

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-B- 528

Date:- 18-05-2023

NAME OF SITE

GRAM PANCHAYAT- Bherkheda

BLOCK- Dhanaura

DISTT- Amroha

NAME OF AGENCY

M/s PNC-SPML-JV

Amroha

22, CAMAC STREET, BLOCK-A, 3rd FLOOR, KOLKATA-700016



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

1 PANCHAYAT- BHERKHEDA, BLOCK- DHANAURA, DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Location :

A Deep bore hole was drilled 130 mtrs. depth and Logged depth 121 mtrs. at site. Was drilled by M/S PNC-SPML-JV, Moradabad.
On the request of M/S PNC-SPML-JV, Moradabad, a Geophysical well Logging in the bore hole using IGIS Well Logger on 18 May 2023.
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral
is of major aquifer formations explored from logging of bore hole combined with the study
ata Chart prepared from drill cuttings are given in the following table:-

Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
0 - 5	5	Surface soil	
5 - 8	3	Dry sand	
8 - 12	4	Clay kankar	
12 - 26	14	Fine sand	
26 - 30	4	Clay kankar	
30 - 35	5	Fine to Medium sand	Good
35 - 38	3	Clay kankar	
38 - 64*	26	Medium sand	Good
64 - 70	6	Clay kankar	
70 - 94*	24	Fine to Medium sand	Good
94 - 97	3	Clay kankar	
97 - 105*	8	Fine to Medium sand	Good
105 - 109	4	Clay kankar	
109 - 112	3	Fine sand	Good
112 - 115	3	Clay kankar	
115 - 118	3	Fine sand	Good
118 - 121	3	Clay kankar	

Ground Water Survey Consultancy



Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist



Ground Water Survey Consultancy

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 163

Date:- 05-12-2021

NAME OF SITE

GRAM PANCHAYAT- Shekhupur Jhakri BLOCK- Hasanpur DISTT- Amroha

NAME OF AGENCY

M/s PNC-SPML-JV
Moradabad
22, CAMAC STREAT, BLOCK-A, 3rd FLOOR, KOLKATA-700016



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SHEKHUPUR JHAKRI, BLOCK- HASANPUR, DISTT- AMROHA
UNDER
JAL JIVAN MISSION

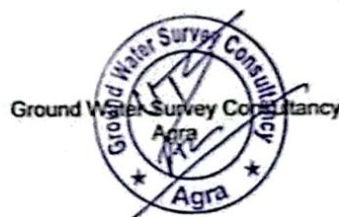
Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 117 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of Mr. Pankaj Sinha, Sr. Projects Managar. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 05.Dec.2021.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Defth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 16	11	Dry sand	
3.	16 - 27	11	Clay kankar	
4.	27 - 44	17	Medium sand	Med. to Good
5.	44 - 48	4	Clay kankar	
6.	48 - 51	3	Fine sand	Med. to Good
7.	51 - 59	8	Clay kankar	
8.	59 - 76*	17	Fine to Med. sand	Med. to Good
9.	76 - 78	2	Clay kankar	
10.	78 - 95*	17	Medium sand	Med. to Good
11.	95 - 101	6	Clay kankar	
12.	101 - 115*	14	Medium sand	Med. to Good
13.	115 - 117	2	Clay kankar	



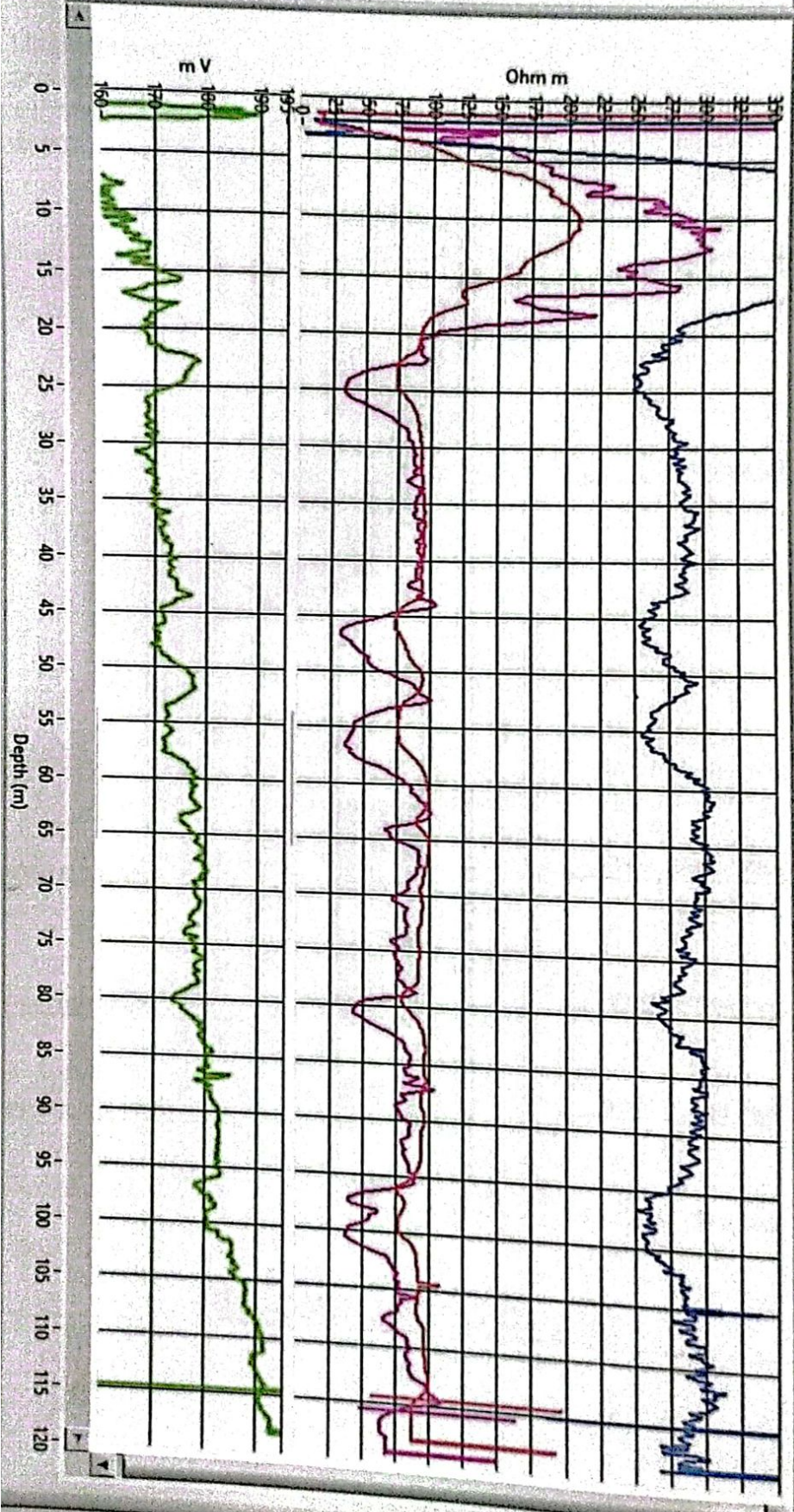
Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starts chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium to Good.
4. Expected discharge is 1100 to 1200 L.P.M.
5. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
6. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.



Ground Water Survey Consultancy

Rho a
 NI6 (SN)
 NS4(LN)
 LAT
 Logging VI
 Sethapur Jhalri
 Block Hasanpur Distt
 Amroha
 LOGGINGUP
 05 Dec 2021
 12:15
 Karish sharma



ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART

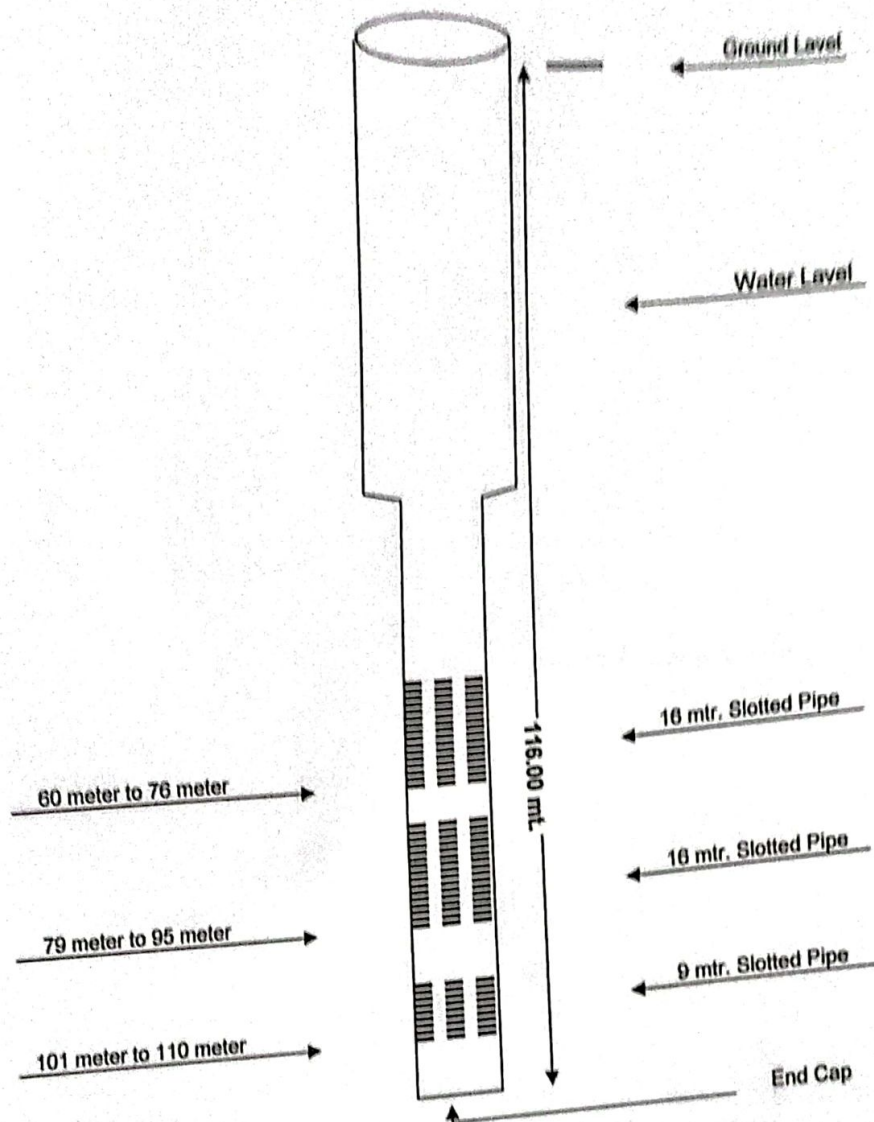
FOR
M/s PNC-SPML-JV, Moradabad

31, CAMAC STREET, BLOCK A, 3rd FLOOR, ROHOKATA-700016

AT SITE

Gram Panchayat - Shekhpur Jhakeri, Block - Hasanpur, Distt. - Amroha

dia - 200X150mm.
of Boring - Stalner
of Loring - 116 Mtr.
Level - 18 Mtr.



RECOMMENDED CHART

Ground Water Survey Consultancy

