

# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Balrampura/194

Date : 20.04.23

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Sonpur, Block – Harraiya Satgharwa  
District - Balrampur

Drilling Depth : 280 mbgl as Reported by Driller

Logged Depth : ~~275 mbgl~~

Date of Logging : 20.04.23

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 <sub>mf</sub> & R <sub>w</sub>
<del>1</del>	<del>51 - 56</del>	<del>5</del>	<del>Good. Fine to medium sand</del>	<del>R<sub>mf</sub> = 24 Ωm</del>
<del>2</del>	<del>66 - 70</del>	<del>4</del>	<del>Good. Fine to medium sand</del>	<del>R<sub>w</sub> = 25.8 Ωm</del>
<del>3</del>	<del>84 - 87</del>	<del>3</del>	<del>Good. Fine to medium sand</del>	
<del>4</del>	<del>100 - 106</del>	<del>6</del>	<del>Good. Fine to medium sand</del>	
<del>5</del>	<del>120 - 125</del>	<del>5</del>	<del>Good. Fine to medium sand</del>	
<del>6</del>	<del>157 - 160</del>	<del>3</del>	<del>Good. Fine to medium sand</del>	
<del>7</del>	<del>164 - 168</del>	<del>4</del>	<del>Good. Fine to medium sand</del>	
<del>8</del>	<del>179 - 183</del>	<del>4</del>	<del>Good. Fine to medium sand</del>	
<del>9</del>	<del>197 - 200</del>	<del>3</del>	<del>Good. Fine to medium sand</del>	
<del>10</del>	<del>212 - 215</del>	<del>3</del>	<del>Good. Fine to medium sand</del>	
<del>11</del>	<del>240 - 247</del>	<del>7</del>	<del>Good. Fine to medium sand</del>	
<del>12</del>	<del>260 - 264</del>	<del>4</del>	<del>Good. Fine to medium sand</del>	

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


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

*Seen*  
*[Signature]*  
JUNIOR ENGINEER  
DIVISION OFFICE (E/M)  
U.P. JAL NIGAM RURAL GONDA

*Verified as per  
logs provided*

*G. Sh*  
*21/04/23*

*Seen*  
*[Signature]*  
ASSISTANT ENGINEER  
DIVISION OFFICE (E/M)  
U.P. JAL NIGAM RURAL GONDA

*[Signature]*  
  
(A.K. Singh)  
Geophysicist