

23 January

Wk-04 023-342 Sat

2021

Kumar G.P w/s Scheme Under ITM Programme
Block - Salarpur Distt - Budan

Dt-26/03/23

D - 110m (500x500) mmφ
 L - 100m (200x150) mmφ

Discharge - 450 LPM
38m Head 10 H.P

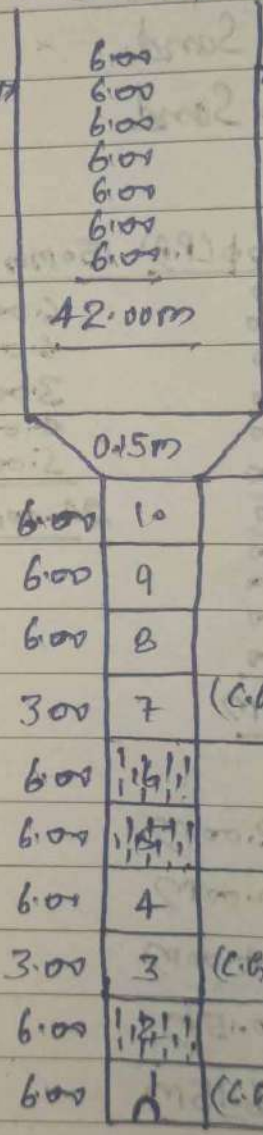
Strata As per Logger

60-77m - Medium Sand
 81-93m - Medium Sand

← 200mmφ →

200mmφ (H.P) 150mmφ (P.P) 150mmφ (S.P)

6.00	6.00	6.00
6.00	6.00	6.00
6.00	6.00	6.00
6.00	3.00	6.00
6.00	6.00	1
6.00	3.00	18.00m
<u>42.00m</u>	<u>6.00</u>	
	<u>36.00m</u>	



200mmφ (H.P) = 42.00m
 150mmφ (P.P) = 36.00m
 150mmφ (S.P) = 18.00m
(200x150) mmφ Red = 0.15m
Total = 96.15m

42.00m	50m
41.50m	
41.65m	
6.00	10
6.00	9
6.00	8
3.00	7 (C.G.)
6.00	6
6.00	5
6.00	4
6.00	3 (C.G.)
6.00	2
6.00	1 (C.G.)
	0

A.G.L = 0.50m
 B.G.L = 95.65m
Total = 96.15m

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-530

Date:- 25-03-2023

NAME OF SITE

GRAM PANCHAYAT- Kunar

BLOCK- Salarpur

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



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KUNAR, BLOCK- SALARPUR, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 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 25.Mar.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer 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 - 17	12	Dry sand	
3.	17 - 21	4	Clay kankar	
4.	21 - 25	4	Fine sand	
5.	25 - 28	3	Clay kankar	
6.	28 - 37	9	Fine to Medium sand	Good
7.	37 - 40	3	Clay kankar	
8.	40 - 54	14	Medium sand	Good
9.	54 - 60	6	Clay kankar	
10.	60 - 77*	17	Medium sand	Good
11.	77 - 81	4	Kankar	
12.	81 - 93*	12	Medium sand	Good
13.	93 - 100	7	Clay kankar	
14.	100 - 103	3	Fine sand	Good
15.	103 - 110	7	Clay kankar	

Ground Water Consultancy



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 Medium.
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.



Ground Water Survey Consultancy

Bore #
 N16 CWC
 N16AUN
 LAT

Logging Co. of India
 Survey of India
 Geology Dept.
 21/10/2003
 2003
 Project No. 16/2003

