

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 81

Date:- 15-04-2022

NAME OF SITE

Gram Panchayat- Jaguvasai

BLOCK- Jagat

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

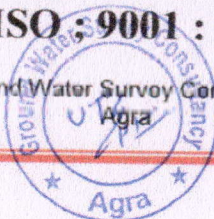
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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



For Dhruv Tubewell Engineers

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JAGUVASAI, BLOCK- JAGAT, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

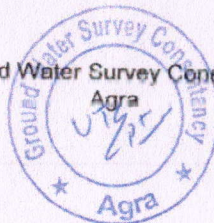
A Deep bore hole was drilled 114 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 15.Apr.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 - 16	6	Sandy clay	
4.	16 - 20	4	Clay kankar	
5.	20 - 23	3	Fine to Medium sand	Good
6.	23 - 30	7	Clay kankar	
7.	30 - 37	7	Medium sand	Good
8.	37 - 40	3	Clay kankar	
9.	40 - 68*	28	Medium sand	Good
10.	68 - 72	4	Clay kankar	
11.	72 - 81*	9	Medium sand	Good
12.	81 - 94	13	Clay kankar	
13.	94 - 100*	6	Fine to Medium sand	Good
14.	100 - 110	10	Clay kankar	

Ground Water Survey Consultancy



For Dhruv Tubewell Engineers

Dhruv
Partner

Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting strata 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. 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



Ground Water Survey Consultancy

For Dhruv Tubewell Engineers

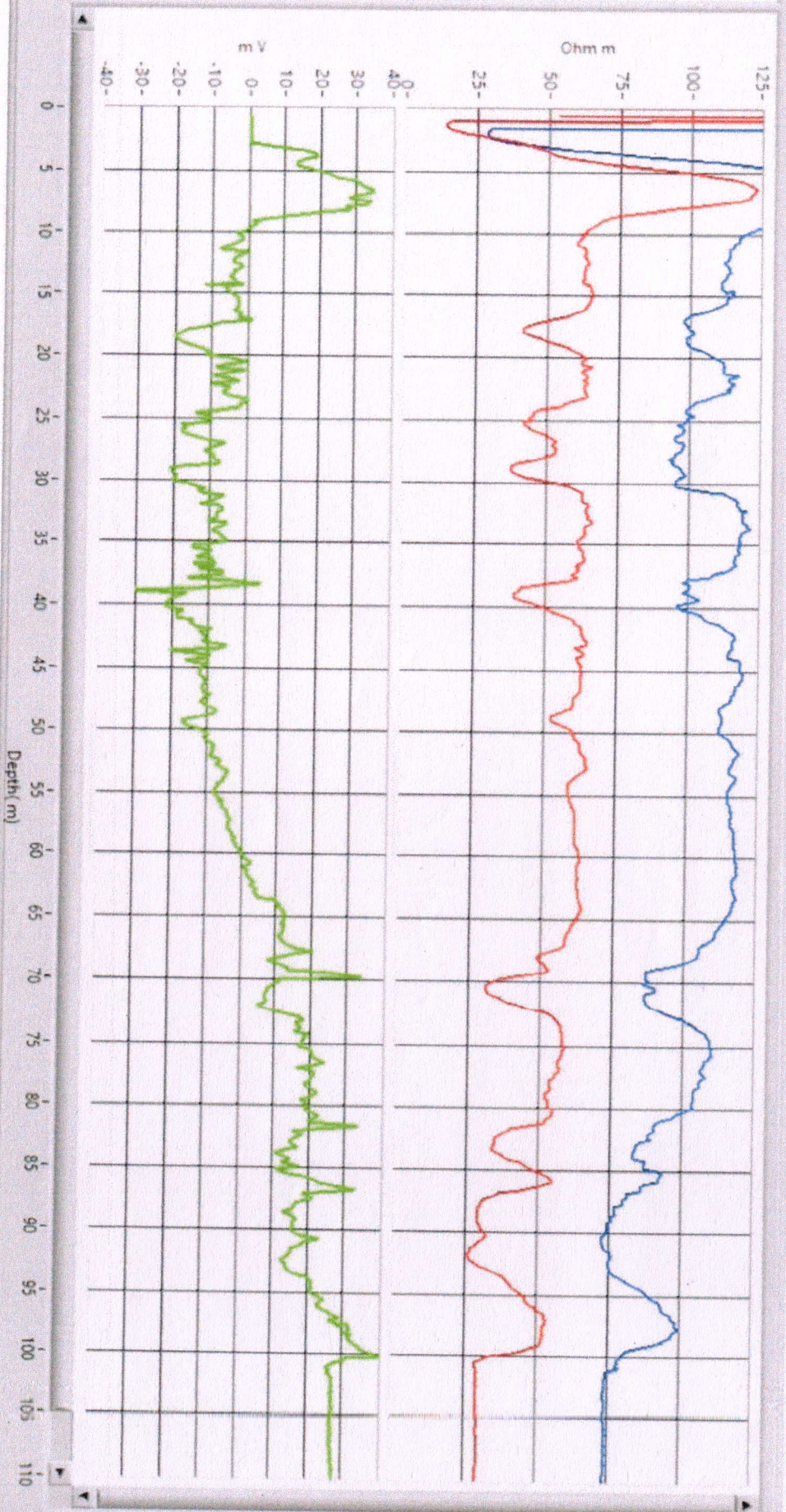
A handwritten signature in black ink, appearing to be "Dhruv", written over the word "Partner".

Partner

Rho s
 N 16(S/W)
 N 64 (L/N)
 LAT

Location:
 Logging / Acquisition:
 State: Uttar Pradesh, India
 Log No.:
 DOWN: 02010120000
 Date: 18 Aug 2013
 Time:
 11:53
 Operator:
 USAR: Suresh K.S.
 Well Name:

SP



For Dhruv Tubewell Engineers

Dhruv Partner