



M/S E.R. TECHNOLOGIES

GSTIN. 03BNPPS2540N1ZK

(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 24/08/2023

REPORT OF ELECTRIC LOGGING OF BOREWELL DRILLED AT SITE VILLAGE BILASPURBLOCK BILSANDA, DISRICT PILLIBHIT, 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 the same depth using a continuous logger on Aug 24, 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 Pvt. Ltd., Atal power infra
Location	Bilaspur
Block	Bilsanda
District	Pilibhit, U.P
Depth drilled (mbgl)	150
Depth logged (mbgl)	150
Water level (m)	12
LON -64" Resistivity (N-64)	Ohm.m (Blue)
SHN-16 Resistivity (N-16)	Ohm.m (Red)
Self-Potential (SP)	Mv (Green)

Log Report of Bilaspur block Bilsanda district pillibhit , 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	3.00	3.00	25	Topsoil	-
2	4.00	38.00	34.00	40	Fine Sand	-
3	38.00	65.00	27.00	35	Medium Coarse Sand	-
4	65.00	71.00	6.00	55	Clay	-
5	71.00	77.00	6.00	30	Medium Coarse Sand	Good
6	77.00	87.00	10.00	60	Clay	-
7	87.00	100.00	13.00	35	Medium Coarse Sand	Good
8	100.00	103.00	3.00	68	Clay	-
9	103.00	110.00	7.00	38	Medium Coarse Sand	Good
10	110.00	119.00	9.00	70	Clay	-
11	118.00	124.00	6.00	30	Medium Sand	Good
12	124.00	128.00	4.00	69	Clay	-
13	128.00	145.00	17.00	33	Medium Coarse Sand	Good
14	145.00	150.00	5.00	74	Clay	-

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Lowering of Bilaspur wgs schematic Pilibhit Block - Bilarda
 TWTG - 300x200mm Lowering Date - 26/8/23 discharge - 1530/140

300mm lowering pipe

- 1- 6.10
- 2- 6.10
- 3- 6.10
- 4- 6.10
- 5- 6.10
- 6- 6.10
- 7- 6.10

- 42.00M

200mm plain pipe

- 1- 6.01 ✓
- 2- 6.01 ✓
- 3- 6.02 ✓
- 4- 6.01 ✓
- 5- 6.00 ✓
- 6- 6.00 ✓
- 7- 6.01 ✓
- 8- 6.02 ✓
- 9- 6.00 ✓
- 10- 6.01 ✓
- 11- 6.01 ✓
- 12- 6.03 ✓

200mm studded pipe

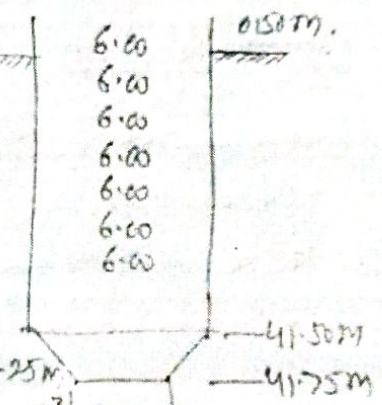
- 1- 6.00 ✓
- 2- 6.00 ✓
- 3- 6.00 ✓
- 4- 6.00 ✓

- 24.00M
- 6.00 ✓

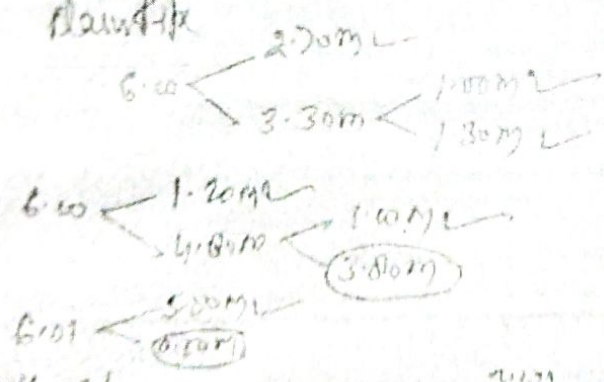
- 30.00M

Logging Report Asst.

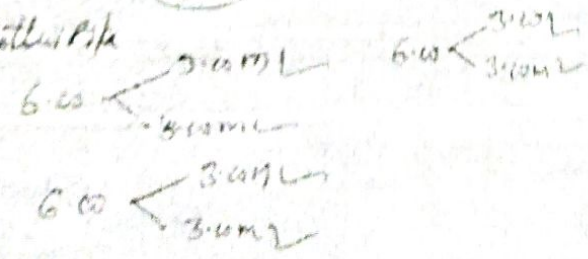
38m — 65m — M. Coarse sand — 9
 71m — 77m — M. Coarse sand — 3.
 87m — 100m — M. Coarse sand — 6+3
 103m — 110m — " " " — 3.
 110m — 124m — M. Sand. — 3
 120m — 145m — M. Coarse sand — 3M



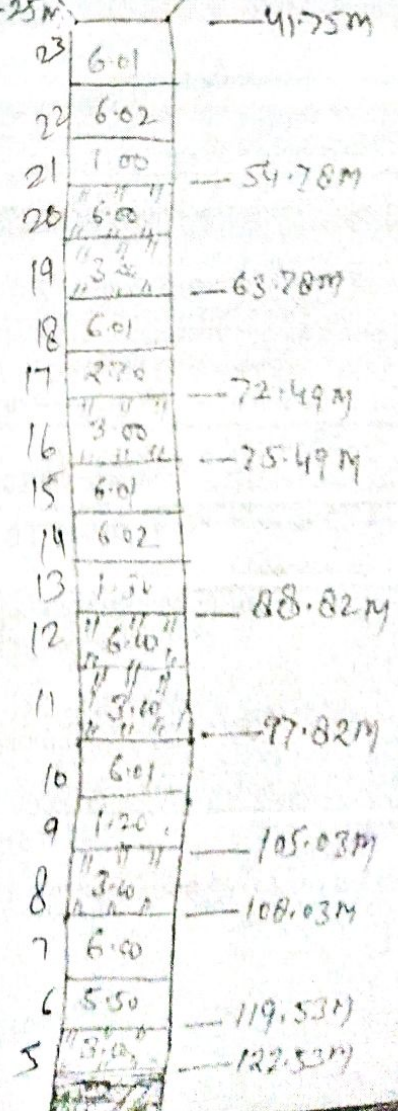
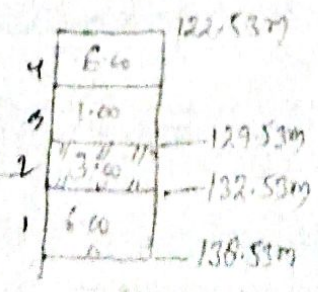
Plain Pipe



Studded Pipe



300mm lowering pipe — 42.00M
 300x200mm Reducer — 0.25M
 200mm plain pipe — 66.78M
 200mm studded pipe — 30.00M
 200mm — 139.03M
 Asst. — 0.50M
 130.53M

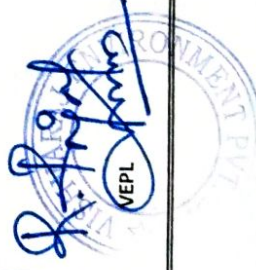


TUBEWELL ASSEMBLY CHART	
PROJECT: RURAL WATER SUPPLY SCHEME UNDER SWSM/JM	
EPC CONTRACTOR: VISHVARAJ ENVIRONMENT PVT LTD	
COVER AGREEMENT No.: 988/ED/Phases-3/2023-2/VI	
SCHEME NAME: BISALPUR	
LOA NO.:	
BLOCK: BILSANDA	
LOWERING DATE: 26/08/2023	

LIST OF TUBE WELL ASSEMBLY UNITS			
SR. NO.	DISCRPTION	QTY. (M)	DIAMETER
1	PLAIN PIPES	42.00	300 mm
2	PLAIN PIPES	66.78	200 mm
3	SLOTTED PIPES	30.00	200 mm
300 mm	MM DIA PLAIN PIPES		42.00 M
300X200	MM DIA REDUCER		0.25 M
200 mm	MM DIA PLAIN PIPES		66.78 M
200 mm	MM DIA SLOTTED PIPES		30.00 M
TOTAL DEPTH			139.03 M
AGL			-0.50 M
TOTAL LOWERING DEPTH			138.53 M

LOGGING-REPOET AS-	
38 M	Medium Course sand
71 M	Medium Course sand
87 M	Medium Course sand
103 M	Medium Course sand
118 M	Medium sand
128 M	Medium Course sand



M/S BLG CONSTRUCTION
(TPI)

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

