid to a gradient maintaining minimum 2.46 ft./sec solf-cleaning velocity. Sewer line up to 400mm dia has been designed to run half full and above 400mm dia has been designed to run three fourth full at peak flow. Necessary provision for laying S.W/RCC pipe sewer line, construction of required number of manifoles 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. 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 %' 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

The estimate has been prepared based on the present market rates

The total cost of the scheme, including cost of all services works out to be Including 3% Contigencies Par Acres

1019500000) Rs. 85,049,137:49 49% Departmental

For Vatika Sovereign Park Pvt. Ltd.

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	14 16	Sprinkler pump (Electric operated)		2,850	LPM
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	iv .	Jockey pump (Electric operated) Jockey pump (Electric operated)		180 180	LPM LPM
	iv .	Jockey pump (Electric operated)		180	LPM
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	##	Jockey pump (Electric operated) Jockey pump (Electric operated) Curtain pump (Electric operated) Pump Head (for main electrical pumps) Suction lift Elevation Height Residual head		180 180 2,280 0 140 35	LPM LPM LPM
	##	Jockey pump (Electric operated) Jockey pump (Electric operated) Curtain pump (Electric operated) Pump Head (for main electrical pumps) Suction lift Elevation Height Residual head Friction Head Loss	Say	180 180 2,280 0 140 35 15	LPM LPM LPM Mir Mir
	a1)   a1)	Jockey pump (Electric operated) Jockey pump (Electric operated) Curtain pump (Electric operated)  Pump Head (for main electrical pumps) Suction lift Elevation Height Residual head Friction Head Loss Total pump head required	Say	180 180 2,280 0 140 35 15	LPM LPM LPM Mir Mir Mg
	a1) iii iii iii v	Jockey pump (Electric operated) Jockey pump (Electric operated) Curtain pump (Electric operated) Pump Head (for main electrical pumps) Suction lift Elevation Height Residual head Friction Head Loss Total pump head required  Pump HP (for main electrical pumps)	Say	180 180 2,280 0 140 35 15	LPM LPM LPM Mir Mir Mg
	a1) iii iii iii v	Jockey pump (Electric operated) Jockey pump (Electric operated) Curtain pump (Electric operated) Pump Head (for main electrical pumps) Suction lift Elevation Height Residual head Friction Head Loss Total pump head required  Pump HP (for main electrical pumps)	Say	180 180 2,280 0 140 35 15 190	LPM LPM LPM Mir Mir Mir Mir Mir
	a1) iii iii iii v	Jockey pump (Electric operated) Jockey pump (Electric operated) Curtain pump (Electric operated)  Pump Head (for main electrical pumps) Suction lift Elevation Height Residual head Friction Head Loss Total pump head required		180 180 2,280 0 140 35 15	LPM LPM LPM Mir Mir Mir Mir HP
	##	Jockey pump (Electric operated) Jockey pump (Electric operated) Curtain pump (Electric operated) Pump Head (for main electrical pumps) Suction IR Elevation Height Residual head Friction Head Loss Total pump head required  Pump HP (for main electrical pumps) Power Required each pump (Lpm*head (m)/4500*.65(eff))	Say	180 180 2,280 0 140 35 15 190 190	LPM LPM LPM Mir Mir Mir Mir Mir
		Jockey pump (Electric operated) Jockey pump (Electric operated) Curtain pump (Electric operated) Pump Head (for main electrical pumps) Suction lift Elevation Height Residual head Friction Head Loss Total pump head required  Pump HP (for main electrical pumps)		180 180 2,280 0 140 35 15 190 190	LPM LPM LPM Mir Mir Mir Mir HP

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	4.	Residual hea			112.7111	100			35	Mir	
	iii					41 1	1-11		10	1 min	
		Friction Head		- 1225 mail					185	Mir	
	V	Total pump I	read require	d	50100	0		The PHO-	The second second	3100.00	
								Say	190	Mtr	
	1		1		1				weenen der		
	6-25	Pump HP (to	r lockey elec	trical pumps)	Anna alvana		Contract of				
-	DEL	Danier Bear	and nooth mis	mp (Lpm*head	/m1/4500* 8	Statis	Section 1	150,150,000	11.7	HP	
	1	Power Requ	rea each pu	mp (r.pen ness	finih-spoo so	of a soil		Say	12	HP	2011
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W.				AND DESCRIPTION OF THE PARTY OF		warm V	and the same	Zallian		1111	
	c1)	Pump Head	for Curtain of	electrical pump	8)	8.4.0	-			100	
****		Suction lift			Old Hillion				0	Mtr	toner in
	1	Elevation Hel	ght				200		20	Mtr	*
		Residual hea				32300			15	Mir	
		Friction Head				-			15		
	W	Fill Coper Chesic	Luss	W-1		-			50	Mir	
	V	Total pump I	lead require	ď				E-iii	50	Mtr	
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				The second second	1	1	The second	100			HIE /
	C23	Pump HP (fo	r Curtain ele	ctrical pumps)	100 V 100 E	W- 200	Autory States				
	1	Power Peou	red each ou	mp (Lpm*head	(m)/4500*.6	5(effi)	Ellipsyselli	70.35	39.0	HP	
	-	. other mega	July Sucret Pro-		1			Say	31	HP	100
_						-					
-		-	200	ada a markin	of the second	e martin ha	a Installed of	Faudbordille	s Permils)		
9	100	Company of the Compan		ping machiner	y (porewell)	S WHI C	e maraneo o	authorities	a remina)		-
	8)							Contract of the		201.07	
	T	Yield / Borew	ell .						12.0	KL/Hr	
	1	Operation Bo		Y			lo chia	6.15-5.35	8.0	Hrs	
		Half Day Req							75.2	KL	
	III	Required nun	her of Dore	init in					0.8	Nos	
3	IV	required nun	ber to burew	reat		-			0.1	Nos	
	v	Add 10% as a	candby						0.9	Nos	-
	vI	Total Numbe	r of bore we	II .	1200			200	A LA CHICAGO DE CONTROL DE CONTRO		
					Control of	Bore w	ell Required	Say	1.0	Nos	
1			and the same of the			Bore w	ell Provided		1.0	Nos	
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	0)	Pumping Ma	crimery for E	outewell	-	-			60	Mir	
	1	Gross working	nead			1000			5	Mtr	-
	1	Average Fall	n S.L.						Commission of the bost section		-
	jii .	Depression H	ead loss						5	Mtr	
	lu.	Friction Loss	in main						10	Mir	
-		Total Head R						Contract of the	80	Mtr	
	V	Total Head R	equired	near Al Incombination	dw Mason's	55/a463	-		5,47	HP	7777
	W	Power Requi	red each pu	mp (Lipm*head	funhanen,'e	ea(em)		0.	6.0	HP	-
		+						Say	0.0		****
40	Eath	re Water to th	e proposed	development is	to be supp	olied by	HUDA from	the canal f	iltration schem	e and therefore it is	
0."	marit.	to install one	horaunii ca	etandher							
OΘ	sed	to install one	Potemen 42	standoy.		-					******
P .							-	-	-		***
-		CAPACITY O	F DG SET				-	-		14.5	-
						No of	Each		Total	Unit	
		Bury State Control of Page 1997	escription			Pump	power		Power		
		Equipment C	7			10000	cons (HP)		Cons		
		Equipment C			(ool	1	15.5	1000	16	HP	-
			renefer D. m.		41000		100000				
	T	Dom. Water 1	ransler Pum	PS A.B.C (WOR	2.1 E3500		46.46		7	HP	
	1	Dom, Water T	ransfer Pum ransfer Pump	os D.E.F.G.H.J.J	(,L,EW\$	. 4	6.5			BYSEC - CO. CO.	
	1	Dom. Water 1	ransfer Pum ransfer Pump	os D.E.F.G.H.J.J	(,L,EWS		510000		-	LUD	
	101	Dom, Water T Dom Water T (Working) Bore wells	ransfer Pump	os D.E.F.G.H.J.)	(,L,EW\$	1	6.0		6	HP	-
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	# 2 × 5 \$	Dom. Water T Dom Water T (Working) Bore wells Flu. Water Tr Flu. Water Tr Irr. Water Tr Total HP Reg DG KVA Reg DG Capacity	ransfer Pump ansfer Pumps ansfer Pumps nsfer Pumps uired julred (HP*.8)	s A,B & C (Wor s D,E,F,G,H,J,K (Working)	(,L,EW\$ king) ,L,EWS (W	1 1	6.0 5.5 4.0		6 4 6 43.0	HP HP HP	
	# 2 × 5 \$	Dom. Water T Dom Water T (Working) Bore wells Flu. Water Tr Flu. Water Tr Irr. Water Tr Total HP Reg DG KVA Reg DG Capacity	ransfer Pump ansfer Pumps ansfer Pumps nsfer Pumps uired julred (HP*.8)	s A,B & C (Wor s D,E,F,G,H,J,K (Working)	(,L,EW\$ king) ,L,EWS (W	1 1	6.0 5.5 4.0		6 4 6 43.0 34	MP MP MP MP KVA KVA	
	# 2 × 5 \$	Dom. Water To (Working) Bore wells Flu. Water Tr Flu. Water Tr Irr. Water Tra Total HP Reg DG KVA Rec DG Capacity HUDA Water	ransfer Pump ansfer Pumps nafer Pumps uired uired (HP*.8) Suply Line (	s A,B & C (Wor s D,E,F,G,H,J,K (Working)	king) J.EWS (W	1 1 1	6.0 5.5 4.0 5.5		6 4 6 43.0 34	HP HP HP HP KVA	
	# 2 × 5 \$	Dom. Water To (Working) Bore wells Flu. Water Tr Flu. Water Tr Tr. Water Tra Total HP Reg DG KVA Rec DG Capacity HUDA Water Total	ransfer Pump ansfer Pumps ansfer Pumps nsfer Pumps uired julred (HP*.8)	s A,B & C (Wor s D,E,F,G,H,J,K (Working)	king) LEWS (W	1 1 1	6.0 5.5 4.0 5.5		6 4 5 43.0 34 40	HP HP HP KVA KVA Total Head	
	# 2 × 5 \$	Dom. Water To (Working) Bore wells Flu. Water Tr Flu. Water Tr Irr. Water Tra Total HP Reg DG KVA Rec DG Capacity HUDA Water	ransfer Pump ansfer Pumps nafer Pumps uired uired (HP*.8) Suply Line (	s A,B & C (Wor s D,E,F,G,H,J,K (Working)	king) J.EWS (W	1 1 1 1 Lengt	6.0 5.5 4.0 5.5		6 4 5 43.0 34 40	MP MP MP MP KVA KVA	
	# 2 × 5 \$	Dom. Water To (Working) Bore wells Flu. Water Tr Flu. Water Tr Irr. Water Tr Total HP Reg DG KVA Rec DG Capacity HUDA Water Total Water Demand	ransfer Pump ansfer Pumps nafer Pumps uired uired (HP*.8) Suply Line (	s A,B & C (Wor s D,E,F,G,H,J,K (Working) ) (for domestic w	king) L,EWS (W ater use) Propose d Dia	1 1 1 1 Lengt h of Line	6.0 5.5 4.0 5.5 Fractional Head Loss		6 4 6 43.0 34 40 Velocity	HP HP HP KVA KVA Total Head Loss	
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Description	Total of sub work	3% Configencies and	TOTAL	49% departmental charges	Grand Total
Sub Work-1 Water Scopply	/62655To	488 056	16.25.64.16	9 21 = 742 +	24 94 7 359
Sub Work-2	4213900	126472	4340317	2.121.755	6467072
Sewerage	4,025,000	-129,777	.4/146.677	2/24/755	0,178,049
Sub Work-3 Drainage	5,077,000	177630	6098610	2988329	9086959
Sub Work-4 Road Werks	16140000	484200	16624200	\$145858 0308917	24770050
Sub Work-5 Street Lightling	1,773,000	£345"	2479480	1067945	3 247425
Sub Work-6 Plantation	1,166,000	5/45	1766470	965560-	2632=/0
Sub Work-7 Services & Resurfacing of road	20050000	60/500	20 65 / 500	1=119235 -8,100,454	3077073
TOTALS	Rs.,56,417,455.00	Rs. 1;663,523.05	Rs. 57,070,968.05	fts. 37,069,179,64	Rs. 85,040,137;49
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10/94/6/8

For:

For Valika Sovereign Rack Private Limited

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Say & 10/950000/Cost for Acres & 10/950000 = 97.74

Executive Engineer HUDA Division 10. III & Gurugram

Superintending F. garcor HUDA Circi No. 1,

For Vatika Sovereign Park Pvt. Ltd.

# SUB WORK No. 1

# WATER SUPPLY

S No.	Heads	Description	Amount
1	Sub Head 01	WATER SUPPLY	Rs. 3,943,580.00
2	Sub Head 02	HUDA Rising Mains	Rs. 270,500.00
3	Sub Head 03	Pumping and Machinery	Rs. 5,786,000.00
4	Sub Head 04	Water Supply and distribution	262-25°/ Rs. 2,374,060.00
5	Sub Head 05	Flushing/irr. System	Rs. 1,450,485.00
		TOTAL	/ 62 63 5 Co Rs. 13,832,535.00

For Vatika Sovereign Park Pvt. Ltd.

SUB	WORK No. 1	WATER SUPPLY
Sub F	Head 01 Bore	well & rising Main
S No.	Description	Amount
1	Boring and installing 510 mm i/d Bore well with reverse rotary rig complete with pipe and strainer to a depth of about 120 meter	
	1 Nos. @ Rs. 500,000 each.	Rs. 500,000.00
2	Provision for rising mains, connecting Bore wells with water main and bye-pass arrangements: for tank feeding.(CILA Pipe)	
a)	80 mm dia 35 Mtr. @ Rs. 1,600	Rs. 56,000.00
b)	100 mm dia 0 Mtr. @ Rs. 2,100	Rs. 0.00
3	Construction of UG Tank (In total) 925 KL @ Rs. 3,500 /-KL	Rs. 3,237,500.00
4	Provision of unseen items/carriage of materials	Rs. 50,000.00
5	Provision for construction of pump chamber of Size 1.5 x 5 x 1.5 m for Housing	-
	Bore wells 1 Nos. @ Rs. 100,000	Rs. 100,000.00
To	etal of Sub Head 01 Carried over to summary of Sub work - 1	Rs. 3,943,500.00

Material statement for Bore well refers to Water demand chart & Design chart Dom.

For Vatika Sovereign Park Pvt. Ltd.

	VORK No. 1			WATER SUPPL
-	enti 02			HUDA Rising Main
E Min	Description			Amount
i i	<ol> <li>Providing, laying, jointing and teeting CILA pipe lines from HUDA mains to wat</li> </ol>	er tank		- Pilliania
_	100 mm dla pipe 80 Mtr.	@ Rs. 2	100	Rs. 168,000.0
_	Providing and fixing sluter valve including cost of surface boxes and masonary of	hambers etc. co	omplete in all respects	
-			and the same of th	4000
	100 mm dia 1 Nos. Providing and fixing indicating plates for sluice valve and air valves.	@ Rs. 14	80850/-	Rs. 45-060.0
3		100		8.6
a)	1 Nos. @ Rs. 500 7500   Provision for carriage for materials and other unforescen items (US)	each		Rs. 580.0
	Provision for cutting of roads and making good to its original conditions ( US)			Rs. 25,6653
	Provision for making connection with HUDA (US)			Hn Socioció
				Rs. 279;500.0
_	Total of Sub Head 92 Carried over to summary of Sub work - 1  Material statement for HUDA Rising main:	e refere to Wat	or domand chart	0.34000
-	Material Statement for House Kising mann	S resers to man	er demand Chart	
Sab H	end 03		Pu	imping and machine
We	Description			Amount
	Providing and installing electricity driven submersible pumping set capable of de of 50m complete with motor and other accessories	livering about 1	4 KUHr of water against a total hea	
1	1 Nos. Rs. 100,000.00		TELL OF THE PARTY	Rs. 100,000.0
2	Providing & installing following capacity for Water supply Booster Pumps			10.100,000
	Providing & installing following capacity for Water supply Booster Pumps Capacity 260 LPM @ 140 mtr. Head. (A,B,C)	2 Nos. @	Rs. 180,000.00 each.	
a)	Capacity 260 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Bis.)	2 Nos. @ 2 Nos. @	Rs. 180,000.00 each. Rs. 225,000.00 each.	Rs. 360,000.0
a)			- CARLO CARLO CONTRACTOR OF THE CARLO CONTRACTOR OF TH	Rs. 360,000.0
a) b)	Capacity 260 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing & installing pumping set of following capacity for Flushing Pumps		- CARLO CARLO CONTRACTOR OF THE CARLO CONTRACTOR OF TH	Rs. 360,000.0
a) b) 3 a)	Capacity 260 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 95 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.)	2 Nos @ 2 Nos @ 2 Nos @	Rs. 225,000.00 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0
a) b) 3 a)	Capacity 260 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing & installing pumping set of following capacity for Flushing Pumps	2 Nos @ 2 Nos @ 2 Nos @	Rs. 225,000.00 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0
a) b) 3 a) b)	Capacity 260 LPM @ 140.mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing & installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing & installing pumping set of following capacity for Multistage Fire Pumps	2 Nos @ 2 Nos @ 2 Nos @	Rs. 225,000.00 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0 Rs. 300,000.0
a) b) 3 a) b) 4 a)	Capacity 260 LPM @ 140.mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing & installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing & installing pumping set of following capacity for Multistage Fire Pumps Capacity 2650 LPM @ 55/140 mtr. Head. (Main)	2 Nos. @ 2 Nos. @ 2 Nos. @	Rs. 225,000.60 each.  Rs. 125,000.60 each.  Rs. 150,000.60 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0 Rs. 300,000.0
a) b) 3 a) b) 4 a) b)	Capacity 260 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Bic.) Providing & installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing & installing pumping set of following capacity for Multistage Fire Pumps Capacity 2650 LPM @ 55/140 mtr. Head. (Main) Capacity 180 LPM @ 140 mtr. Head. (Jockey)	2 Nos. @ 2 Nos. @ 2 Nos. @	Rs. 125,000.60 each.  Rs. 125,000.60 each.  Rs. 150,000.60 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0 Rs. 300,000.0 Rs. 110,000.0
a) b) 3 a) b) 4 a) b)	Capacity 260 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing & installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing & installing pumping set of following capacity for Multistage Fire Pumps Capacity 2650 LPM @ 55/140 mtr. Head. (Main) Capacity 180 LPM @ 140 mtr. Head. (Jockey) Capacity 180 LPM @ 90 mtr. Low Head	2 Nos. @ 2 Nos. @ 2 Nos. @ 1 Nos. @ 1 Nos. @	Rs. 125,000.60 each.  Rs. 125,000.60 each.  Rs. 150,000.60 each.  Rs. 480,000.60 each.  Rs. 110,000.60 each.	Rs. 360,000 / Rs. 450,000 / Rs. 250,000 / Rs. 300,000 / Rs. 110,000 / Rs. 110,000 /
a) b) 3 a) b) 4 a) b) c)	Capacity 260 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Bic.) Providing 8 installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Multistage Fire Pumps Capacity 2650 LPM @ 55/140 mtr. Head. (Main) Capacity 180 LPM @ 140 mtr. Head. (Jockey) Capacity 180 LPM @ 90 mtr. Low Head. (Jockey) Capacity 180 LPM @ 90 mtr. Low Head. (Jockey)	2 Nos. @ 2 Nos. @ 2 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @	Rs. 125,000.60 each.  Rs. 125,000.60 each.  Rs. 150,000.60 each.  Rs. 480,000.60 each.  Rs. 110,000.60 each.  Rs. 110,000.60 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0 Rs. 300,000.0 Rs. 110,000.0 Rs. 110,000.0 Rs. 275,000.0
a) b) 3 a) b) 4 a) b) c) d)	Capacity 260 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Multistage Fire Pumps Capacity 2650 LPM @ 55/140 mtr. Head. (Main) Capacity 180 LPM @ 140 mtr. Head. (Jockey) Capacity 180 LPM @ 90 mtr. Low Head. (Jockey) Capacity 180 LPM @ 20 mtr. Head. (Curtain) Capacity 4500 LPM @ 20 mtr. Head. (Curtain) Capacity 4500 LPM @ 140 mtr. Head. (Glesel)	2 Nos. @ 2 Nos. @ 2 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @	Rs. 225,000.60 each.  Rs. 125,000.60 each.  Rs. 150,000.60 each.  Rs. 480,000.60 each.  Rs. 110,000.60 each.  Rs. 110,000.60 each.  Rs. 275,000.60 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0 Rs. 300,000.0 Rs. 110,000.0 Rs. 110,000.0 Rs. 275,000.0
a) b) 3 a) b) 4 a) b) c) d) e)	Capacity 260 LPM @ 140 mtr. Head. (A,B,C) Capacity 260 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mtr. Head. (A,B,C) Capacity 260 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Multistage Fire Pumps Capacity 2650 LPM @ 55/140 mtr. Head. (Main) Capacity 180 LPM @ 140 mtr. Head. (Jockey) Capacity 180 LPM @ 90 mtr. Low Head. (Jockey) Capacity 180 LPM @ 20 mtr. Head. (Curtain) Capacity 4500 LPM @ 140 mtr. Head. (Curtain)	2 Nos. @ 2 Nos. @ 2 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @	Rs. 225,000.60 each.  Rs. 125,000.60 each.  Rs. 150,000.60 each.  Rs. 480,000.60 each.  Rs. 110,000.60 each.  Rs. 110,000.60 each.  Rs. 275,000.60 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0 Rs. 300,000.0 Rs. 110,000.0 Rs. 110,000.0 Rs. 850,000.0
a) b) 3 a) b) 4 a) b) c) d) e) 5	Capacity 260 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Multistage Fire Pumps Capacity 2850 LPM @ 55/140 mtr. Head. (Main) Capacity 180 LPM @ 140 mtr. Head. (Jockey) Capacity 180 LPM @ 30 mtr. Low Head. (Jockey) Capacity 2850 LPM @ 20 mtr. Head. (Curtain) Capacity 4500 LPM @ 140 mtr. Head. (Curtain)	2 Nos. @ 2 Nos. @ 2 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @	Rs. 225,000.60 each.  Rs. 125,000.60 each.  Rs. 150,000.60 each.  Rs. 480,000.60 each.  Rs. 110,000.60 each.  Rs. 110,000.60 each.  Rs. 275,000.60 each.  Rs. 850,000.60 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0 Rs. 300,000.0 Rs. 110,000.0 Rs. 110,000.0 Rs. 850,000.0 Rs. 160,000.0
a) b) 3 a) b) 4 a) b) c) d) c) c) 5 a) 6	Capacity 260 LPM @ 140 mtr. Head (A,B,C) Capacity 200 LPM @ 55 mtr. Head (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mtr. Head (A,B,C) Capacity 200 LPM @ 55 mtr. Head (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Multistage Fire Pumps Capacity 2850 LPM @ 55/140 mtr. Head (Main) Capacity 180 LPM @ 140 mtr. Head (Jockey) Capacity 180 LPM @ 30 mtr. Low Head (Jockey) Capacity 180 LPM @ 30 mtr. Head (Curtain) Capacity 4500 LPM @ 20 mtr. Head (Curtain) Capacity 4500 LPM @ 140 mtr. Head (diesel) Providing 8 installing pumping set of following capacity for Irrigation Pumps Capacity 400 LPM @ 35 mtr. Head Provisions for chlorination plant complete	2 Nos. @ 2 Nos. @ 2 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @	Rs. 225,000.00 each.  Rs. 125,000.00 each.  Rs. 150,000.00 each.  Rs. 110,000.00 each.  Rs. 110,000.00 each.  Rs. 275,000.00 each.  Rs. 850,000.00 each.  Rs. 860,000.00 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0 Rs. 300,000.0 Rs. 110,000.0 Rs. 110,000.0 Rs. 850,000.0 Rs. 160,000.0
a) b) 3 a) b) 4 a) b) c) d) c) c) 5 a) 6	Capacity 260 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Multistage Fire Pumps Capacity 2850 LPM @ 55/140 mtr. Head. (Main) Capacity 180 LPM @ 140 mtr. Head. (Jockey) Capacity 180 LPM @ 90 mtr. Low Head. (Jockey) Capacity 2850 LPM @ 20 mtr. Head. (Curtain) Capacity 4500 LPM @ 140 mtr. Head. (Curtain) Capacity 4500 LPM @ 140 mtr. Head. (diesel) Providing 8 installing pumping set of following capacity for Irrigation Pumps Capacity 400 LPM @ 35 mtr. Head. Provisions for chiorination plant complete. — Provisions for chiorination plant complete.	2 Nos. @ 2 Nos. @ 2 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @	Rs. 225,000.00 each.  Rs. 125,000.00 each.  Rs. 150,000.00 each.  Rs. 110,000.00 each.  Rs. 110,000.00 each.  Rs. 275,000.00 each.  Rs. 850,000.00 each.  Rs. 860,000.00 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0 Rs. 300,000.0 Rs. 110,000.0 Rs. 110,000.0 Rs. 160,000.0 Rs. 160,000.0
a) b) 3 a) b) 4 a) b) c) d) c) c) 5 a) 6	Capacity 260 LPM @ 140 mtr. Head (A,B,C) Capacity 200 LPM @ 55 mtr. Head (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mtr. Head (A,B,C) Capacity 200 LPM @ 55 mtr. Head (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Multistage Fire Pumps Capacity 2850 LPM @ 55/140 mtr. Head (Main) Capacity 180 LPM @ 140 mtr. Head (Jockey) Capacity 180 LPM @ 30 mtr. Low Head (Jockey) Capacity 2850 LPM @ 20 mtr. Head (Curtain) Capacity 4500 LPM @ 140 mtr. Head (Curtain) Capacity 4500 LPM @ 140 mtr. Head (diesel) Providing 8 installing pumping set of following capacity for Irrigation Pumps Capacity 400 LPM @ 35 mtr. Head Provisions for chlorination plant complete — Provision for making loundations and erection of pumping machinery 1 set @ Rs. 25,000.00 —	2 Nos. @ 2 Nos. @ 2 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @	Rs. 225,000.00 each.  Rs. 125,000.00 each.  Rs. 150,000.00 each.  Rs. 110,000.00 each.  Rs. 110,000.00 each.  Rs. 275,000.00 each.  Rs. 850,000.00 each.  Rs. 860,000.00 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0 Rs. 300,000.0 Rs. 110,000.0 Rs. 110,000.0 Rs. 160,000.0 Rs. 160,000.0
a) b) 3 a) b) 4 a) b) c) d) c) c) 5 a) 6	Capacity 260 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mtr. Head. (A,B,C) Capacity 200 LPM @ 55 mtr. Head. (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Multistage Fire Pumps Capacity 180 LPM @ 55/140 mtr. Head. (Main) Capacity 180 LPM @ 90 mtr. Low Head. (Jockey) Capacity 180 LPM @ 90 mtr. Low Head. (Jockey) Capacity 4500 LPM @ 20 mtr. Head. (Curtain) Capacity 4500 LPM @ 140 mtr. Head. (Curtain) Capacity 4500 LPM @ 140 mtr. Head. (Jockey) Providing 8 installing pumping set of following capacity for Irrigation Pumps Capacity 400 LPM @ 35 mtr. Head. Provisions for chlorination plant complets. — Provision for making loundations and erection of pumping machinery 1 set @ Rs. 25,000.00 — Providen for pipes, valves and specials inside the boosting chamber.	2 Nos. @ 2 Nos. @ 2 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @	Rs. 225,000.00 each.  Rs. 125,000.00 each.  Rs. 150,000.00 each.  Rs. 110,000.00 each.  Rs. 110,000.00 each.  Rs. 275,000.00 each.  Rs. 850,000.00 each.  Rs. 860,000.00 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0 Rs. 300,000.0 Rs. 110,000.0 Rs. 110,000.0 Rs. 110,000.0 Rs. 160,000.0 Rs. 160,000.0 Rs. 160,000.0
a) b) 3 a) b) 4 a) b) c) d) c) c) 6 b) c) 7	Capacity 260 LPM @ 140 mtr. Head (A,B,C) Capacity 200 LPM @ 55 mtr. Head (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mtr. Head (A,B,C) Capacity 200 LPM @ 55 mtr. Head (D,H,F,E,G,L,J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Multistage Fire Pumps Capacity 180 LPM @ 55/140 mtr. Head (Main) Capacity 180 LPM @ 90 mtr. Head (Jockey) Capacity 180 LPM @ 90 mtr. Low Head (Jockey) Capacity 2500 LPM @ 20 mtr. Head (Curtain) Capacity 4500 LPM @ 140 mtr. Head (Curtain) Capacity 4500 LPM @ 15 mtr. Head (Curtain) Capacity 4500 LPM @ 35 mtr. Head (Providing 8 installing pumping set of following capacity for Irrigation Pumps Capacity 400 LPM @ 35 mtr. Head Provisions for chlorination plant complete — Provision for making loundations and erection of pumping machinery  1 set @ Rs. 25,000.00 —  Providen for pipes, valves and specials inside the boosting chamber  1 Set @ Rs. 25,000.00 —	2 Nos. @ 2 Nos. @ 2 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @	Rs. 225,000.00 each.  Rs. 125,000.00 each.  Rs. 150,000.00 each.  Rs. 110,000.00 each.  Rs. 110,000.00 each.  Rs. 275,000.00 each.  Rs. 850,000.00 each.  Rs. 860,000.00 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0 Rs. 300,000.0 Rs. 110,000.0 Rs. 110,000.0 Rs. 110,000.0 Rs. 160,000.0 Rs. 160,000.0 Rs. 160,000.0
a) b) d a) b) d)	Capacity 260 LPM @ 140 mtr. Head (D,H,F,E,G), J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mtr. Head (D,H,F,E,G), J,K,M,EWS,RETAIL Etc.) Capacity 260 LPM @ 55 mtr. Head (D,H,F,E,G), J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Multistage Fire Pumps Capacity 2850 LPM @ 55/140 mtr. Head (Main) Capacity 180 LPM @ 140 mtr. Head (Jockey) Capacity 180 LPM @ 30 mtr. Low Head (Jockey) Capacity 180 LPM @ 30 mtr. Head (Curtain) Capacity 4500 LPM @ 20 mtr. Head (Curtain) Capacity 4500 LPM @ 140 mtr. Head (Curtain) Capacity 4500 LPM @ 140 mtr. Head (Curtain) Capacity 4500 LPM @ 36 mtr. Head (Providing 8 installing pumping set of following capacity for Irrigation Pumps Capacity 400 LPM @ 36 mtr. Head Provisions for chlorination plant complete Provision for making foundations and srection of pumping machinery 1 set @ Rs. 25,000.00 — Provision for electric service connection including electrical fittings for possing pumps. 10 Set @ Rs. 75,000.00	2 Nos. @ 2 Nos. @ 2 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @	Rs. 225,000.00 each.  Rs. 125,000.00 each.  Rs. 150,000.00 each.  Rs. 110,000.00 each.  Rs. 110,000.00 each.  Rs. 275,000.00 each.  Rs. 850,000.00 each.  Rs. 860,000.00 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0 Rs. 300,000.0 Rs. 110,000.0 Rs. 110,000.0 Rs. 110,000.0 Rs. 160,000.0 Rs. 160,000.0 Rs. 25,000.0
a) b) 3 a) b) 4 a) b) c) d) d) c) c) 6 a) 6 a) 7 a	Capacity 260 LPM @ 55 mir. Head (D.H.F.E.G.L.J.K.M.EWS.RETAIL Etc.) Providing 8 installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mir. Head (A.B.C) Capacity 260 LPM @ 55 mir. Head (D.H.F.E.G.L.J.K.M.EWS.RETAIL Etc.) Providing 8 installing pumping set of following capacity for Multistage Fire Pumps Capacity 2650 LPM @ 55/140 mir. Head (Main) Capacity 160 LPM @ 140 mir. Head (Jockey) Capacity 160 LPM @ 30 mir. Low Head (Jockey) Capacity 160 LPM @ 30 mir. Head (Curtain) Capacity 2600 LPM @ 30 mir. Head (Curtain) Capacity 4500 LPM @ 140 mir. Head (Curtain) Capacity 4500 LPM @ 35 mir. Head (Curtain) Capacity 4500 LPM @ 35 mir. Head (Provisions for chlorination plant complets Provisions for chlorination plant complets Provision for making foundations and erection of pumping machinery  1 set @ Rs. 25,000.00  Provision for pipes, valves and specials inside the boosting chamber  1 Set @ Rs. 25,000.00  Provision for pipes, valves and specials inside the boosting chamber  1 Set @ Rs. 25,000.00  Provision for pipes. 10 Set @ Rs. 75,000:00  Provision for carriage of material and other unforeseen flems etc. L/S	2 Nos. @ 2 Nos. @ 2 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @ 2 Nos. @	Rs. 225,000.00 each.  Rs. 125,000.00 each.  Rs. 150,000.00 each.  Rs. 110,000.00 each.  Rs. 110,000.00 each.  Rs. 275,000.00 each.  Rs. 850,000.00 each.  I Nos @ Rs. 60,000.00 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0 Rs. 300,000.0 Rs. 110,000.0 Rs. 110,000.0 Rs. 160,000.0 Rs. 160,000.0 Rs. 25,000.0 Rs. 25,000.0 Rs. 750,000.0
a) b) 3 a) b) 4 a) b) c) d) d) c) c) 6 a) 7 a	Capacity 260 LPM @ 140 mtr. Head (D,H,F,E,G), J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Flushing Pumps Capacity 150 LPM @ 140 mtr. Head (D,H,F,E,G), J,K,M,EWS,RETAIL Etc.) Capacity 260 LPM @ 55 mtr. Head (D,H,F,E,G), J,K,M,EWS,RETAIL Etc.) Providing 8 installing pumping set of following capacity for Multistage Fire Pumps Capacity 2850 LPM @ 55/140 mtr. Head (Main) Capacity 180 LPM @ 140 mtr. Head (Jockey) Capacity 180 LPM @ 30 mtr. Low Head (Jockey) Capacity 180 LPM @ 30 mtr. Head (Curtain) Capacity 4500 LPM @ 20 mtr. Head (Curtain) Capacity 4500 LPM @ 140 mtr. Head (Curtain) Capacity 4500 LPM @ 140 mtr. Head (Curtain) Capacity 4500 LPM @ 36 mtr. Head (Providing 8 installing pumping set of following capacity for Irrigation Pumps Capacity 400 LPM @ 36 mtr. Head Provisions for chlorination plant complete Provision for making foundations and srection of pumping machinery 1 set @ Rs. 25,000.00 — Provision for electric service connection including electrical fittings for possing pumps. 10 Set @ Rs. 75,000.00	2 Nos. @ 2 Nos. @ 2 Nos. @ 1 Nos. @ 1 Nos. @ 1 Nos. @ 2 Nos. @	Rs. 225,000.00 each.  Rs. 125,000.00 each.  Rs. 150,000.00 each.  Rs. 110,000.00 each.  Rs. 110,000.00 each.  Rs. 275,000.00 each.  Rs. 850,000.00 each.  I Nos @ Rs. 60,000.00 each.	Rs. 360,000.0 Rs. 450,000.0 Rs. 250,000.0 Rs. 300,000.0 Rs. 110,000.0 Rs. 110,000.0 Rs. 160,000.0 Rs. 160,000.0 Rs. 25,000.0 Rs. 25,000.0 Rs. 25,000.0 Rs. 750,000.0

SUB WORK No. 1 WATER SUPPLY
Sub Head 04 Water supply and distribution (Domestic)

	Description			An	nount
1	Providing, laying, joi respects.	inling and testing GI pipe lines including fittings etc.	complete in all		alv.
a)	50 mm Pipe	300 Mir @_ Rs. \$60- /000 /	K	300000	Rs. 165,000
b)	65 mm Pipe	439 Mfr @ Rs. 750- / 250	R	548750	Rs. 329,063
c)	80 mm Pipe	171 MTr @ Rs. 650 /4 0%	A	239410	/ Rs. 94,188
d)	100 mm Pipe	130 Mir @ Rs. 760 22 = 1	R	286000	Rs. 97,500
	Providing, laying, joi respects.	nting and testing MS pipe lines including fittings etc	complete in all		
a)	80 mm Pipe	294 Mtr.@ Rs. 1,600			Rs. 470,400
b)	150 mm Pipe	276 Mir @ Rs. 2,800			Rs. 772,800
		sluice valve including cost of surface boxes and ma	sonry		
3	chambers etc. comp	elete in all respects.	sonry		Do a con
3 a)	chambers etc. comp 50 mm	slete in all respects.  3 Each @ Rs3.200 — 9 500/	sonry		Rs. 9;600
a) b)	chambers etc. comp 50 mm 65 mm	3 Each @ Rs. 3,200 9 50 9/ 5 Each @ Rs. 4,000 / 2550 /	sonry		Rs. 20,000
a) b) c)	chambers etc. comp 50 mm 65 mm 80 mm	5 Each @ Rs. 4,000 / 255 / 3 Each @ Rs. 6,500 / 6000	sonry		Rs. 20,000 Rs. 49,500
3 a) b) c) d)	chambers etc. comp 50 mm 65 mm 80 mm 100 mm	5 Each @ Rs. 4,000 / 255 / 3 Each @ Rs. 6,500 / 600 / 1 Each @ Rs. 9,000 - 31,000 /	sonry		Rs. 20,000 Rs. 19,500 Rs. 9,000
a) b) c) d)	chambers etc. comp 50 mm 65 mm 60 mm 100 mm Providing and fixing	Selete in all respects.  3	sonry		Rs. 20,000 Rs. 19,500 Rs. 9,000
3 b) c) d)	chambers etc. comp 50 mm 65 mm 80 mm 100 mm Providing and fixing 27 Nos @	Sete in all respects.  3 Each @ Rs. 3,290 9 5 0 9 5 0 9 6 0	sonry		Rs. 20,000 Rs. 19,500 Rs. 9,000
3 a) b) c) d)	chambers etc. comp 50 mm 65 mm 80 mm 100 mm Providing and fixing 27 Nos @ Providing and fixing	Selete in all respects.  3	sonry		Rs. 20,000 Rs. 19,600 Rs. 9,000 Rs. 207,000
3 a) b) c) d) 4	chambers etc. comp 50 mm 65 mm 80 mm 100 mm Providing and fixing 27 Nos @ Providing and fixing 8 Nos @	Sete in all respects.  3	sonry		Rs. 20,000 Rs. 19,600 Rs. 9,000 Rs. 207,000
3 a) b) c) d) 4 5	chambers etc. comp 50 mm 65 mm 80 mm 100 mm Providing and fixing 27 Nos @ Providing and fixing 8 Nos @ Provision for carriage	Selete in all respects.  3	sonry		Rs. 20,000 Rs. 19,600 Rs. 9,000 Rs. 207,000

For Vatika Sovereign Park Pvt. Ltd.

Cuttanzed Signatory

# Project - SOVEREIGN PARK SECTOR- 99, GURGAON

# Material statement for EFH

S No.	Line		EFH	dia	S No.	Line	de l'anne	EFH	dia
1	A-B	18	1.4	80	36	01-02	52	1	150
2	B1-B	14	1	150	37	02'-02	26		150
3	B-C	16	1.1	80	38	02'-0	10	1	80
4	C-D	22		150			W-38-		Small 115-60
5	D1-D	18	1	80	1222			600	fertines in
6	D-E	+ 12		150		Contract of the Contract of th			SHI HERE
7	E1-E	18	- 1	80	2000	1111		Temples	
8	E1'-E	15	1	150					
9	E2-E3	10	1	80					
10	E3-E	22		150					35000
11	E-F	40	1	80	Mary.	100000	Periodona	AF:5	3000000
12	F-G	30	11-01	150	seem with a				
13	G1-G2	14	1.1	80	WHEN T	- beidenn	46000年代	海遊	
14	G2-G3	35	1	150			100		
15	G3'-G3	46	1	150	CHENCE!				
16	G3-G	20		- 80	為學學學		Continues (	JA 12	
17	H4-H	17	1	150					52.000
18	H1-H2	40	1	150	EN MARCHAN	是否则能		65	1000
19	H1'-H2'	24	1	150			Lanous .	1	
21	H2'-H3'	3.8	1	80		122 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
22	H3'-H5'	30	1	150	TO SERVICE STATE			100	
23	H5-1	19		150					Vicinity in the second
24	1-1	17		150					
25	k-L	28	1	80	A CONTRACTOR OF THE PARTY OF TH				
26	L-M	17	1	150		September 1	<b>5</b>	<b>建</b>	
27	M1-M2	12-	1	80					
28	MZ'-M2	14	1	150	BELLEVINE STATE		\$150 Miles		<b>大学</b>
29	M2-M3	40		150	Talledon Talledon			ASSESSED U.S.	
30	M3 M3	19	1	80			harring the		
31	М3-М	22		150	10000000		THE RESERVE TO STATE OF THE PERSON NAMED IN COLUMN TO STA		6 0 0 0 0
. 32	M-N	43	1000000	80		West of the	No. of the last	diam'r.	Same of
33	N1-N	34	1	150	San San S	<b>建筑的</b>			
34	N2-N	23		150				100	
35	N-O	37	1	150	923393				A LOVE
						Storato (C)			
	Total EFH	27	Pipe		-				
-			80mm	294					
		- LIEBUX	150mm	276					

For Vatika Sovereign Park Pvt. Ltd.

SNO

Line No

11 2 2 2 M C C D B B B D > From

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b	t	40		100	4				1	8	100	-	150	4	10	100	1 30	A	52	32	35	35	27	26	37	35	AP.	3 4	1 00000	THE RESERVE
	200	4	00	200		68,				-	36	40		13			- 77	23	20	Section 1	21			223	123	27	FLATS EWS	1	1	
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0	30	9	4	446		2		1	0	0 9	400	130	- 0	105	170	1/10	355	1977	100	0	196		0	1115	10	105	73 Main	00000	-	
0	t	0	t	200	t			-	-	Ī	200	L	ti	5 30.5	T	F	5 35.5		15				T	511.5			n tos	2000		
0	60800	0	00000	00000	Adver	40180	1		3	000	47400	20010	0	18270	0	0	81770	20010	17400	0	18270	0	0	20010	18270	18270	LPD	water @1726 ItsPara	<b>CONTRACTOR</b>	CONTRACTOR AND ADDRESS OF THE PARTY AND ADDRES
		1200000		Section 1									1 1000				H-10		St. Complete								F	Facilities water consump tion	Carl Springer	
0	40803	0	40220	0	16666	200077				000011	44046	13407	0	12241	0	0	41386	13407	11858	0	12241	0	9	13407	12241	12241	Self		TANK.	Domastic Water and the object of co.
120990	40803	78857	40220	39837	38037	40,300	1	120000	96/601	- NAMED	Service	13407	78692	12241	66451	64793	41386	13407	11658	50129	12241	37889	25548	13407	12241	12241	Cumm.	Total Domestic Demand (LPD) (57% of Total)	SCHOOL SERVICE SCHOOL SERVICES	HAMMAN AND AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN TH
183	66	166	2.5	83	00		District of the	9.900	2010	240	8.181	27.9	163.9	25.5	138.4	1142	86.2	27.9	24.3	104.4	255	78.9	53.4	27.9	25.5	25.5	LPM		ACCEPTAGE 36	The second second
31.25	82.5	10	22.5	46.25	84.72	25.00		1112	1000	100	10	37.5	56.75	61.25	28.75	32.5	37.5	52.5	65	8	27.25	41.25	33.76	32.5	46.25	43.75	Mbr.	Ent. Langen (1.25%)	CORPORATERS	Market Services
65	88	23	68	65	83	2	144	100	8	98	18	85	81	50	86	8	85	100	8	8	8	8	8	8	50	50	mm	Dia propos ed	Part Contract	A STREET
1.514	0.512	1.002	0.505	0.497	0.487	200	-	0.010	2002	0.247	1.953	0.284	885.0	0.260	0.551	1.162	0.343	0.071	0.097	0.415	0.260	0.475	0.322	0.168	0.280	0.266	milbec	Velocity	STATE	
0.050	0,007	0.023	0.007	0.006	0.006	2000	1	0.030	0.000	0.002	0.110	0.003	0.023	0.000	0.006	0.042	0.000	0.000	0.000	0.004	0.003	0.008	0.003	0.000	0.003	0.003	инглин.	head loss	CONTACTOR OF	
		124.150		124,150	130,500	-						1	0,000	3,500			37,450		124,150	124,150		130.500			44 850	44 550	M87.	Frictional Elevation head loss height	CONTRACTOR SO	
		2.943		0.798	0.837							2000	0.000	600.0			560'0		0.030	0.447		0.770		2000	0.417	0.447	Mtr.	Loss in Riser	DATE STATE OF THE PARTY OF	
1,575	0.423	3,147	0.148	1,083	1,435			0.752	1,429	0.054	1,097	0.116	1,341	016	0.175	1,262	0,189	0.005	0.046	0.581	2550	1.013	0.097	0.028	0.544	10204	SAF	Total Frip losse		
4.72	1,55	2/6	1,24	1.09	1,44			4,82	4,07	2.64	2.55	1,45	134	0.14	0.36	1,41	0.18	0.05	0.05	0.59	0.38	101	200	0.27	0.32	3.55	Cumm	Yotal Erictional head losses in Mr.	STREET, STREET	
												F	on	V	ati	k	1	50	ve	ore	iq	1	FILE	10	-	The same		Barrarka d.		

TOWER ABO

59 mm 65 mm 100 mm

390 Mbr. 439 Mbr. 439 Mbr. 130 Mbr.

CET SELO und ufunkaj appropri

\$10.0 TE-

-	WORK lead (	( No. 1		Water sup	oly and distribution (Flo	WATER SUPPLY ushing/lrr. System)
S No.		ription				Amount
1			inting and testing ost.complete in all	GI pressure pipe line respects.	es conforming to	
a)	50	mm OD	331 Mtr @	Rs. 450 6 00/	_ Flu.	Rs148,725
b)	63	mm OD	170 Mr @	Rs. 550- 69 V	Flu.	Rs. 93,500
c)	75	r/m OD	138 Mir @	Rs. 650 850	Flu.	Rs. 89,700
d)	90	mm OD	47 Mtr @	Rs. 650 / 5 = p '	Flu.	Rs. 39,950
2			inting and testing lete in all respects	HDPE pressure pipe s.	lines conforming	
a)	32	mm OD	210 Mtr @	Rs. 450	lrr.	Rs. 94,500
b)	40	mm OD	116 Mtr @	Rs. 560	Irr.	Rs. 64,960
c)	50	mm OD	85 Mtr @	Rs. 650	Irr.	Rs. 55,250
d)	63	mm OD	75 Mlr @	Rs. 800	Irr.	Rs. 60,000
e)	90	mm OD	110 Mtr @	Rs. 1,080	ler.	Rs. 118,800
ŋ	110	mm OD	300 Mtr @	Rs. 1,200	lrr.	Rs. 360,000
			sluice valve inclu plete in all respect		boxes and masonry	
a)	40	mm	10 Each @	Rs. 2,500		Rs. 25,000
b)	50	mm	3 Each @	Rs. 3,200		Rs. 9,600
c)	65	mm	-	Rs. 4,000		Rs. 4,000
c)	80	mm	1/Each @	Rs. 4,000		Rs. 4,000
4	Provid	ling and fixing	Garden Hydrant (	Chamber including v	aive	
	55	Nos. @ F	Rs. 4,500 each -	1		Rs. 247,500.00
5	Provid	ling and fixing	air release valve			
	2	Nos. @ F	Rs. 5,000 each			Rs. 10,000.00
6	Provis	ion for carriag	e of materials and	d other unforeseen it	ems	Rs. 25,000@g
			TOTAL CO to S	SUB WORK - 1		1783810 Rs. 1,450,485/00

		0	l'	1	-	1	9	1	20	ush	Ц	1	10	× 6	n i	6	G	10	E	6	1D	G1	1	10	1	4	14	N	1		- 1	0	Š	22
		C	G2	9	20	0 0	1	1	S No Line No	Flushing Water supply calcutation		-	-	1	73	17.	H	n	31	n	P		0 0	25	a	02	83	93	h	From	-		APP - NA	000
		STP	C	C	10	0	a	7.		in suppl	TOWER	415	9-	-	- 2	HS	13	I	0	G	п	n	1	95	0	8	82	82	8	To	become?	li	1,7,2,6,	000
		38	78	100	12	20	14	Mit	Length	y calcut	TOWER- A.B.C	20	2 4	1	6	di	G	8	30	41	40	23 1	2 0	30	32	27	20	38	8	Mile	9	1	LA.K.M	1000
		N. P.	55.55	100		GE	88	SMB		adon		-	60	3	-	77	23	100 Billion 8	21	180	23	100	3	25			23	21	22		- Collo	STREET	OWER- U.R.F.E.G.L.J.X.M.EWS.Retail & Club	TURA N
		1000		8 000				Others	Total person	は明明社の		1						100	1000							1	1000			Others	9	SAN BELLEVIEW	8 Club	
(See	,	0	0	350	0	345	340		0	Contract of the		0	100	0	0	355	115	0	105	0	115	300	0	106	0	0	115	18	105	Main	oral person	MARKET		1
Paterial		0	0	35	0	34.5	34	10%		STEP STATE		.0	10	0	0	35.5	11.5	0	10.5	0	115	5	0	10.5	0	0	51.5	10.5	10,5	Visitors	3	Suppose S		
Sheet for I		0	0	60900	0	60000	59160	CPD	Daily	Spinosoppies of the last of th		0	17400	0	0	61770	20010	0	18270	0	01000	17900	0	18270	0	0	20010	18270	18270	UP0	Daily water @172.6 itr/Pers	STANSON S		
Material Sheet for Domestic								LPO	Others	National Property of the Party		1				1000			S							A 100 18				Den Oan	Others Facilities water consump tion	PERMITTE		
4 54 63 4		0	0	20097	0	19810	19523	Self	Total	2000000		0	5742	0	0	20384	6603	0	8029	0	Sana	27.62	0	9029	0	0	6603	6029	6029	Self	Total I Demand of	Flushi	A STATE OF	and other
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		59430	0	20097	38333	19809.9	18622.8	Cumm				75794.4	5742	70052	78987.4	20384.1	- 6603.3	43085	6029.1	37038	CCM0C	5//42	24691	0029	18662	12632	6803.3	6029.1	6029.1	Cumm	Total Flushing Demand (LPD) (33% of Total)	ng/Water st		A DOLL STORY OF P.
		000	0	56	100	- 55	54	LPM		No.		158	12	146	8	42	4	90	3	77	00	12	51	13	38	26	14	13	13	LPM		apply exten	The colon	AA GUILLIANS
A 43 73 23	40.00	43.75	97.5	87.5	33,75	25	90	Mb.	Eff. Lanoth	COUNTY OF THE PARTY OF		35	17.5	23,75	18.75	7.5	18.75	10	37.5	51 25	67.75	28.25	42.5	43.75	45	33.75	32.5	46,875	43.75	Mtr.	Total Flushing Eff. Length (1.25%) of Total)	lation		Aidding Joseph Business of the programme unissam
331 Mtr. 170 Mtr. 138 Mtr.		2	000	8	8	45	45	mm	Dia	and the same		90	40	80	- 65	50	65	8	40	2 4	5	46	65	40	50	8	8	4	8	7	propo sed	1000000		
	1,000	4 554.5	0.000	0.588	1.112	0,875	0.863	m/Sec	Velocity	ON OTHER DESIGNATION OF THE PERSON OF THE PE		0.828	0.190	0.580	0.339	0.432	0.083	0.540	0200	0.000	0.382	0,190	0.310	0.200	0.396	0.268	0.219	0.200	0.200	miSec	Velocity	West Wood		
Valves 10	00070	0.075	0000	0.011	0.030	0.032	0.031	Mar Jahr.	Editional			0.008	0.002	0,007	0.003	0.007	0000	0.007	0,000	2000	0.004	0.002	0.003	0.002	0,006	0.003	0.002	0.002	0.000	Mtr/Mtr.	Frictional head less	SHEET SHEET IN		
	0.000	0.000	0000	0.000	0.000	0.000	0.000	Mir.	613	Name and Address of the Owner, where the Owner, which is the Ow	Sec. 12	0.000	0,000	0,000	0,000	0000	0000	0000	2000	0,000	3,500	20,250	44,650	44.650	44.650	44.650	44.650	44.650	44.850	Mtr.	height.	ALC: NO.		
	0.000	0.000	0000	0000	0000	0,000	0,000	71 PR	200		1000000	0.000	0.000	0.000	0,000	0.000	0,000	0000	0000	0.000	0.014	0.039	0.118	0.093	0.255	0.124	0.150	0.093	0.093	Mir.	Loss in Riser	United the last		
	1820	0,000	0.000	4.007	1,304	0.804	2.818	Self	- 60			0.271	0.033	0.150	0.059	0.050	0.000	0.070	0.230	0.143	0.137	0.089	0.233	0.184	0.485	0.217	0.191	0.191	0.194	881	-	1		
	0.00	2000	200	1 25	12.0	0.50	2.82	Curren	T-STEELS ST			0.27	0,03	0.18	0.06	0.05	0.00	0.00	20.00	27.0	0.14	0.09	0.72	0.50	0.48	047	0.19	010	049	Cumm.	Total Frictional head losses in Mtr.			
								nemarka	0								Fo	H 1	Va	tik,	H 5	Sou	ret	eig	in N	PI	ark	P	vt	Ltd	2aments			

645.20

SUB WORK No. 2

SEWERAGE SCHEME

S No.	Description	Amount
1	Providing , jointing , cutting and testing SW pipe and lowering into trenches including	
a)	D. D. O. OD. CII A Class (Byo Dass Line)	Rs. 0
b)	COR A LOD C PIM Disc	Rs. 977,900
c)	SW Ding	Rs. 28,000
	Provision for carriage of material (L.S)	Rs. 100,000
	Provision for making connection with HUDA sewer	Rs. 100,000
4	Provision for cutting of roads & making good to its original condition (L.S.)	Rs. 10,0000
	Provision for lighting and watering (L.S.)	Rs. 10,000
_	Providing STP of 350 KLD Rs. 8,000 per KLD	Rs. 2,800,000
0	TOTAL CO to FINAL ABSTRACT OF COST	Rs. 4,025,900

S No.	Description	Amount
1	Providing, laying, RCC pipe class NP-2 manholes etc. complete in all respects	
a)	400 mm dia 758 Mfr. @ Rs. 2,800	Rs. 2,121,000
b)	2.0	Rs. (
	Provision for lighting and watching	Rs. 50,000
	Provision for road gullies & connecting pipe L.S.	Rs. 500,000
	Provision for rainwater harvesting arrangements	
	Rs. 200,000.00 per set Soak Pit with desilting chamber (Size 4 10 Nos. M Dia x 3 M DIA X 3.5 M Deep)	Rs. 2,000,000
5	Provision for timbering & shoring (L.S.)	Rs. 150,000
6	Provision for watering and timbering drains & other unforeseen charges	Rs. 150,000
	Provision for making connection with HUDA Mains.	Rs. 500,000
-	TOTAL CO to FINAL ABSTRACT OF COST	Rs. 5,071,000

For Vatika Sovereign Park Pvt. Ltd.

Sept.   Sept	
Sept.   Sept	
	10   10   10   10   10   10   10   10
	10   10   10   10   10   10   10   10
Character   Char	Column
Columbia	1
Columbia	
Columbia	10
Column	
Column	Company of Company   Com
	10
	10
# District Count   Call   Call	
Column   C	
	Folia   Broad Land   Constituted   Constit
	10
Mart	1   1   1   1   1   1   1   1   1   1
Mart	1   1   1   1   1   1   1   1   1   1
4 Sections 4 Sections 4 Sections 4 Sections 4 Sections 4 Section 4	100 0000 0000 0000 0000 0000 0000 0000
# # # # # # # # # # # # # # # # # # #	
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

		Material	Statement for S	Sewerage so	cheme	
S No.	From	To	Length	Dia		
1	1	2	95	200		
2	2	3	55 /	200		
3	3	4	145	200		
4	4A	4C	42	200		
5	48	4C	45 /	200		
6	4C	4	23	200		
7	4	8	131	200		
8	5	6	132	200		
9	6	7	117	200		
10	7	8	104	200		
11	8	STP	20	250	13651	
		7 134	200 Die Bine	990	Mtr.	
-			200 Dia Pipe 250 Dia Pipe		Mtr.	
			200 Dia Filpa	20	mu.	
			STP	350	KL	
	STP BY	EPASS 150 c	ia CILA Pipe		Mtr.	

THE PROPERTY OF THE PARTY OF TH	The same of	THE PERSON IN		Charles	1				ngeou	Design Statement for Drainage achema	or Drainege	dehens.											
5 No Line Roff (	(dpre)	Arms	-8				THE REAL PROPERTY.	8	THE PARTY OF	Drainege	podelucie		STATE OF THE PERSON		ではない	TO THE	SUSPERIOR		MARKET	STORE LIN	PERSONAL	No. of Lines	
			Green	and a	A SE	Area in ages		Rain tatt Hismally in Miles	Discharge Self	Discharge	10 + 0/4	\$1001	Asiach	Velocity Discharge	Chuck for camping	7	Start C	End I	7 7	S Des	Start Charles	4.9	South
Piget as	All.				Sem	844	late.	0.25 mm/hr	99	199		1	declarat		580.		L	L		-	-	ŀ	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	25	450	87	1800	1987	0	0.401	2000	222	252	250	-	10000	The same		100		4	4-	+	-	-	
2 BWH-1	0.0	175	282	899	1708	-	0.912	0.001	198	1/47	100	MA	-	1000	200	00000	1	+	+6	f	ŧ	150	
15	17	9	202	500	1500	-	1283	0.000	96.0	441	100	100	0 14.0	10.05	98	0,023	88.0	88.0	1.27	123	195 182	2	
S. SMHS	80	390	900	1500	2790	0.680	570	0.002	1 60	100	100	VIII	0.00	70.08	OK	9,032	0.56	+	+	F	+	-	100
BWH 2	36	282	330	400	-	0245	7.717	1000	200	1	200	100	6/10	20.07	OX	0.081	+	0.58	-1.22		-	t	-
PHAR .	20	200	pi :	ž.	88	-	2440	1000	1	100	100	800	0.70	90.87	08	0.237	0.58	+	٠	t	101	-	1
ENHAG #	200		200	000	+	+	0000	2000	0.80	1000	400	300	0.76	10,07	L	0.004	-	H	-			-	9
8	3	120	100	100	+	100	1000	1000	6/8	250	400	370	0.75	20.07	L	0.068	0.40	0.45	-	H			10
6	T KA	0	120	164	1	5	2000	0.000	Uau	197	400	230	0.76	33.87	1	0.062	H	-	-	1 88		-	0
PHWS S	m	0	130	700	200	-4	3070	TO STATE OF THE PARTY OF THE PA	1000	0.00	400	270	076	29.87	000	0.040	0.45	282	0.75		120 140	ı	1
-					-	2000	Action	1,000	100	210	400	900	0.75	53.87	DK.	0.022	+	H	٠				1
The state of the s	17	200	1000	1900	3000 ×	0.745	6.746	0.202	17230	335	450	9	246	20048	1000	2		1	+	1	+		ei
SHAM	24	100	970	1809	-	15	1,451	0,002	237	4.55	400	Ores.	275	25.27	2	2000	200	200	- Sunday		1	t	1
8	100	280	930	2000	+	1000	2.454	0.004	231	8.49	400	370	57.0	13.67	QX	970.0	+	-		1880	1 1	1	1
Section of the last	1		720	250	+	ŀ	1867	1004	2.81	252	430	370	6.75	93.69	92	0.749	200	-	-	1	107	1	
2000			950	200	750	+	1858	0,000	0,40	2.52	450	370	0.75	23,47	QK.	0.700		4	-	1	1	1	K
	1 10	160	785	2500	F		1961	0.028	3,16	2.47	430	370	0.75	93.87	OK.	0.105		-	-	- 1	+	1	SU
1000	-	4	386	222	1000	0.256	0.255	2000	0.73	0.77	1000	275	2.0	43.65	OX.	0.007	95.0	680	-	H	125 130		V
8 1 2	2	100	200	-	1	9									1		STORY OF		-			i	Ol
2 10044	8	-	200	The same	1000	-2	0.575	202	215	2.35	400	377	200	23.67	OK.	6 527	100	020	-0.03	ě			
Î			-	4	+	3,170	100	0.007	0.54	2.83	400	270	0.76	93.87	-	0.070	980	-	100	4.82	191 161	0	
12	2	280	790	1000	2860	ALA S	0.7%	0.003	2.58	989	No constitution of	100		0.000	-	-	+	+	+		1	1	
24 2 RMH9	2	385	360	-		-	1990	0.000	200	200	200	200	1	NA.	-	-1:	200	100	+	1	120 120	1	
24 RANG	71	0	8	톸	2344	=	0.80	2000	949	100	100	010		10.01	4	0.724	+	+	080	522	H	0	
			-	-	4	-4		-	414	100 St. 100 St.	100	and a	0.00	48.65	30		- 0.58	0.08	100	憎	1.20		2 1
27 11 12 200	25	0	700	1796	2545	0.620	0820	0.000	ST SPS III	-	-				4	+	+	-	+	+	-		
TE RWH-45	28	100	90	-	-4	-	1	0.000	-	4.00	100	200	0.75	83.87	E	0.184	损	245	-0.75	683	130 13	2	
				-	-	10%	AVA.V	2000	1.54	3.57	400	300	0.78	23.57	)X	0.075	0.43	+	-098	-	131 146	-	
		L										1					-	1	-	-	1	1	
Manual and suppression for Charles	Server						1			Plac dia	400	950					-	+	+	+	1	1	
				Total 8	Total Boals Ptt	12 100				l anoth	410				1						-		

1

Wether Street was Part 1946 22

	Sub -Work No.IV			Roads and Foot	paths
Statement fo					
Sl.No.	Road No.	Road width (m)	Length (m)	Area (Sqm)	
1	1-2	6	9.120	54.720	
2	2~3	6	2.834	17.004	
3	3~4	6	82.110	492.660	
5	4-5	6	5.320	31.920	
6	5~6	6	161.125	966.750	
7	6-7	6	19.760	118.560	
8	7-8	6	270.500	1623,000	
9	8~9	6	234.350	1406.100	
10	9~- 10	6	15.250 -	91.500	
11	9-3	17.75	26.365	467.979	
12	3~12	6	36.420	218.520	
13	1.2-11	6	221.100 ~	1326.600	
14	12-4	6	57.950	347.700	
15	11~8	6	17.520	105.120	
16	11 ~ 13	6	23.290 /	139.740	
17	13 ~ 14	6	21.850	131.100	
18	13 ~ 5	6	59.000	354.000	
19	14-6	6	98.115	588.690	
20	14~7	6	169.785	1018.710	
21	15~15	6	136.345	818.070	
			1	-	
	Total		1668.109	10318.443	
			1668	10318	
l'otal area u	nder all Roads				1031
Add 5% for 0		-			51
	quired for Roads				1083
	arking on surface				4
	d for Car parking ((5x2.5=12	5)			57
	quired for Roads & Car Park				1140
	erb = 1668x 2 + 10% for appro				367
SL.NO	Description	Unit	Qty	Rate	Amount
1	Provision for leveling an	d earth filling as Per si	te condition,		
a)	Block	Acre	10.43125	100000	1,043,125.00
2	The necessary provision has beeb made in the est the follwing specification	imate according to the	ds parking etc HUDA norms	3	

Jan 2017

(I)	Constriction of roads by providing as per MORT & H specifications grading -II 400.1			
(II)	Providing, laying, spreading broken/crushed stone aggregate to physical requirement laid in 400 of 1 in two layers (Compacting to 250m material 1:32 times of the (thickness premixing of material with water in	MORT & H specification n m (125+125mm) by taking ss of the layer) including		
(III)	50mm thick B.M			+
(IV)	20mm thick mix seal surfacing		1000/	11409000
(a)	Sqm	11409	-850-/	-9,697,650.00
3	Provision for kerbs and channels		D.W	21278170 -
(a)	Metre	3670	-600-	-2,201,760.00
4	Provision for making approach and	pavement to building.	LS	500,000.00
5	Provision for carriage of materials &		LS	50,000.00
	TOTAL		1000	, 13,492,535,00
	SAY IN LAKHS			1399 134.93
				161.40 Can

Authorized Signatory

d

	Sub -Work No.V		S	treet Lighting	
SL.NO	Description	Unit	Qty	Rate	Amount
1	Providing Street lighting specification of HVPN.	ng on roads as p	per standard	125000/	22,4063
(a)	Acre		17.7285	-100000	1;772;850.00
	TOTAL	له والمعال وما على مر		1391	1.972,850.00
	SAY IN LAKHS				-17:73 DL 11 C

-	Sub -Work No.VI		Plantatio	on and road sie	de trees
SL.NO	Description	Unit	Qty	Rate	Amount
1	Development of lawn areas			150000/	1564688-
(i)	Acres		10.43125	-100000 (	1,043,125.0
(a)	Trenching the ordinary soil up removal and stacking serviceable by spreading and leveling within up the trenches area to proper mixed with manure before and water including cost of imported	e material and n a lead of 50n leads by fillir after flooding	disposing of and making og with earth trench with	-2011	
(b)	Rough dressing of turfed area	CIII CII GIRCI CIRCI			
(c)	Grassing with "Doob Grass" maintenance of lawns for 30 day lawn, free from weeds and fit for in either direction including prov wire fencing around park 3,00 Ac	s till the grass moving in row rision for hedge	forms a thick s 7.5 m Apart as and barbed		
2	Providing tress, guards and plant internals for 6.0m wide road  Total road length = 1668M No of Tress = 1668/12  Say = 139  Cost Analysis of Planting Trees  Excavation = 30.00 40 - 65  Manure = 60.00 60 - 65  Tree plants = 60.00 855 - 65  Tree guards = -750.00 855 - 65  Rs. 900 per tree	= 139 nos.	road at 6.0 m		
(a)	Each		139	900/	-125,100.00
	TOTAL			1	CHAMIN.
	SAY IN LAKHS				MINTER.

	Sub -Work No. VII		MTC, Charg	ges & Resurfac	ing of Roads
SL.NO	Description	Unit	Qty	Rate	Amount
1	Provision for MTC charges water drainage, roads, stre in all respect.	for water supply et light and horti	, sewerage storm culture complete		L
(a)	Acres		10.43125	500000.00	5,215,625.00
2	Resurfacing of roads after Is thick premier carpet.	st 5 Yrs, 50mm thi	ick B.M & 25 mm	The second second	6274950
(a)	Sqm		11409	350.00	3,993,150.00
3	Provision for resurfacing o 25mm thick premier carpet.				8554758
(a)	Sqm		11409	600.00	6,845,400.00
1.1					20047325
	TOTAL				16,054,175.00
	SAY IN LAKHS		200.50		

