

# GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Upron Borehole logging system, UPTRON INDIA LTD., LUCKNOW

Ref:GIT:UP: 23-24:LS: 19  
 Dated: 07-04-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Barna Tubewell-2  
 Block: Bihar  
 District: Pratapgarh  
 State: Uttar Pradesh  
 Date of Logging: 05-04-2023  
 Drilling Depth 272.0 m bgl  
 Rm - 16.0 Qm Rv - 14.0 Qm

Borewell Drilled By: M/s Power Mech Project Ltd., Pratapgarh, Uttar Pradesh, India.

Based on the interpretation of Self Potential (SP), Short Normal (N-16"), Long Normal (N-64") and Lateral 6' geophysical logs following informations/granular zones have been deciphered with respect to Salinity only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	29 - 32	03	Good
<del>2.</del>	<del>59 - 63</del>	<del>04</del>	<del>Good</del>
<del>3.</del>	<del>66 - 69</del>	<del>03</del>	<del>Good</del>
<del>4.</del>	<del>82 - 86</del>	<del>04</del>	<del>Good</del>
5.	92 - 94 - 98 - 96	04	Good
<del>6.</del>	<del>102 - 109</del>	<del>07</del>	<del>Good</del>
<del>7.</del>	<del>112 - 115</del>	<del>03</del>	<del>Good</del>
<del>8.</del>	<del>118 - 122</del>	<del>04</del>	<del>Good</del>
<del>9.</del>	<del>134 - 138</del>	<del>04</del>	<del>Good</del>
<del>10.</del>	<del>144 - 148</del>	<del>04</del>	<del>Good</del>
<del>11.</del>	<del>152 - 162</del>	<del>10</del>	<del>Good</del>
<del>12.</del>	<del>178 - 190</del>	<del>12</del>	<del>Good</del>
13.	268 - 273	05	Good

- Note:
1. Fine bands of Kankar are intermixed with almost all the zones.
  2. Zones Sl. No. 4, 6, 9, 11 & 12 are highly intermixed with fine bands of kankar.
  3. Quality of ground water is deteriorating Marginal to Saline in between 194.0 m bgl to 260.0 m bgl.
  4. Predominated Clay is present in depth range 260.0 to 268.0 m bgl.

Verified as per logs provided.

G.Sh  
 08/04/23

For Geo Instruments & Technic's

*S. Shukla*  
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