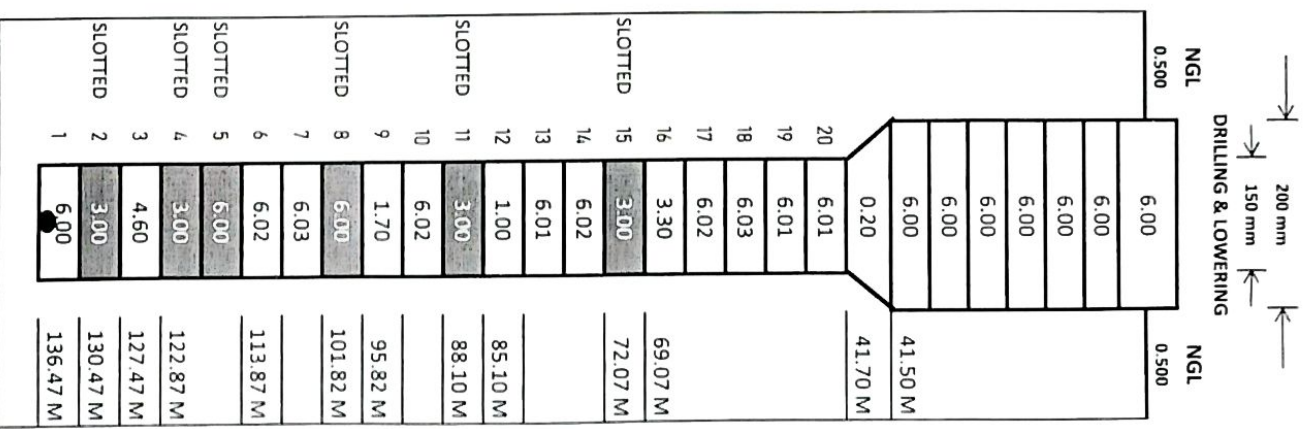


TUBEWELL ASSEMBLY CHART	
PROJECT: RURAL WATER SUPPLY SCHEME UNDER SWSSMDM	
EXECUTIVE CONTRACTOR: VISVAJAGATI ENVIRONMENTAL PVT LTD	
COVER AGREEMENT No.: 2022/ED PHASE-3/2022/24 II	
SCHEME NAME: BHARDE R KAMRUKITA	
FOY NO.: 2022/ED PHASE-3/2022/24 II-200066387	
BLOCK: BMSALTER	
LOWERING DATE: 16/10/2023	

LIST OF TUBEWELL ASSEMBLY UNITS			
S.R. NO.	DESCRIPTION	QTY. (NO)	DIAMETER
1	PLAIN PIPES	42.00	200 mm
2	PLAIN PIPES	70.77	150 mm
3	SLOTTED PIPES	24.00	150 mm
200 mm	MM DIA PLAIN PIPES		42.00 M
200x150	MM DIA REDUCER		0.20 M
150 mm	MM DIA PLAIN PIPES		70.77 M
150 mm	MM DIA SLOTTED PIPES		24.00 M
TOTAL DEPTH			136.97 M
AGL			-0.50 M
TOTAL LOWERING DEPTH			136.47 M

LOGGING REPORT AS:-		
67 M	74 M	(Course sand)
83.5 M	89 M	(Course sand)
93.5 M	105 M	(Course sand)
	124.5 M	(Course sand)
	140 M	(Course sand)



M/S BIG CONSTRUCTION (TPI)
 A.E.
 (E&M U.P. JALNIGAM RURAL MORADABAD)



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.)

09/09/2023

Dated.....

Ref.

REPORT OF ELECTRIC LOGGING OF BOREWELL DRILLED AT SITE VILLAGE BIHARIPUR KAMIRKHA, BLOCK BISALPUR, DISTRICT 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 Oct 09, 2023. 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.

LOGGING DATA

Name of agency	Vishwaraj Environment, Atal poer Infra
Location	Biharipur Kamirkha
Block	Bisalpur
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)

Log Report of Biharipur Kamirkha, block Bisalpur, district Pilibhit, Uttar Pradesh

Sr. No	Depth Range (m)		Zone Thickness(m)	LON -64" N Resistivity (ohm.m)	Probable Strata	Expected water Quality
	From	To				
1	0.00	8.00	8.00	>25	Top Soil	-
2	8.00	19.00	11.00	66	Fine Medium Sand	-
3	19.00	23.00	4.00	35	Clay	-
4	23.00	33.00	10.00	69	Medium Sand	-
5	33.00	38.00	5.00	29	Clay	-
6	38.00	46.00	8.00	78	Coarse Sand	-
7	46.00	53.00	7.00	37	Clay	-
8	53.00	63.00	10.00	75	Coarse Sand	-
9	63.00	67.00	4.00	29	Clay	-
10	67.00	74.00	7.00	70	Coarse Sand	Good
11	74.00	83.00	9.00	35	Clay	-
12	83.50	89.00	5.50	67	Coarse Sand	Good
13	89.00	93.50	4.50	33	Clay	-
14	93.50	105.00	11.50	66	Coarse Sand	Good

Regd. Office: 7-A Shanti Nagar , Rajpura Sirhind Bye Pass Road, Near St. Xavier's School

Mobile: 98140-33654, 98721-62830 Office Phone: (0175) 2911516

E-mail:- ertechnologies1516@gmail.com



M/S E.R. TECHNOLOGIES

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.....09/09/2023

Log Report of Biharipur Kamirkha, block Bisalpur, district Pilibhit, Uttar Pradesh

15	105.00	112.50	7.50	26	Clay	
16	112.50	124.50	12.00	65	Coarse Sand	Good
17	124.50	126.00	1.50	27	Clay	-
18	126.00	140.00	14.00	64	Coarse Sand	Good
19	140.00	150.00	10.00	29	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.

PARKASH KUMAR
MSc (Hons)Geology

Regd. Office: 7-A Shanti Nagar , Rajpura Sirhind Bye Pass Road, Near St. Xavier's School

Mobile: 98140-33654, 98721-62830 Office Phone: (0175) 2911516

E-mail:- ertechnologies1516@gmail.com

Lowering of Bhanpur Komirka WIS scheme Distt - Pilibhit Block Brialpur
 TW Size - 200 x 150 mm² Lowering Date - 10/10/23 discharge - 570 l/m / 150/140

200mm² 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

150mm² Plain Pipe

- 1- 6.01
 - 2- 6.01
 - 3- 6.03
 - 4- 6.02
 - 5- 6.00
 - 6- 6.02
 - 7- 6.01
 - 8- 6.02
 - 9- 6.01
 - 10- 6.02
 - 11- 6.03
-
- 66.18M
-
- 6.00M

150mm² Slotted Pipe

- 1- 6.00
 - 2- 6.00
 - 3- 6.00
 - 4- 6.00
-
- 24.00M

Logging Report As:-

- 67m — 74m — Coarse sand — 3.
- 83.50 — 89.00 — Coarse sand — 3.
- 93.50 — 105.00 — Coarse sand — 6.
- 112.50 — 124.50 — " " — 6+3
- 126 — 140m — Coarse sand — 3.

Plain Pipe 6.00 ← 3.00m
 6.00 ← 2.00m
 6.00 ← 1.00m

6.01 ← 4.00m
 6.01 ← 2.00m

Slotted Pipe
 6.00 ← 2.00m
 6.00 ← 2.00m

6.00 ← 5.00m
 6.00 ← 2.00m

200mm ² Housing pipe	42.00M
200x150mm ² Reducer	0.20M
150mm ² Plain Pipe	70.78M
150mm ² Slotted Pipe	24.00M
	<hr/>
	136.98M
Allowance	0.50M
	<hr/>
	136.48M

