

TUBEWELL ASSEMBLY CHART

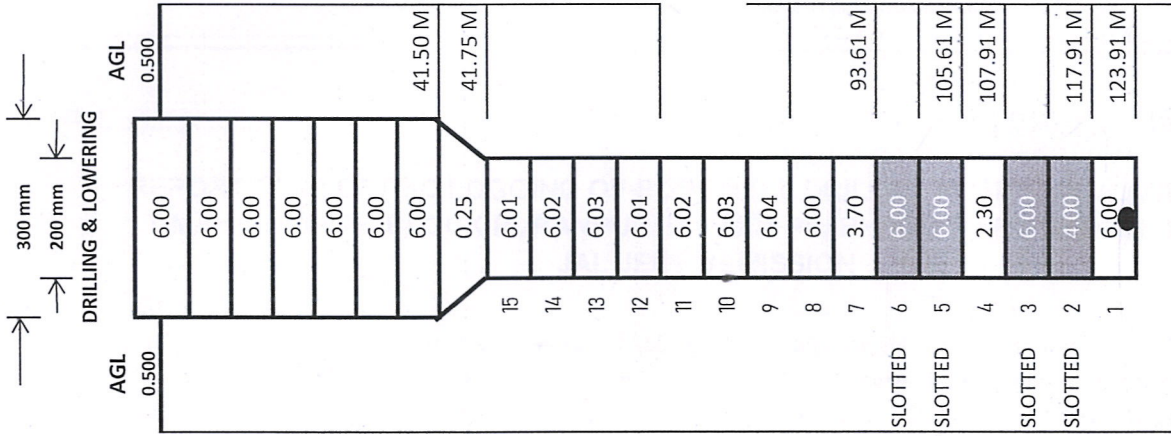
PROJECT: RURAL WATER SUPPLY SCHEME UNDER SWSM-EJM
EPC CONTRACTOR: VISHVARAJ ENVIRONMENT PVT LTD
COVER AGREEMENT No.: 564/ED/PHASE-3/2022-23/IV
SCHEME NAME: SIMRA T MAHARAJPUR
LOA NO.: 564/ED/PHASE-3/2022-23/IV-20060863
BLOCK: PURANPUR
LOWERING DATE: 18/01/2024

LIST OF TUBE WELL ASSEMBLY UNITS

Sr. No.	DISCRIPTION	QTY. (M)	DIAMETER
1	PLAIN PIPES	42.00	300 mm
2	PLAIN PIPES	60.16	200 mm
3	SLOTTED PIPES	22.00	200 mm
800 mm	MM DIA PLAIN PIPES		42.00 M
300X200	MM DIA REDUCER		0.25 M
200 mm	MM DIA PLAIN PIPES		60.16 M
200 mm	MM DIA SLOTTED PIPES		22.00 M
TOTAL DEPTH			124.41 M
AGL			-0.50 M
TOTAL LOWERING DEPTH			123.91 M

LOGGING REPOET AS-

49 M	83 M	Course sand
92 M	120 M	Course sand



for
J.E.

M/S BLG CONSTRUCTION
(TPI)

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



M/S E.R. TECHNOLOGIES

(Govt. Contractor of PH & Civil Works & Electrical Works)

(Specialist in: Deep Tube well, Sick Tube well, Geological and Hydro-Geological Survey, Electric Logging of Borehole, Videography of Borehole, Water Sample & Soil Testing etc.)

Ref.

Dated.....16/01/2024.....

REPORT OF ELECTRIC LOGGING OF BOREWELL DRILLED AT SITE VILLAGE SIMRA T MAHARAJPUR, BLOCK PURANPUR, DISRICT PILIBHIT, UTTAR PRADESH UNDER JAL JEEVAN MISSION

Introduction:

The borehole at the site was drilled to a depth of 150.00 meters, and the electric logging was conducted up to 150.00-meter depth using a continuous logger on Jan 15, 2024. The purpose of this logging was to assess the various subsurface strata and properties encountered during drilling, with a focus on resistivity measurements (LON -64" and SHN-16) and self-potential (SP) data. This report provides an analysis of the interpreted data and offers recommendations for further actions under the Jal Jeevan Mission.

Name of agency	Vishavraj Environment Pvt Ltd , Atal Poer Infra
Location	Simra T Maharajpur
Block	Puranpur
District	Pilibhit, U.P
Depth drilled (mbgl)	150
Depth logged (mbgl)	150
Water level (m)	08
LON -64" Resistivity (N-64)	Ohm.m (Blue)
SHN-16 Resistivity (N-16)	Ohm.m (Red)
Self-Potential (SP)	Mv (Green)

Sr. No	Depth Range (m)		Zone Thickness(m)	LON -64" N Resistivity (ohm.m)	Probable Strata	Expected water Quality
	From	To				
1	0.00	5.00	5.00	<20	Top Soil	-
2	5.00	20.00	15.00	87	Coarse Sand, Gravel	-
3	20.00	22.00	2.00	56	Clay	-
4	22.00	30.00	8.00	86	Coarse Sand, Gravel	-
5	30.00	32.00	2.00	55	Clay	-
6	32.00	46.00	14.00	94	Coarse Sand , Gravel	-
7	46.00	49.00	3.00	14	Clay	-
8	49.00	83.00	34.00	112	Coarse Sand Gravel , Pebble	Good
9	83.00	92.00	9.00	65	Clay	-
10	92.00	120.00	28.00	109	Coarse Sand Gravel , Pebble	Good
11	120.00	123.00	3.00	72	Clay	-
12	123.00	128.00	5.00	108	Coarse Sand Gravel , Pebble	Good
13	128.00	129.50	1.50	59	Clay	-
14	129.50	137.00	7.50	105	Coarse Sand Gravel , Pebble	Good

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Dated.....16/01/2023.....

SITE- VILLAGE SIMRA T MAHARAJPUR, BLOCK PURANPUR, DISRICT PILIBHIT, UTTAR PRADESH

15	137.00	140.00	3.00	68	Clay	
16	140.00	145.00	5.00	108	Coarse Sand Gravel , Pebble	Good
17	145.00	150.00	5.00	59	Clay	-

Recommendations:

Based on the interpreted strata data from the electric logging, the following recommendations are provided:

1. Screen Installation:

It is recommended to install screens against the **bold-marked strata** indicated in the interpretation above. These screens will help facilitate water inflow from the identified permeable zones.

2. Expected Water Quality:

The expected water quality in the zones marked as "Good" is anticipated to be favorable.

3. Tubewell Development:

To optimize water yield, it is advised to develop the tubewell using a high-capacity air compressor.

Interpretation Done By...

PARKASH KUMAR
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IIIrd-Phase-Pilibhit

lowering of simra. T. maharajpur w/s scheme Distt-Pilibhit Block-Pooranpur
 T.W-Size-300x200mm lowering date-18/11/24 discharge-1000 lpm/150/140

300mm ϕ housing pipe

- 1- 6.00
- 2- 6.00
- 3- 6.00
- 4- 6.00
- 5- 6.00
- 6- 6.00
- 7- 6.00

- 42.00M

200mm ϕ plain pipe

- 1- 6.01
 - 2- 6.02
 - 3- 6.03
 - 4- 6.00
 - 5- 6.01
 - 6- 6.00
 - 7- 6.02
 - 8- 6.03
 - 9- 6.00
 - 10- 6.04

 - 60.16M
- 3.70M
2.30M

200mm ϕ slotted pipe

- 1- 6.00
 - 2- 6.00
 - 3- 6.00
 - 4- 6.00
 - 5- 6.00

 - 30.00M
- 4.00M
2.00M

Logging Report As:-

49m — 83m — Coarse sand
 92m — 120m — " "

Plain pipe

- 6.00
- 3.70M
- 2.30M

slotted pipe

- 6.00
- 4.00M
- 2.00M

300mm ϕ housing pipe	—	42.00M
300x200mm Reducts	—	0.25M
200mm ϕ plain pipe	—	60.16M
200mm ϕ slotted pipe	—	22.00M
		<hr/>
		124.41M
ALL ->		0.50M
		<hr/>
		123.91M

