

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-2535

Date:- 08-12-2023

NAME OF SITE

GRAM PANCHAYAT- Kalliya Kazampur BOCK- Wazirganj DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

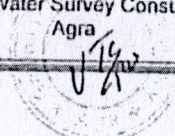
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KALLIYA KAZAMPUR, BLOCK- WAZIRGANJ, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 135 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

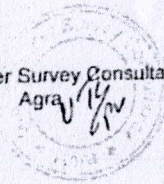
On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 08.Dec.2023.

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 - 18	13	Dry sand	
3.	18 - 27	9	Clay kankar	
4.	27 - 40	13	Medium sand	Med to Good
5.	40 - 50	10	Clay kankar	
6.	50 - 61*	11	Medium sand	Med to Good
7.	61 - 70	9	Clay kankar	
8.	70 - 77*	7	Fine to Medium sand	Med to Good
9.	77 - 83	6	Clay kankar	
10.	83 - 101*	18	Medium sand	Med to Good
11.	101 - 106	5	Clay kankar	
12.	106 - 117*	11	Medium sand	Med to Good
13.	117 - 125	8	Clay kankar	
14.	125 - 130	5	Fine sand	Med to Good

Ground Water Survey Consultancy

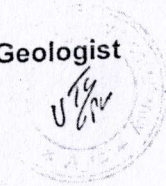
Agra 14/12/23



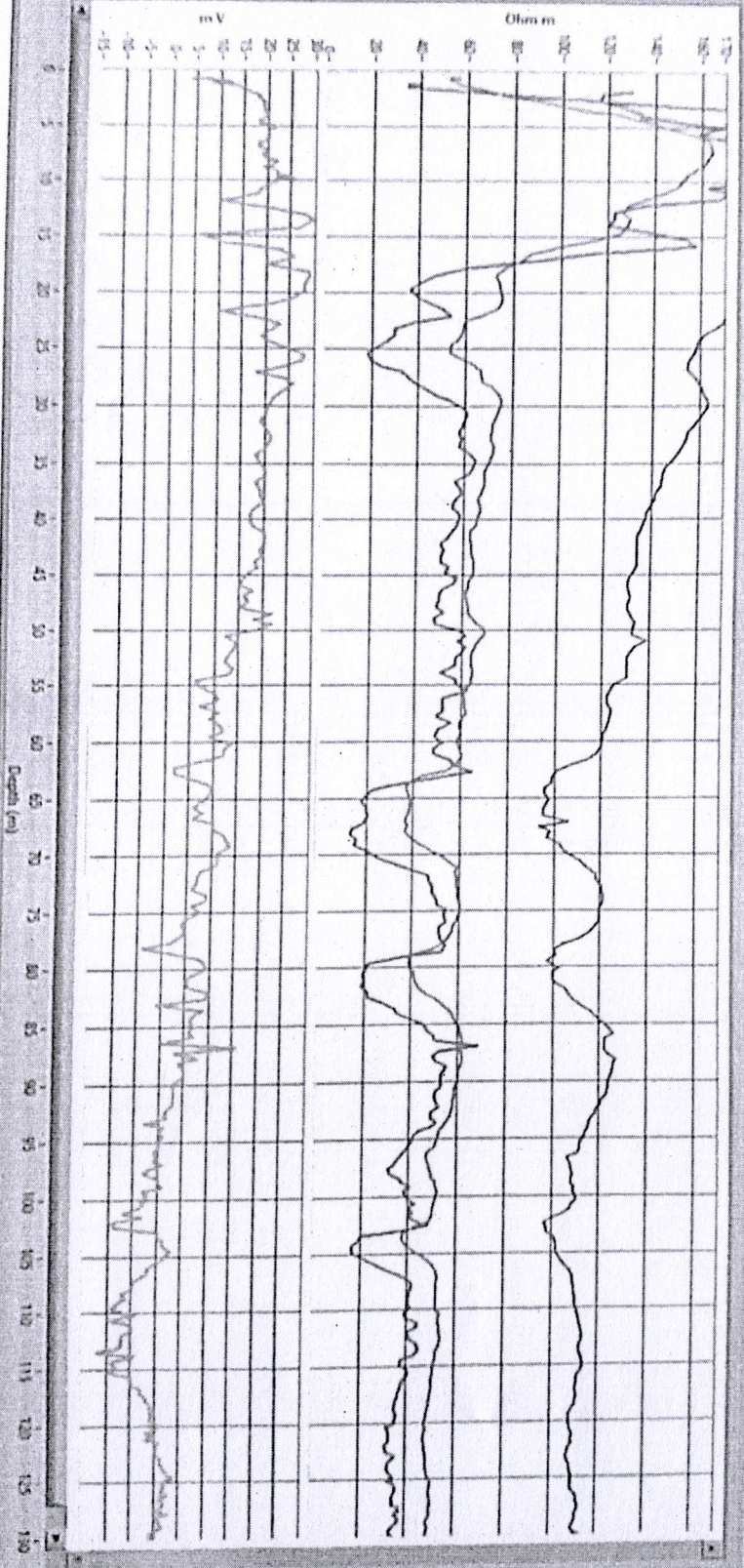
Conclusions and Recommendations :-

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 to 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.

Geologist



ANALYSIS
 K A N S A S
 GEOLOGICAL SURVEY
 TOPEKA, KANSAS
 WATER RESOURCES DIVISION
 GROUND WATER
 SURVEY
 PROJECT
 - AREA NO. 11





PNC INFRA TECH LIMITED

MEASUREMENT SHEET OF GP- Shahnagar Patparganj & Shadipur

BLOCK- Dahgavan

Project Name :- Budaun Water Project (Bareilly Division)Uttar Pradesh

Work Details: Tube Well Construction work.

Client : M/s. PNC Infratech Limited

Contractor : M/s Balaji Bore Well Pvt Ltd

Sl No.	Description of Item	Unit	Qty.	Remarks	Signature PNC (Site Engg.)
1	DC/RC Drilling including Hiring Transportaion, Erection, Dismantling with Loading				
	Tube well construction				
	DC/RC Drilling up to 100Mtr.				
1.01	400 MMØ	Mtr.			
1.02	450 MMØ	Mtr.	50.00		
1.03	500 MMØ	Mtr.			
1.04	600 MMØ	Mtr.	50.00		
	DC/RC Drilling from 101 Mtr. To 200 Mtr.Deep				
1.05	400 MMØ	Mtr.			
1.06	450 MMØ	Mtr.	30.00		
1.07	500 MMØ	Mtr.			
1.08	600 MMØ	Mtr.			
	DC/RC Drilling from 201 Mtr. To 300 Mtr.Deep				
1.09	400 MMØ	Mtr.			
1.10	450 MMØ	Mtr.			
1.11	500 MMØ	Mtr.			
1.12	600 MMØ	Mtr.			
	DC/RC Drilling from 301 Mtr. To 400 Mtr.Deep & above				
1.13	400 MMØ	Mtr.			
1.14	450 MMØ	Mtr.			
1.15	500 MMØ	Mtr.			
1.16	600 MMØ	Mtr.			
	DTH Driling upto 200.0 Mtr. Deep				
1.17	200/165 MMØ (in over burden/Hard Rock)	Mtr.			
1.18	Development / Flushing of tubewell	Hr.			
2.00	Tubewell Assembly:				
	MSERW Plain Pipe As Per IS 4270				
2.01	100 MMØ	Mtr.			
2.02	150 MMØ	Mtr.			
2.03	200 MMØ	Mtr.			
2.04	300 MMØ	Mtr.			
	MSERW Pipe slotted Pipe As Per IS 8110				
2.05	100 MMØ	Mtr.			
2.06	150 MMØ	Mtr.			
2.07	200 MMØ	Mtr.			
2.08	300 MMØ	Mtr.			
	MS ring				
2.09	100 MMØ MS Ring Made by 150*12mm Flat	No.			
2.10	150 MMØ MS Ring Made by 150*12mm Flat	No.	10.00		
2.11	200 MMØ MS Ring Made by 150*12mm Flat	No.			
2.12	300 MMØ MS Ring Made by 150*16mm Flat	No.	7.00		
	MS Bail Plug IS2800				
2.13	100 MMØ MS Bail Plug	No.			
2.14	150 MMØ MS Bail Plug	No.	1.00		
2.15	200 MMØ MS Bail Plug	No.			
2.16	300 MMØ MS Bail Plug	No.			
	Reducer				
2.17	300*200 MM Reducer	No.			
2.18	200*150 MM Reducer	No.			
2.19	300*150 MM Reducer	No.	1.00		
2.20	200*100 MM Reducer	No.			
2.21	150*100 MM Reducer	No.			
	MS SI Clamp As per IS 2800				
2.22	100 MMØ MS S.I Clamp	No.			
2.23	150 MMØ MS S.I Clamp	No.			
2.24	200 MMØ MS S.I Clamp	No.			
2.25	300 MMØ MS S.I Clamp	No.	1.00		
	TW Assembly Support				
2.26	100 MMØ Tubewell Assembly Support	No.			
2.27	150 MMØ Tubewell Assembly Support	No.			
2.28	200 MMØ Tubewell Assembly Support	No.			

गजेन्द्र सिंह