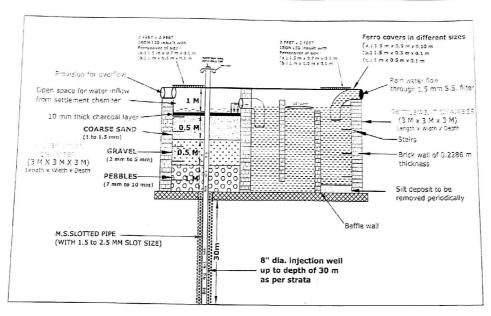
Project: Group Housing Project, Shahjahanpur Promoted by: Neemrana Estate Pvt, Ltd.

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Section – III: Anticipated sources of pollution and suggestive control measures



## TOTAL ANNUAL RAIN WATER RECHARGE THROUGH RAINWATER HARVESTING:

S. No	Type of Structure/ Surface	Area [A] (sq. m.)	Run off Coefficient [C]	Intensity of rainfall [l] (m/annum)	Total discharge [Q = CIA] (m³/annum)
1.	Building foot print area	4507.55	0.90	0.724	2937.12
₹2.	Plantation/Landscape Area	2593.87	0.30	0.724	563.39
3.	Parking Area	5221	0.75	0.724	2835
4.	Driveway and Paved area	646.94	0.75	0.724	351.29
	Grand Total (1-4)	12969.36			6686.8 m³/annum.

Total Annual Recharge to Ground Water Regime of the area through rainwater harvesting structure would be **6,690** m³/annum.

## **B. IMPACT & MANAGEMENT PLAN:**

SOURCES	MANAGEMENT				
Impact on ground	Daily water demand reduced to daily fresh-water demand of 105				
water: Daily water	KLD (38,325 m³/annum) after implementation of effective				
demand: 172 KLD	Environment Management Plan which will be met from Ground				
	Water (Bore-well) supply.				
	• The maximum annual recharge will be to the tune of 6,690 cu. m.				
	to minimize impacts on water-table.				

For Neemrahar Estate Pvt. Ltd.

Director

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