



GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

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Ref No.....

Date 24-06-2023

GEOPHYSICAL ELECTRICAL WELL LOGGING FIELD REPORT DETAIL OF WATER BEARING ZONES

Name Of Agency..... Nishant Environment Pvt Ltd, Barasi Banawali
 Village..... Rajwari Pachpada Block..... Barakhara
 District..... Etahil Logging Depth..... 145 mtr
 Drilling Depth..... 150 mtr Water Level..... 15 mtr

S.No	Depth in Mtr.	Lithology	Expected Water Quality
1	0 - 5	Surface Soil	
2	5 - 18	Fine Sand	
3	18 - 25	clay Kankar	
4	25 - 29	Fine to med. Sand	Good
5	29 - 34	clay Kankar	
6	34 - 37	Fine sand	Good
7	37 - 42	clay Kankar	
8	42 - 46	Fine to med. Sand	Good
9	46 - 59	clay Kankar	
10	59 - 81*	medium Sand	Good
11	81 - 87	clay Kankar	
12	87 - 95*	Sand & KanKar	Good
13	95 - 103	clay KanKar	
14	103 - 135*	medium Sand & Kan.	Good
15	135 - 140	clay KanKar	
16	140 - 145*	Fine to med. Sand	Good
17			
18			
19			
20			
21			
22			
23			



* Expected Water Bearing Zone

For Ground Water Survey Consultancy

V. Jain
Geophysicist

Specializations In

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

Location of Khajuria Pachpala WB scheme Distt - Paschim Medinipur Block - Barhara
 T.W. size 300mm and lowering rate - 24/23 discharge 700 lpm / 150/11m
 300mm lowering pipe 150mm plain pipe 150mm slotted pipe

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

42.00M

- 1- 6.02
- 2- 6.04
- 3- 6.03
- 4- 6.00
- 5- 6.02
- 6- 6.02
- 7- 6.03
- 8- 6.01
- 9- 6.00
- 10- 6.03
- 11- 6.02
- 12- 6.03

72.27M

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

30.00M

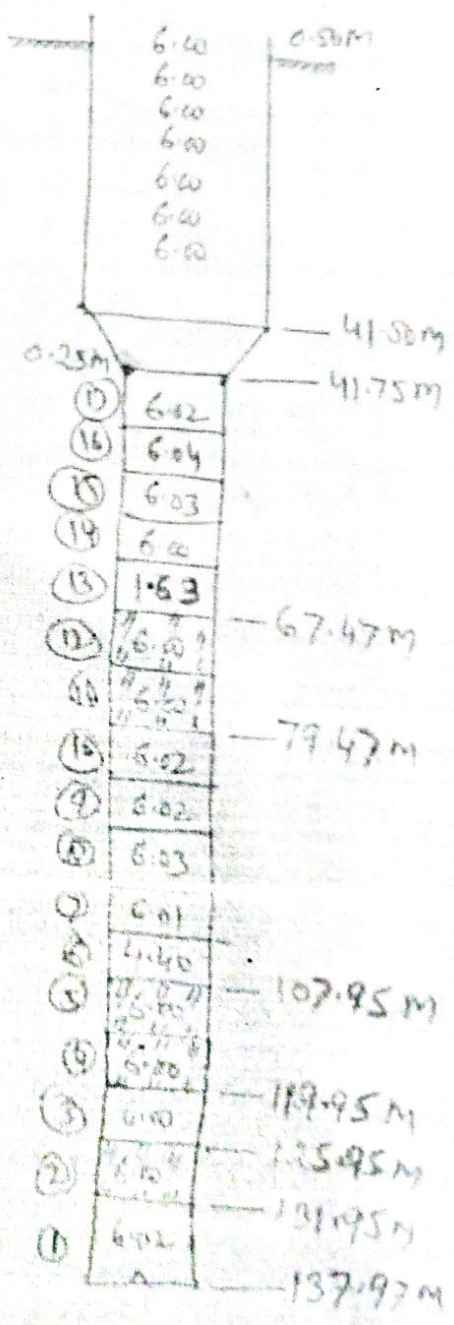
4.40M
1.63M

Logging Report Asc

59m — 81m — M. Sand — 12
 87m — 95m — Sand & kanker
 102m — 135m — M. Sand — 18.

plain pipe
 6.03 ← 4.40M
 1.63M

300mm lowering pipe — 42.00M
 300mm Reducer — 0.35M
 150mm plain pipe — 66.22M
 150mm slotted pipe — 30.00M
138.47M
 137.92M



TUBEWELL ASSEMBLY CHART

PROJECT: RURAL WATER SUPPLY SCHEME UNDER SWSM-I/UM
 EPC CONTRACTOR: VISHVARAJ ENVIRONMENT PVT LTD
 COVER AGREEMENT No.: 252/ED/PHASE-3/2022-23/II
 SCHEME NAME: KHAJURIA PACHPEDA
 SCHEME ID: 20053186
 BLOCK: BARKHERA
 LOWERING DATE: 24-06-2023

LIST OF TUBE WELL ASSEMBLY UNITS

SR. NO.	DISCRPTION	QTY. (M)	DIAMETER
1	PLAIN PIPES	42.00	300 mm
2	PLAIN PIPES	66.22	150 mm
3	SLOTTED PIPES	30.00	150 mm
300 mm	MM DIA PLAIN PIPES		42.00 M
300X150	MM DIA REDUCER		0.25 M
150 mm	MM DIA PLAIN PIPES		66.22 M
150 mm	MM DIA SLOTTED PIPES		30.00 M
		TOTAL DEPTH	138.47 M
		AGL	-0.50 M
		TOTAL LOWERING DEPTH	137.97 M

LOGGING REPOET AS-

59 M	81 M	Medium sand
87 M	95 M	Medium sand
103 M	135 M	Medium sand



Abhishek

M/S BLG CONSTRUCTION
(TPI)

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

Abhishek

E.E.
MORADABAD

