

# GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT-UP: PJM-23-24:LS: 408

Dated: 10-05-2023

Tele Fax : +91-0522-246-5512(O)  
Mob. : +91 - 9415141232, 9554034123  
E-mail : geo.instrument@outlook.com

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Shikarpur  
Block: Siwa  
District: Maharajganj  
State: Uttar Pradesh  
Drilling Depth: 170.0 m bgl  
Logging Depth: 160.0 m bgl  
Date of logging: 09-05-2023  
Rm - 16.0 Qm Rw - 17.0 Qm

Borehole Drilled by: M/s Rithwik - Koya-JV, Maharajganj, U.P.

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)
<del>1</del>	20 - 24	04	Good
<del>2</del>	28 - 32	04	Good
<del>3</del>	35 - 44	09	Good
<del>4</del>	47 - 51	04	Good
<del>5</del>	55 - 59	04	Good
<del>6</del>	60 - 70	10	Good
<del>7</del>	76 - 80	04	Good
<del>8</del>	84 - 91	07	Good
<del>9</del>	150 - 154	04	Good

Note: Fine bands of kankar are intermixed with almost all the zones.

*Verified as per logs provided*

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)

*A. Sr*  
*11/05/23*



# GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: PJM:23-24:LS: 15

Dated: 03-04-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Pakadi Siswa  
Block: Siswa  
District: Maharajganj  
State: Uttar Pradesh  
Drilling Depth: 200.0 m bgl  
Logging Depth: 187.0m bgl  
Date of logging: 02-04-2023  
Rm - 17.5  $\Omega$ m Rw - 18.0  $\Omega$ m

Borehole Drilled by: M/s Rithwik- Koya-JV, Maharajganj, 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.	17 - 21	04	Good
2.	30 - 33	03	Good
3.	36 - 43	07	Good
4.	53 - 67	14	Good
5.	73 - 80	07	Good
6.	91 - 95	04	Good
7.	105 - 108	03	Good
8.	113 - 117	04	Good
9.	122 - 126	04	Good
10.	130 - 136	06	Good
11.	140 - 144	04	Good
12.	162 - 165	03	Good
13.	180 - 184	04	Good

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

2. Zones Sl. No. 4 is highly intermixed with fine bands of kankar.

3. Zone Sl. No. 8 is Fine sand and intermixed with kankar.

Verified as per  
logs provided - *S. Shukla*  
(S. Shukla)

Gish  
03/04/23



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

Ref:GIT:UP: PJM:23-24:LS: 487

Dated: 18-05-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Gonariya  
Block: Siswa  
District: Maharajganj  
State: Uttar Pradesh  
Drilling Depth: 170.0 m bgl  
Logging Depth: 164.0 m bgl  
Date of logging: 18-05-2023  
Rm - 15.0  $\Omega$ m Rw - 18.0  $\Omega$ m

Borehole Drilled by: M/s Rithwik-Koya- (JV), Maharajganj, 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.	20 - 24	04	Good
2.	30 - 33	03	Good
3.	36 - 40	04	Good
4.	42 - 48	06	Good
5.	52 - 56	04	Good
6.	61 - 65	04	Good
7.	68 - 75	07	Good
8.	94 - 97	03	Good
9.	102 - 108	06	Good
10.	120 - 123	03	Good
11.	133 - 140	07	Good

Note: 1. Fine bands of kankar are intermixed with almost all the zones.  
2. Zones Sl. No. 1 & 3 are highly intermixed with fine bands of Kankar.

Verified as per  
logs provided

For Geo Instruments & Technic's  
S. Shukla  
(S. Shukla)

G.Sh  
18/05/23





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# 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:23-24:LS: 700

Dated: 09-06-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Phatakdauna  
 Block: Siswa  
 District: Maharajganj  
 State: Uttar Pradesh  
 Drilling Depth: 210.0 m bgl  
 Logging Depth: 200.0 m bgl  
 Date of logging: 08-06-2023  
 Rm -18.0  $\Omega$ m R<sub>w</sub> -20.0  $\Omega$ m

Borehole Drilled by: M/s Rithwik- Koya- JV, Maharajganj, 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)
<del>1.</del>	37 - 50	13	Good
<del>2.</del>	55 - 75	20	Good
3.	101 - 105	04	Good
<del>4.</del>	131 - 135	04	Good
<del>5.</del>	149 - 155	06	Good
<del>6.</del>	174 - 180	06	Good
<del>7.</del>	185 - 195	10	Good

Note: Fine bands of kankar are intermixed with almost all the zones.

For Geo Instruments & Technic's

*S. Shukla*  
 (S. Shukla)

*Verified as per logs provided.  
 Sr No 1-37-48 (11m)  
 G. Shukla  
 10/06/23*



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(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: PJM:23-24:LS: 403

Dated: 10-05-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

135

Site: Kamhariya  
Block: Siswa  
District: Maharajganj  
State: Uttar Pradesh  
Drilling Depth: 170.0 m bgl  
Logging Depth: 132.0 m bgl  
Date of logging: 09-05-2023  
Rm - 22.0  $\Omega$ m Rw - 21.0  $\Omega$ m

Borehole Drilled by: M/s Rithwik-Koya-JV, Maharajganj, U.P.

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)
<del>1.</del>	20 - 24	04	Good
<del>2.</del>	30 - 43	13	Good
3.	53 - 57	04	Good
<del>4.</del>	65 - 68	03	Good
<del>5.</del>	72 - 79	07	Good
<del>6.</del>	111 - 121	10	Good

Note: Fine bands of kankar are intermixed with almost all the zones.

Verified as per logs provided.

GSh  
11/05/23

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)





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# GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Instrumentation and Exploration)

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

Ref:GIT:UP: PJM:22-23:LS:1K- 212  
Dated: 16-01-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Sofra  
Block: Siswa  
District: Maharajganj  
State: Uttar Pradesh  
Drilling Depth: 184.0 m bgl  
Logging Depth: 164.0m bgl  
Date of logging: 16-01-2023  
Rm - 20.0  $\Omega$ m Rw - 27.0  $\Omega$ m

Borehole Drilled by: M/s Rithwik- Koya-JV, Maharajganj, Uttar Pradesh.

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.	15 - 18	03	Good
2.	32 - 46	14	Good
3.	55 - 70	15	Good
4.	74 - 87	13	Good
5.	114 - 123	09	Good
6.	135 - 139	04	Good
7.	160 - 164	04	Good

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

For Geo Instruments & Technic's

(S. Shukla)





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

Ref:GIT:UP: PJM-22-23:LS:1K- 357

Dated 31-01-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Bagahi  
Block: Siswa  
District: Maharajganj  
State: Uttar Pradesh  
Drilling Depth: 200.0 m bgl  
Logging Depth: 185.0m bgl  
Date of logging: 31-01-2023  
Rm -21.0  $\Omega$ m Rw - 32.0  $\Omega$ m

Borehole Drilled by: M/s Rithwik- Koya-JV, Maharajganj, Uttar Pradesh.

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)
<del>1.</del>	32 - 42	10	Good
<del>2.</del>	53 - 63	10	Good
<del>3.</del>	66 - 76	10	Good
<del>4.</del>	87 - 91	04	Good
<del>5.</del>	104 - 107	03	Good
6.	116 - 119	03	Good
<del>7.</del>	134 - 138	04	Good
<del>8.</del>	146 - 152	06	Good
<del>9.</del>	156 - 162	06	Good
<del>10.</del>	173 - 177	04	Good

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

2. Zone Sl. No. 6 is fine sand in nature.

3. Zone Sl. No. 7 is fine to medium sand in nature.

Verified as per  
logs provided.

GSh  
31/01/23

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)





# 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- 662  
Dated: 01-03-2023

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## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Mathniya  
Block: Siswa  
District: Maharajganj  
State: Uttar Pradesh  
Drilling Depth: 175.0 m bgl  
Logging Depth: 174.0 m bgl  
Date of logging: 28-02-2023  
Rm - 21.0 Qm Rw - 25.0 Qm

Borehole Drilled by: M/s Rithwik- Koya-JV, Maharajganj, 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.	15 - 19	04	Good
2.	35 - 45	10	Good
3.	60 - 72	12	Good
4.	113 - 123	10	Good
5.	130 - 139	09	Good
6.	148 - 152	04	Good
7.	163 - 167	04	Good

- Note: 1. Fine bands of kankar are intermixed with almost all the Zones.  
2. Zones Sl. No. 2 is highly intermixed with fine bands of kankar.  
3. Zones Sl. No. 3 is highly intermixed with very fine bands of kankar.  
3. Zone Sl. No. 7 is fine sand in nature.  
4. Please ensure pre-monsoon water level before lower the well assembly.

*Verified on per logs provided*

*G.Sh  
02/03/23*

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)



# 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- 279

Dated: 22-01-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Khuduri  
Block: Siswa  
District: Maharajganj  
State: Uttar Pradesh  
Date of Logging: 21-01-2023  
Drilling Depth: 205.0 m bgl  
Logging Depth: 201.0 m bgl  
Rm - 18.0  $\Omega$ m Rw - 16.0  $\Omega$ m

Borehole Drilled by: M/s M/S Rithwik- Koya-JV, Maharajganj, Uttar Pradesh.

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)
<del>1.</del>	16 - 20	04	Good
<del>2.</del>	31 - 41	10	Good
(3.)	45 - 52	07	Good
<del>4.</del>	60 - 67	07	Good
<del>5.</del>	71 - 75	04	Good
<del>6.</del>	87 - 91	04	Good
(7.)	107 - 111	04	Good
<del>8.</del>	118 - 125	07	Good
<del>9.</del>	131 - 138	07	Good
<del>10.</del>	143 - 150	07	Good
(11)	162 - 166	04	Good
<del>12.</del>	185 - 198	13	Good

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

2. Zone Sl. No. 2, 3, 9 & 12 are highly intermixed with fine bands of kankar.

*Verified as per logs provided.*

For Geo Instruments & Technic's

*Note - SrNO 8 - 119 - 125 (6m)  
SrNO 9 - 133 - 138 (5m)  
SrNO 10 - 144 - 150 (6m)*

*S. Shukla*  
(S. Shukla)

*G.S.*