



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Balrampura/162

Date : 26.03.23

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village – Mahua Dhani, Block – Utraula  
District - Balrampur

**Drilling Depth** : 165 mbgl as Reported by Driller

**Logged Depth** : 160 ~~mbgl~~

**Date of Logging** : 26.03.23

**Types of Log** : S.P. & Resistivity (Normal & Lateral)



**Logger Used** : ~~Upton~~

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Types of strata	$R_{mf}$ & $R_w$
<del>1</del>	<del>24 – 33</del>	<del>9</del>	<del>Good, Fine to medium sand</del>	<del><math>R_{mf} = 23.3 \Omega m</math></del>
<del>2</del>	<del>42 – 51</del>	<del>9</del>	<del>Good, Fine to medium sand</del>	<del><math>R_w = 24 \Omega m</math></del>
<del>3</del>	<del>55 – 58</del>	<del>3</del>	<del>Good, Fine to medium sand</del>	
<del>4</del>	<del>60 – 68</del>	<del>8</del>	<del>Good, Fine to medium sand</del>	
<del>5</del>	<del>76 – 81</del>	<del>5</del>	<del>Good, Fine to medium sand</del>	
<del>6</del>	<del>90 – 94</del>	<del>4</del>	<del>Good, Fine to medium sand</del>	
<del>7</del>	<del>100 – 106</del>	<del>6</del>	<del>Good, Fine to medium sand</del>	
8	110 – 116	6	Good, Fine to medium sand, highly kankar mixed	
<del>9</del>	<del>122 – 128</del>	<del>7</del>	<del>Good, Fine to medium sand</del>	
<del>10</del>	<del>135 – 145</del>	<del>10</del>	<del>Good, Fine to medium sand</del>	

**Remark** : ~~Almost all zones are intermixed with fine bands of kankar.~~

Verified as per  
logs provided  
G.S. Singh  
27/03/23

  
  
(A.K. Singh)  
Geophysicist