

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:- 635

Date:- 13-03-2022

NAME OF SITE

Gram Panchayat- Sathra

BLOCK- Usawan

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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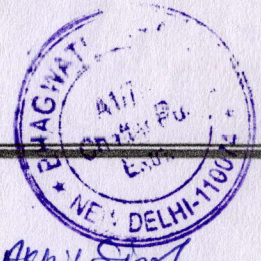
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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

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

ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SATHRA, BLOCK- USAWAN, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

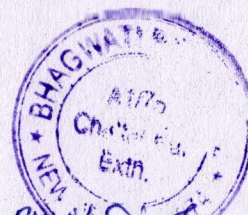
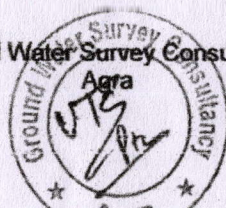
A Deep bore hole was drilled 121 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 13.Mar.2022.

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.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 12	2	Clay kankar	
4.	12 - 18	6	Fine to Medium sand	
5.	18 - 22	4	Clay kankar	
6.	22 - 39	17	Medium sand	Medium
7.	39 - 45	6	Clay kankar	
8.	45 - 54*	9	Medium sand	Medium
9.	54 - 62	8	Clay kankar	
10.	62 - 70*	8	Medium sand	Medium
11.	70 - 75	5	Clay kankar	
12.	75 - 85	10	Kankar with Sand	Medium
13.	85 - 100	15	Clay kankar	
14.	100 - 116*	16	Medium sand	Medium
15.	116 - 120	4	Clay kankar	

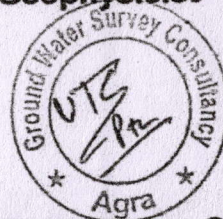
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Conclusions and Recommendations :-

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 Medium.
4. Expected discharge is 800 to 900 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.

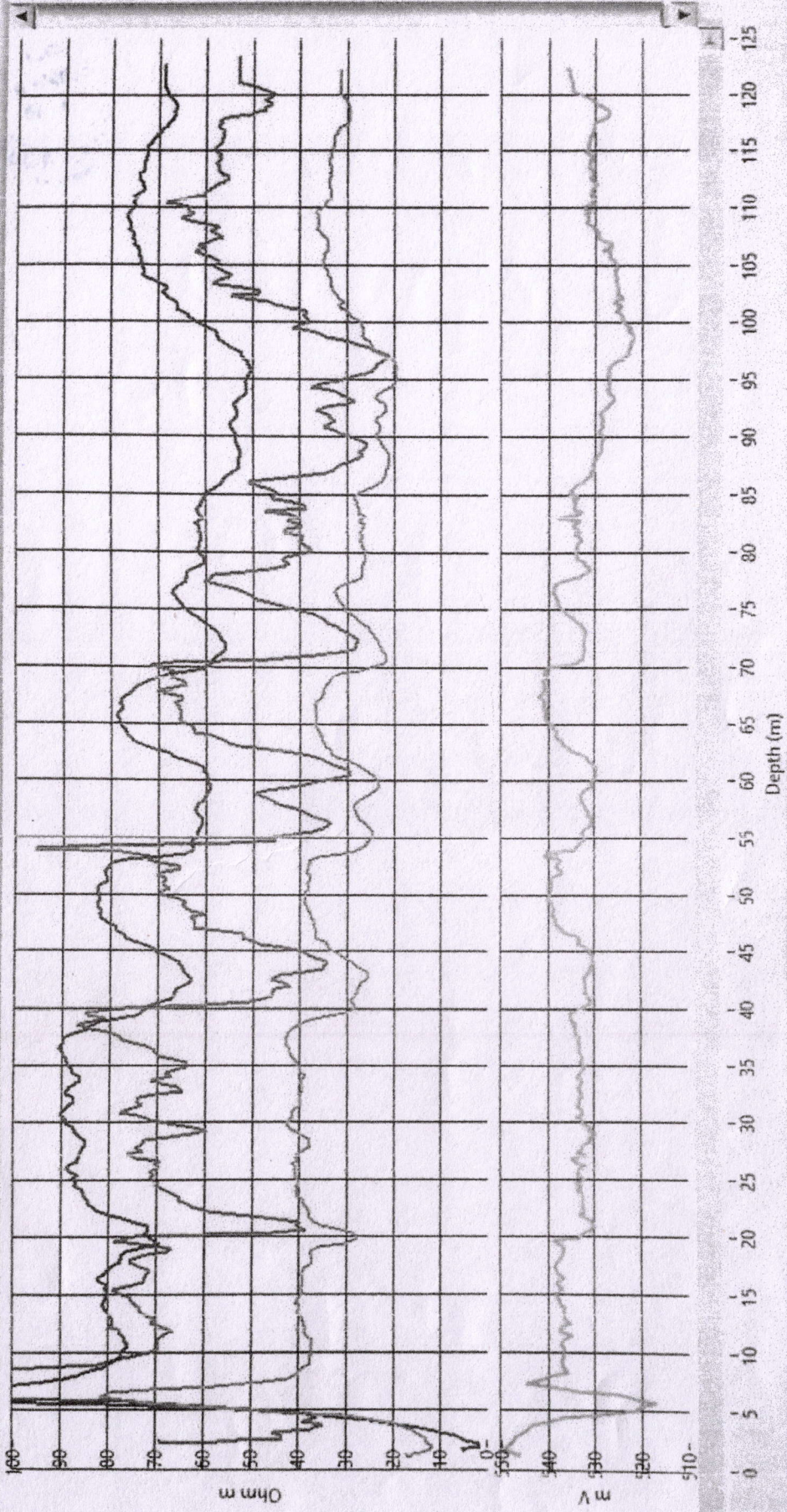
Geophysicist



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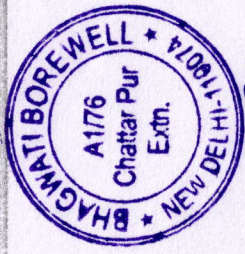


ARUN Singh



Rho a
 << N16 (SN)
 << N64(LN)
 << LAT
 Logging VI Sathra
 Block: Usawan Distt
 Budaun
 LOGGIIIGUP
 13 Mar 2022
 12 51
 Uttmarsh Gupta (A.G)

SP (m V)
 <<



Achil Singh

