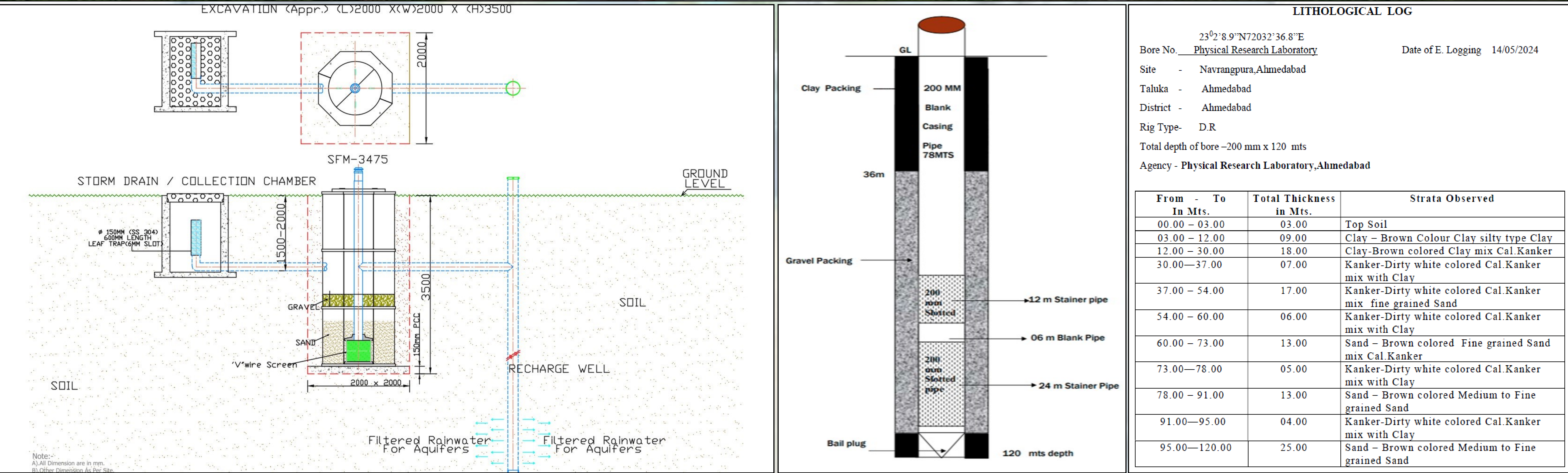


Save Water, Save Earth: Rainwater Harvesting System



Harness the Power of Rain!

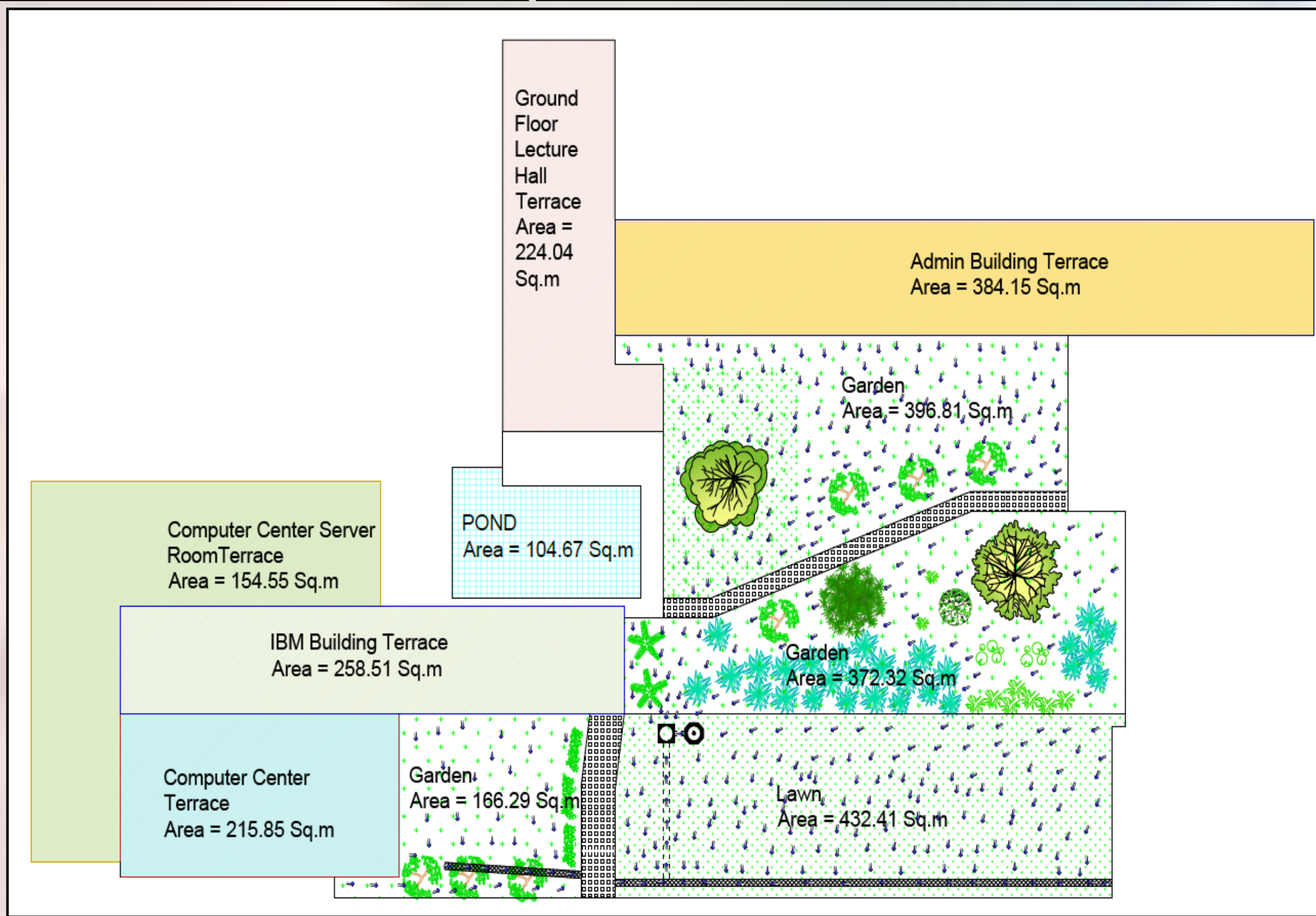
Rainwater harvesting is the collection and storage of rainwater, which will eventually help to recharge groundwater and increase the level of the water table. It's a sustainable practice that helps reduce water wastage and conserves our precious water resources. Rainwater harvesting is an effective and sustainable solution to address contemporary water challenges. By leveraging this technique, individuals and communities can contribute to water conservation, environmental protection and economic efficiency. As global water issues intensify, adopting rainwater harvesting systems becomes increasingly important for promoting resilience and sustainability.



ELECTRO – LOGGING RESULTS

Bore No. <u>23°2'8.9"N72032'36.8"E</u>	Date of E. Logging 14/05/2024	
Site <u>Physical Research Laboratory</u>	Drilling Mud	
Taluka <u>Navrangpura,Ahmedabad</u>	Temperature 60 ⁰ F	
District <u>Ahmedabad</u>	Resistivity 3.90 ohm/m	
	T.D.S. In P.P.M. 1100	
Rig Type <u>D.R.</u>	Drilling Water	
Total depth of bore _ <u>120.00</u> mts.	Temperature 60 ⁰ F	
Depth of E. Logging _ <u>120.00</u> mts.	Resistivity 3.90 ohm/m	
Diameter of _____	T.D.S. In P.P.M. 1100	
Pilot Bore Hole <u>10</u> inches	SP. Scale 2/5 M V/cm	
<u>250</u> m.m.	Resistivity Scale 2/5 Ohm m/cm.	
Reference : Physical Research Laboratory,Ahmedabad		

Zone inferred by Elec. Logging in mts. From To	Dev. Of Sp. In mv. 2	Rmf. R(w)e 3	(Rw)e in Chm. Mt. 4	Expected T.D.S. of formation water (P.P.M.) 5	Production Tube well Result 6
37 -- 54 (mix-weak)	- 03	1.10	3.54	1200	S. W. L. 54 mts
60 – 73	-05	1.17	3.33	1300	
78—91	-02	1.06	3.67	1175	
95--120	-01	1.02	3.82	1125	



Average and Extremes of rainfall over Ahmedabad (2010 to 2019)					
Ref. :-Report dated 01.01.2022 on Climate of Ahmedabad by Meterological Centre, Ahmedabad					
Month	Monthly average	Highest in 24-hours(mm) Highest	Date and year	Highest in a month(mm) Rainfall	Year
January	1.49	6.9	22 Jan 2015	7.6	2015
February	0.02	0.2	16 Feb 2016	0.2	2016
March	3.07	19.2	1 March 2015	26.3	2015
April	4.59	21.6	13 April 2015	22.1	2015
May	1.03	6.7	14 May 2015	6.7	2015
June	59.01	130.4	25 June 2015	135.5	2015
July	338.93	288.1	30 July 2014	607.9	2014
August	215.91	237.4	8 Aug 2010	534.3	2010
September	145.96	80.8	25 Sep 2013	343.3	2019
October	21.98	36.9	9 Oct 2016	99.4	2016
November	3.6	12.8	23 Nov 2010	31.1	2010
December	1.37	11	6 Dec 2017	12	2017

Catchment Area=2700 sqm || Module Filtration Capacity = 25,000 litres/hour || Groundwater recharge rate achieved at site=9375 litres/hour