



Aqua Xplore

(Groundwater Assessment & Allied Services)
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Advisor - Dr. R. A. Yadav, ex-Manager (Groundwater), U. P. Jal Nigam

Ref. 504 - SM/ AX - 2023

Date 04.05.2023

Geophysical Borehole Logging Report

Name of the site : Semara & Mahadewa Nankar, Block - Shohratgarh

District : Siddharth Nagar

Date : 04.05.2023

Depth logged : 202.0 mbgl

Depth drilled : 220.0 mbgl - as reported

Logger use : Robertson make

Presence : Rep. of M/S VSAIPPL-SCL JV, Siddharth Nagar

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water.

Sl.No.	Depth range(mbgl)	Thickness(m)	Remarks
1	34.0-38.0	4.0	Good all
2	52.0-59.0	7.0	
3	87.0-92.0	5.0	
4	108.0-116.0	8.0	
5	119.0-129.0	10.0	
6	136.0-140.0	4.0	
7	160.0-164.0	4.0	
8	169.0-173.0	4.0	
9	180.0-190.0	10.0	

Note. All zones are highly intermixed with kankar. Sl. Nos. 1 & 6 are fine sand.

Verified as per
logs provided
Note: Sr No 4
110-116
(6)

[Signature]

for Aqua Xplore

To
M/S VSAIPPL- SCL JV, Siddharth Nagar
Uttar Pradesh

G. S.
06/05/23



Semara & Mahadewa Naukary (gcl)

- 200 x 180 M
- 300 x 150 mm

Logging report

- 34-33 = 4
- 52-59 = 7
- 87-92 = 5 = 3M
- 100-116 = 6 = 6M
- 119-129 = 10 = 9M
- 136-140 = 4
- 160-164 = 4 = 3M
- 169-173 = 4 = 3M
- 180-190 = 10 = 6M

150 mm plain pipe cutting

$$6.02 = 4.00 + 2.00$$

$$6.03 = 3.50 + 2.50$$

$$6.03 = 4.72 +$$

150 mm slot pipe cutting

$$5.99 = 2.99 + 3.00$$

$$5.99 = 2.99 + 3.00$$

$$300 \text{ MM plain pipe} = 41.93$$

$$150 \text{ MM plain pipe} = 121.01 \text{ M}$$

$$150 \text{ MM slot pipe} = 299.6 \text{ M}$$

$$200 \times 150 \text{ mm Ms Reducer} = 0.2 \text{ M}$$

$$\text{Total Assembly} = 193.10 \text{ M}$$

$$- 0.5 \text{ M AGL}$$

$$192.60 \text{ BGL}$$

		0.5 M AGL
37	5.98	
36	5.99	
35	6.00	
34	5.98	= 41.93
33	5.99	
32	5.99	
31	6.00	41.43
	0.20	
		41.63
30	6.02	
29	6.01	
28	6.02	
27	6.02	= 46.12
26	6.02	
25	6.02	
24	6.01	
23	4.00	87.75
22	2.99	90.74
21	6.02	
20	2.50	= 19.26
19	6.02	
18	4.72	
17	5.99	110.0
		115.99
16	3.50	
15	3.00	119.49
14	6.00	128.49
13	2.00	
12	6.03	
11	6.04	= 32.01
10	5.98	
9	6.00	
8	6.02	
7	3.00	160.56
		163.56
6	6.02	
		169.58
5	2.99	172.57
4	6.02	
3	2.00	= 8.02
2	5.99	180.59
		186.58
1	6.00	192.58