



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Balrampur/204

Date : 23.04.23

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village –Milauli Bagaha Jot, Mohan Jot, Block – Utraula  
Distt. – Balrampur

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

**Logged Depth** : ~~150 mbgl~~

**Date of Logging** : 23.04.23

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

**Logger Used** : ~~Uptron~~

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

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Probable Lithology	Remarks	$R_{mf}$ & $R_w$
1	20 – 28	8	Fine to medium sand	Good	<del><math>R_{mf} = 24 \Omega m</math></del>
2	34 – 37	3	Fine to medium sand	Good	<del><math>R_w = 26.2 \Omega m</math></del>
3	47 – 58	11	Fine to medium sand	Good	
<del>4</del>	<del>61 – 67</del>	<del>6</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>5</del>	<del>78 – 85</del>	<del>7</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>6</del>	<del>96 – 102</del>	<del>6</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>7</del>	<del>107 – 115</del>	<del>8</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>8</del>	<del>118 – 122</del>	<del>4</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>9</del>	<del>124 – 127</del>	<del>3</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>10</del>	<del>130 – 136</del>	<del>6</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>11</del>	<del>142 – 147</del>	<del>5</del>	<del>Fine to medium sand</del>	<del>Good</del>	

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

CC: Executive Engineer (E/M Div), U P Jal Nigam (Gramin) Gonda

Verified as per logs provided  
Note: Due to some electrical disturbance logs are noisy so correlate selected strata with drillers lithology.  
gsh  
24/04/23



(A.K. Singh)  
Geophysicist