

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 1050

Date:- 18-10-2022

NAME OF SITE

Gram Panchayat- Todarpur

BLOCK- Asafpur

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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
Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- TODARPUR, BLOCK- ASAFPUR, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 112 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 18.Oct.2022.

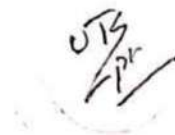
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 32	17	Fine sand	
4.	32 - 42	10	Fine to Medium sand	Good
5.	42 - 45	3	Clay kankar	
6.	45 - 54*	9	Medium sand	Good
7.	54 - 59	5	Clay kankar	
8.	59 - 91*	32	Medium sand	Good
9.	91 - 100	9	Clay kankar	
10.	100 - 110	10	Kankar & Fine sand	

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

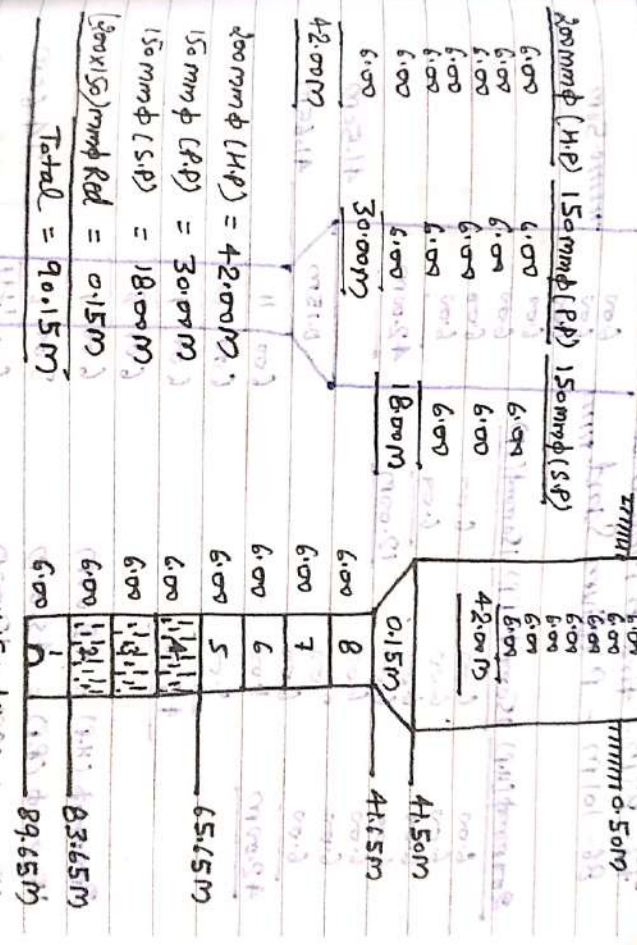


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Todarpur R/p w/s Scheme Under JM Program
Block - Todarpur Dist - Budau

Shata Fix for Loggers → P-11.1M (5m x 5m) mmp
 L-1.00M (200 x 15) mmp
 Dt-19/10/2022

45-54M - Medium Sand
 54-91M - Medium Sand
 Discharge - 4174PM
 36M Head 7.5 R/p



200mmφ (H.P) = 42.00M
 150mmφ (S.P) = 30.00M
 150mmφ (H.P) = 18.00M
 300x150mmφ Red = 0.15M
 Total = 90.15M

A.B.L = 0.50M
 B.G.L = 89.65M
 Total = 90.15M

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	