

**REPORT ON GEO-PHYSICAL ELECTRONIC  
WELL LOGGING OF BOREHOLE USING IGIS  
CONTINUOUS RECORDING ELECTRONIC  
WELL LOGGER**

at

Vill. Khaspur, Block Pilana, Distt. Baghpat (UP)

For

*State Water Sanitation Mission (Jal Jeevan Mission)  
UP Jal Nigam (Rural), Baghpat*

**Submitted Through**

M/s. L.C.Infra Projects Private Limited



**SUNRISE WATER SOURCES**

**TUBEWELL ENGINEERS & CONSULTANTS**

Near Canal Bridge, Ropar (Punjab)

Mob. No. : 90416 59909



**BOREHOLE DRILLED AT SITE KHASPUR, BLOCK PILANA,  
DISTT. BAGHPAT (UP)**

Drilled Depth :- 142 m  
Logg Depth :- 142 m  
Water Level :- 18 m (Approx.)  
Date :- 28/05/2023

Name of Agency:- M/S Sharma Electrical And Agriculture Works

**OBSERVED**

The following granular zones have been observed beyond the static ground water level with the help of Advanced Electronic Geophysical Logger

Depth Range In Mtrs. (B.G.L.)		Length (Mtrs.)	Nature Of Samples	Expected Water Quality
0.00	15.00	15.00	Surfece Clay with top Soil	
15.00	17.50	2.50	Fine Medium Sand	
17.50	24.00	6.50	Clay	
24.00	31.00	7.00	Fine Medium Sand	Good
31.00	42.00	11.00	Clay	
42.00	70.50	28.50	Medium Sand	Good
70.50	73.50	3.00	Fine Sand	
73.50	92.00	18.50	Clay	
92.00	94.50	2.50	Clay Kankar	
94.50	99.50	5.00	Fine Medium Sand	Good
99.50	109.00	9.50	Clay	
109.00	115.50	6.50	Fine Medium Sand	Good
115.50	131.00	15.50	Fine Sand	
131.00	142.00	11.00	Clay	



### Conclusions and Recommendations :

1. The Litholog inferred broadly tallies with that of the well-site litholog.
2. The zones are highlighted as Bold appear to be Aquifer Zones for possible development of tubewell.
3. As per thickness of the Aquifer the expected discharge is 80,000 LPH to 1,00,000 LPH.
4. Water Level is 18 mtr. BGL. (Approx).
5. The Quality of water is Good. However, it is recommended to have a chemical and bacteriological analysis of the water sample before using it before human consumption or for any other use.
6. The shallow aquifers are also recommended for development to get good quantity of water.
7. 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.

For Sunrise Water Sources

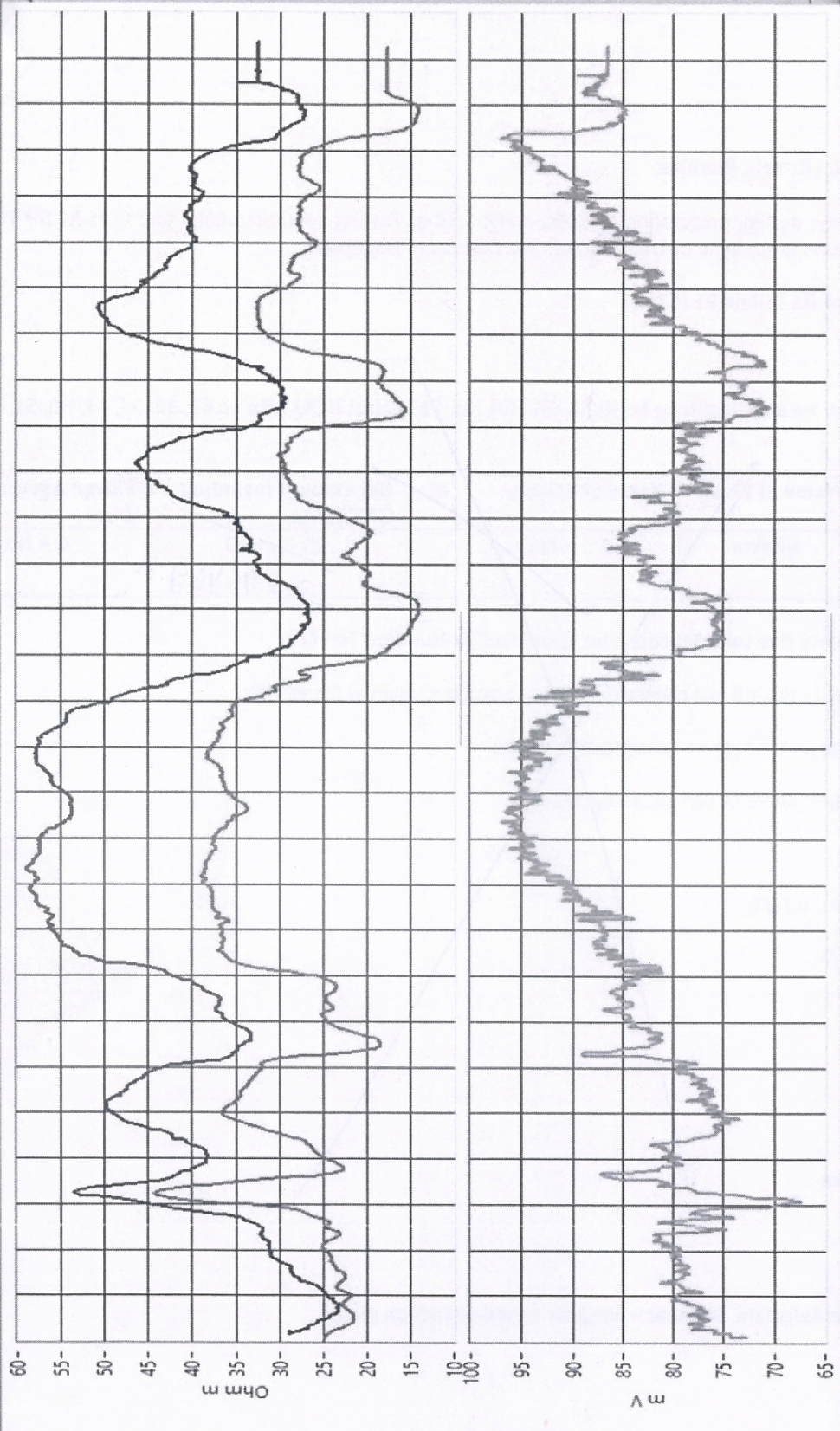
G. Singh  
Auth. Sign.



Rho a  
 N16(SN)  
 N64(LN)  
 LAT

Location: CHASPUR  
 Log No.: LIP LOGGING  
 Date: 28 May 2023  
 Time: 13:58  
 Observer: CH  
 Well Depth: 140 M  
 Notes:

SP



Depth (m)