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PURCHASE ORDER/WORK ORDER

To

07-12-2020

Mr. Ram Ni vas Singh  
Sudhit Enviro Solutions Pvt Ltd  
Branch Add:- Khasra No. 738,  
Duhai Industrial Area,  
Ghaziabad, Uttar Pradesh 201206.  
Contact No: 7210128699  
E-mail: Info@ sudhitenviro.com

Kind Attention Mr. Ram Niwas Singh

Sub: Installation, Operation, Maintenance & Civil work of Modular Rain Water  
Harvesting with Ground Water Recharge.

Dear Sir,

This is with reference to your letter ref: NIL dated 30-07-2020 on the above mentioned subject. We are hereby placing the order towards Installation, Operation & Maintenance of Modular Technique of 25 cum, 2 pits & 2 Bore wells for Dental College and 40 cum 2 pits & 2 Bore wells for University block, with a scope of expansion provided in future. You are hereby requested to Install, Operate & Maintain the modular rain water harvesting with ground water recharge system at our University premises as per your scope of work given by you including civil work. The details & specifications are as follows.

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3/5/2024



## Rain Water Harvesting System

### Summary of 40.47 Cum Pit Medical College

Description of Work	Rate for one pit	Qty of pits	Total
Development of Borewell with Material	65665.17	2	131330.33
Civil Work Including, Excavation, Disposal Dressing of Pit, Backfilling, Base Preparation, Distling Chamber and Drain Including Material	239731.19	2	479462.38
Module, Geotextile, Filter with Installation	314410.00	2	628820.00
<b>Total</b>	<b>619806.36</b>		<b>1239612.71</b>
<u>Tax@18%</u>			223130.29
<b>Total (Medical College)</b>			<b>1462743.00</b>

## Rain Water Harvesting System

### Summary of 25.75 Cum Pit Dental College

S.No.	Description of Work	Rate for one pit	Qty of pits	Total
1	Development of Borewell with Material	65665.17	2	131330.33
2	Civil Work Including, Excavation, Disposal Dressing of Pit, Backfilling, Base Preparation, Distling Chamber and Drain Including Material	204707.13	2	409414.26
3	Module, Geotextile, Filter with Installation	214385.00	2	428770.00
	<b>Total</b>	<b>484757.3</b>		<b>969514.59</b>
	<u>Tax@18%</u>			174512.63
	<b>Total (Dental College)</b>			<b>1144027.22</b>

<b>Total (Medical College)</b>	1462743.00
<b>Total (Dental College)</b>	1144027.22
<b>Grand Total</b>	<b>2606770.22</b>

Note: In the earlier Quotation the Amount was 2465583 Rs including gst (18%).  
 The amount Difference is 141,187 Rs. This Difference is because the Downage pipeline which was 20 RMT, now increased to 30 Rmt. so the amount is increased to 2606770.22 Rs

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<b>Total (Medical College)</b>	<b>1462743.00</b>
<b>Total (Dental College)</b>	<b>1144027.22</b>
<b>Grand Total</b>	<b>2606770.22</b>

3/5/2024



**BOQ for Modular Rain Water Harvesting System for Medical College**

Calculation of One Rain Water Harvesting Pit as Area Given by Client-40Cum.

The Actual Tank Capacity is 40.47Cum. (L-6.85 M, W-4.51 M, H-1.31 M)

o.	Material	Unit	QTY	Rate/Unit	Amount
	Drilling of Recharge wells: The Recharge well will be 10" diameter with depth of 50 Mtr. (Total No. of Recharge well- 1 No.).	Mtr.	50.00	580.00	29000.00
2	Injection well insertion pipes: 6" diameter having a load capacity of 6Kg/ sq.cm. (Make Supreme/ Prince or equivalent)	Mtr.	16.67	570.00	9500.00
3	Injection well insertion slotted pipes 6" for clog resistant of rain water and reducing possibility of carrying solid. (Make Supreme/ Prince or equivalent)	Mtr.	33.33	575.00	19166.67
4	Solvent & Screws, Clamps, Bell Plug, End Caps and Bentonite for development of recharge well.	Lot	1.00	2500.00	2500.00
5	Gravel filling for packing of empty space in the bore for stability to the inserted pipes	Cum	1.57	3500.00	5498.50
6	Earth work excavation with JCB/ excavators in all type of soil	Cum	130.00	230.00	29900.00
7	Dressing of pits excavated in step for installation purpose inside and Compaction	Cum	40.47	215.00	8701.05
8	Material for preparation of Pity base (gavel stone/ stone chips and river stand)	Cum	17.30	2850.00	49308.99
9	Backfilling of Excavated soil with levelling	Cum	89.53	150.00	13429.50
10	Disposal of Soil up to 0.5 KM from the site	Cum	40.47	195.00	7891.65
11	Disilting Chamber 1M*1M*1M	Nos	1.00	25500.00	25500.00
12	Draining for Channelizing of Rain Water to Pit	Rmt	30.00	3500.00	10500.00
13	Supply of long fiber Geotextile of weight 400gsm/ sqm, type tested as per relevant international standards for tears, tensile strength, elongation %, puncture and percolation parameters, to act as a filter medium, overlapping at joints and welding with extrusion welder etc. complete as per approved design.	Sqm	122.00	95.00	11590.00
14	Providing in position LifeRain recycled co-polymer modulkar Rain water Harvesting structure with required number of large plate (685*410 mm, weight not less than 850 Gram) and small plate (430*410mm, weight not less than 535 Gram) with +-1% so as to ensure 96% void volume ratio fixed in arrangements as per specified pattern/ design. Four Plate (Small) configurations. Material used is 100% recycled co-polymer. design of the modules (Large and small plates) is based on water molecule structure.	Cum	40.47	6000.00	242820.00
15	Supply of FRP filters de-silting suspended solid character and strainers including bucket of SS 304 grade with long fiber foam. filtration capacity 80 kiloliters per hour, (750MM Dia).	No.	1.00	25500.00	25500.00
16	Assembling & Installation of Modular Rain Water Harvesting Structure With Wrapping of Geotextile outside the Modular tank and Connections of Filters.	Job	1.00	34500.00	34500.00
<b>Total Amount of One PIT</b>					<b>6,19,806.36</b>
<b>Total Amount of Two PIT</b>					<b>1239612.71</b>
<b>Grand Total</b>					<b>1239612.71</b>

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## BOQ for Modular Rain Water Harvesting System for Dental College

Calculation of One Rain Water Harvesting Pit as Area Given by Client-25Cum.  
The Actual Tank Capacity is 25.75Cum. (L-4.80 M, W-4.10 M, H-1.31 M)

S.No.	Material	Unit	QTY	Rate/Unit	Amount
1	Drilling of Recharge wells: The Recharge well will be 10" diameter with depth of 50 Mtr. (Total No. of Recharge well- 1 No.).	Mtr.	50	580	29000.00
2	Injection well insertion pipes: 6" diameter having a load capacity of 6Kg/ sq.cm. (Make Supreme/ Prince or equivalent)	Mtr.	16.7	570	9500.00
3	Injection well insertion slotted pipes 6" for clog resistant of rain water and reducing possibility of carrying solid. (Make Supreme/ Prince or equivalent)	Mtr.	33.3	575	19166.67
4	Solvent & Screws, Clamps, Bell Plug, End Caps and Bentonite for development of recharge well.	Lot	1	2500	2500.00
5	Gravel filling for packing of empty space in the bore for stability to the inserted pipes	Cum	1.57	3500	5498.50
6	Earth work excavation with JCB/ excavators in all type of soil	Cum	89	230	20470.00
7	Dressing of pits excavated in step for installation purpose inside and Compaction	Cum	25.8	215	5536.25
8	Material for preparation of Pity base (gavel stone/ stone chips and river sand)	Cum	11.8	2850	33692.13
9	Backfilling of Excavated soil with levelling	Cum	63.3	150	9487.50
10	Disposal of Soil up to 0.5 KM from the site	Cum	25.8	195	5021.25
11	Disilting Chamber 1M*1M*1M	Nos	1	25500	25500.00
12	Draining for Channelizing of Rain Water to Pit	Rmt	30	3500	10500.00
13	Supply of long fiber Geotextile of weight 400gsm/ sqm, type tested as per relevant international standards for tears, tensile strength, elongation %, puncture and percolation parameters, to act as a filter medium, overlapping at joints and welding with extrusion welder etc. complete as per approved design	Sqm	83	95	7885.00
14	Providing in position LifeRain recycled co-polymer modular Rain water Harvesting structure with required number of large plate (685*410 mm, weight not less than 850 Gram) and small plate (430*410mm, weight not less than 535 Gram) with +1% so as to ensure 96% void volume ratio fixed in arrangements as per specified pattern/ design. Four Plate (Small) configurations. Material used is 100% recycled co-polymer. design of the modules (Large and small plates) is based on water molecule structure	Cum	25.8	6000	154500.00
15	Supply of FRP filters de-silting suspended solid character and strainers including bucket of SS 304 grade with long fiber foam, filtration capacity 80 kiloliters per hour. (750MM Dia)	No.	1	25500	25500.00
16	Assembling & Installation of Modular Rain Water Harvesting Structure With Wrapping of Geotextile outside the Modular tank and Connections of Filters	Job	1	26500	26500.00
<b>Total Amount of One PIT</b>					<b>4,84,757.30</b>
<b>Total Amount of Two PIT</b>					<b>969514.59</b>
<b>Grand Total</b>					<b>969514.59</b>

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3/5/2024



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