



# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

Mob. : 9761163000, 9794625420, Email : gwsc\_agra@yahoo.com

Date 12-06-2023

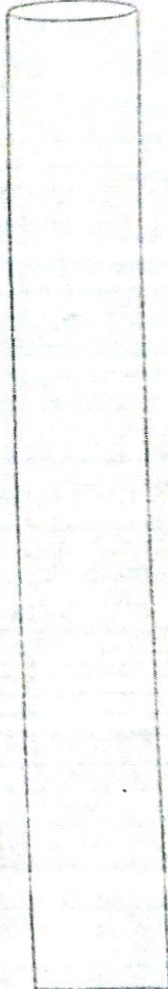
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## GEOPHYSICAL ELECTRICAL WELL LOGGING FIELD REPORT

### DETAIL OF WATER BEARING ZONES

Name Of Agency..... Vishwanath Environment Ltd...... Bahaji, Banawali  
 Village..... Dawalpur..... Block..... Purampur  
 District..... Etahit..... Logging Depth..... 146 mtr.  
 Drilling Depth..... 150 mtr...... Water Level..... 3 mtr.

S.No	Depth in Mtr.	Lithology	Expected Water Quality
1	0 - 5	Surface Soil	
2	5 - 11	clay KanKar	
3	11 - 36	Fine med. Sand	Good
4	36 - 50	clay KanKar	
5	50 - 75*	medium Sand	Good
6	75 - 80	clay KanKar	
7	80 - 85*	Fine to med. Sand	Good
8	85 - 88	clay KanKar	
9	88 - 98*	medium Sand	Good
10	98 - 106	clay KanKar	
11	106 - 113*	Fine to med. Sand	Good
12	113 - 120	clay KanKar	
13	120 - 135*	medium Sand	Good
14	135 - 146	clay KanKar	
15			
16			
17			
18			
19			
20			
21			
22			
23			



\* Expected Water Bearing Zone

For Ground Water Survey Consultancy

*UKR*  
 Geophysicist

### Specializations In

Electric Well Logging, Geophysical Survey, Resistivity Survey, Rainwater Harvesting, Construction of Recharge Well, Rectification of Tubewells, Ground Water Investigations.

Design of a well for a 1000 m<sup>3</sup> capacity. The well is to be dug in a sandy soil. The diameter of the well is 1.5 m. The depth of the well is 12 m. The well is to be dug in a sandy soil. The diameter of the well is 1.5 m. The depth of the well is 12 m.

100 mm diameter pipe	150 mm diameter pipe	200 mm diameter pipe
1-6.00	1-6.00	1-6.00
2-6.00	2-6.00	2-6.00
3-6.00	3-6.00	3-6.00
4-6.00	4-6.00	4-6.00
5-6.00	5-6.00	5-6.00
6-6.00	6-6.00	6-6.00
7-6.00	7-6.00	7-6.00
<u>42.00 m</u>	8-6.00	8-6.00
	9-6.00	9-6.00
	10-6.00	10-6.00
	11-6.00	11-6.00
	12-6.00	12-6.00
	<u>72</u>	

Logging of soil

- 0.00m — 0.50m — M Sand —
- 0.50m — 1.00m — M Sand — 0.5m
- 1.00m — 1.50m — fine sand —
- 1.50m — 12.00m — M Sand — 10.5m

Plain pipe



200 mm diameter pipe	42.00 m
150 mm diameter pipe	72.00 m
100 mm diameter pipe	108.00 m
75 mm diameter pipe	126.00 m
<u>All (1.50m)</u>	<u>348.00 m</u>
	138.00 m
	<u>210.00 m</u>



**TUBEWELL ASSEMBLY CHART**

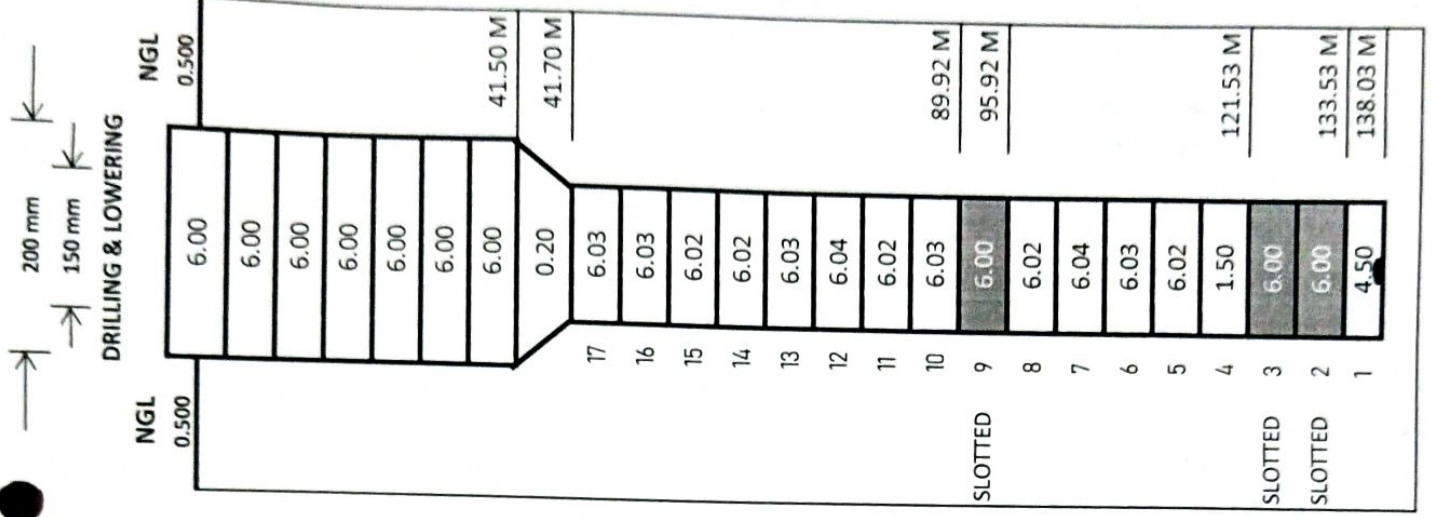
PROJECT: RURAL WATER SUPPLY SCHEME UNDER SWSM-II
EPC CONTRACTOR: VISHVARAJ ENVIRONMENT PVT LTD
COVER AGREEMENT No.: 252/ED/PHASE-3/2022-23/II
SCHEME NAME: DAYALPUR
SCHEME ID: 20053279
BLOCK: PURANPUR
LOWERING DATE: 12-06-2023

**LIST OF TUBE WELL ASSEMBLY UNITS**

SR. NO.	DISCRPTION	QTY. (M)	DIAMETER
1	PLAIN PIPES	42.00	200 mm
2	PLAIN PIPES	78.33	150 mm
3	SLOTTED PIPES	18.00	150 mm
200 mm	MM DIA PLAIN PIPES		42.00 M
200X150	MM DIA REDUCER		0.20 M
150 mm	MM DIA PLAIN PIPES		78.33 M
150 mm	MM DIA SLOTTED PIPES		18.00 M
TOTAL DEPTH			138.53 M
AGL			-0.50 M
TOTAL LOWERING DEPTH			138.03 M

**LOGGING REPOET AS-**

80 M	85 M	Medium sand
88 M	98 M	Medium sand
106 M	113 M	Medium sand
120 M	135 M	Medium sand



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M/S BLG CONSTRUCTION  
(TPI)

J.E. (E&M U.P. JAL NIGAM RURAL)

A.E. MORADABAD

E.E.