

M/s Afcons Infrastructure Ltd																																																																																																	
Regd. Office: Afcons House, 16, Shah Industrial Estate, Veera Desai Road, Azad Nagar P.O., Post Box No. 11978, Andheri (W), Mumbai-400 053.																																																																																																	
Under Jal Jeevan Mission, District - Jaunpur (U.P.)																																																																																																	
Actual TW Assembly of Gariyawan TW, Block:-Mugra Badshahpur, Distt. Jaunpur																																																																																																	
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DETAILS																																																																																																	
1	Date of lowering	21-01-2023																																																																																															
2	Depth of bore 500 Ø	66.00 Mbgl																																																																																															
3	Depth of bore 450 Ø	234.00 Mbgl																																																																																															
4	Housing Pipe 200 Ø	60.00 m																																																																																															
5	Plain Pipe 150 Ø	149.72 m																																																																																															
6	Slotted Pipe 150 Ø	24.08 m																																																																																															
7	200 X 150 mm Ø Reducer	0.200 m																																																																																															
Total Lowering		234.00 M																																																																																															
(.....) Company Repre. M/s Afcons Infrastructure, Jaunpur (U.P.)		(.....) TPIA Medhaj Techno Concept Pvt. Ltd., Jaunpur		(Aditya Singh) Junior Engineer Division Office (E&M), U.P. Jal Nigam (Rural), Varanasi	(Sudhanshu Singh) Assistant Engineer SWSM																																																																																												
(J.K.Gupta) Exe. Engineer Division Office (E&M), U.P. Jal Nigam (Rural), Varanasi																																																																																																	

Name: THE EXECUTIVE ENGINEER, DIVISION OFFICE (E/M), U.P. JAL NIGAM (Rural) VARANASI.

AOL

0.50m

Strata Formation

59.50

160.50

164.50

170.50

173.50

178.50

184.50

192.50

198.50

206.50

209.50

225.50

227.50

233.50

0

5

10

15

20

25

30

35

40

45

50

55

60

65

70

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200

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210

215

220

225

230

235

240

245

250

255

260

265

270

275

280

285

290

295

300

LOGGING REPORT

Date	15.1.23	
Depth Range	Thickness	Remarks
101-108	7	Good ↑ ↓
122-132	10	
137-141	4	
160-165	5	
170-174	4	
178-185	7	
192-199	7	
206-210	4	
225-228	3	

Drilling Started on

Date of Lowering

Tubewell Assembly	Dia	Length
Housing Pipe	200	60.00 mtr
Blind Pipe	150	149.80 mtr
Slotted Pipe	150	24.00 mtr
Reducer	200 X 150	0.20 mtr
TOTAL		234.00 mtr
Depth Drilled		
Bore	Size	

Physical strata

0-18-5 Soil

18-63- Konkcr

63-81- clay

81-87- M.S.

87-95- clay + Konkcr

95-114- M.S.

114-120- clay + Konkcr

120-264- C.S.

264-300- C.S + 1 Konkcr

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: PJM:22-23:LS:1K- 220

Dated: 16-01-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Gariyawan**
Block: **Mungra Badshahpur**
District: **Jaunpur**
State: **Uttar Pradesh**
Date of Logging: **15-01-2023**
Drilling Depth: **305.0 m bgl**
Logging Depth: **295.0 m bgl**
Rm - **6.6 Ω m** Rw - **6.4 Ω m**

Borehole Drilled by: M/s Afcons Infrastructure Ltd. Jaunpur, U.P. 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.	101 - 108	07	Good to moderate
2.	122 - 132	10	Good
3.	137 - 141	04	Good
4.	158 - 165	07	Good
5.	170 - 174	04	Good
6.	178 - 185	07	Good
7.	192 - 199	07	Good
8.	206 - 210	04	Good
9.	225 - 228	03	Good

Note: 1. Fine bands of Kankar are intermixed with almost all the Zones.

2. Quality of Ground water is deteriorating Marginal to saline in between 18.0 to 87.0 and below 242.0 m bgl to till depth logged.

3. Clay and Kankar intercalation is present in depth range 87.0 to 95.0 & 114.0 m to 120.0 m bgl.

4. Zone Sl. No. 7 is highly kankar intermixed.

5. Zone Sl. No. 8 is fine sand and intermixed with Kankar.

Verified as per
logs provided.
Note - Sr No 5-160-165
(5m)

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)

G. Sh
18/01/23