

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)
1	20 - 24	04	Good
2	28 - 32	04	Good
3	35 - 44	09	Good
4	47 - 51	04	Good
5	55 - 59	04	Good
6	60 - 70	10	Good
7	76 - 80	04	Good
8	84 - 91	07	Good
9	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 Ω m Rw - 18.0 Ω 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*
For Geo Instruments & Technic's
(S. Shukla)

Gish
03/04/23

Geo
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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: 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 Ω m Rw - 18.0 Ω 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
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G.Sh
18/05/23



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Sales & Service Dealer : Upron 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 Ω m R_w -20.0 Ω 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.	37 - 50	13	Good
2.	55 - 75	20	Good
3.	101 - 105	04	Good
4.	131 - 135	04	Good
5.	149 - 155	06	Good
6.	174 - 180	06	Good
7.	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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GEO INSTRUMENTS & TECHNIC'S

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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 Ω m Rw - 21.0 Ω 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)
1.	20 - 24	04	Good
2.	30 - 43	13	Good
3.	53 - 57	04	Good
4.	65 - 68	03	Good
5.	72 - 79	07	Good
6.	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

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GEO INSTRUMENTS & TECHNIC'S

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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 Ω m Rw - 27.0 Ω 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.

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GEO INSTRUMENTS & TECHNIC'S

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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 Ω m Rw - 32.0 Ω 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.	32 - 42	10	Good
2.	53 - 63	10	Good
3.	66 - 76	10	Good
4.	87 - 91	04	Good
5.	104 - 107	03	Good
6.	116 - 119	03	Good
7.	134 - 138	04	Good
8.	146 - 152	06	Good
9.	156 - 162	06	Good
10.	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

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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: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 Ωm Rw - 16.0 Ωm

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

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GEO INSTRUMENTS & TECHNIC'S

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

Ref:GIT:UP: PJM:22-23:LS:1K-484
Dated: 12-02-2023

GÉOPHYSICAL BOREHOLE LOGGING REPORT

Site: Sonbarsa
Block: Siswa
District: Maharajganj
State: Uttar Pradesh
Drilling Depth: 210.0 m bgl
Logging Depth: 163.0m bgl
Date of logging: 11-02-2023
Rm - 18.0 Ω m Rw - 17.0 Ω 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.	29 - 35	06	Good
2.	38 - 45	07	Good
3.	55 - 59	04	Good
4.	62 - 72	10	Good
5.	80 - 83	03	Good
6.	90 - 94	04	Good
7.	101 - 105	04	Good
8.	123 - 130	07	Good
9.	140 - 146	06	Good
10.	152 - 158	06	Good

Note: 1. Fine bands of kankar are intermixed with almost all the Zones.
2. Zone Sl. No. 4 is highly intermixed with fine bands of kankar.

Verified as per logs provided.

G.Sh
14/02/23

For Geo Instruments & Technic's

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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:22-23:LS: **IK 59**
Dated: 29-12-2022

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Baulia Babu**
Block: **Siswa Bazar**
District: **Maharajganj**
State: **Uttar Pradesh**
Date of Logging: **29-12-2022**
Drilling Depth: **200.0 m bgl**
Logging Depth: **160.0 m bgl**
Rm - **26.0 Ω m** Rw - **19.0 Ω 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.	33 - 43	10	Good
2.	46 - 52	06	Good
3.	60 - 63	03	Good
4.	69 - 79	10	Good
5.	89 - 93	04	Good
6.	110 - 120	10	Good
7.	129 - 136	07	Good
8.	145 - 152	07	Good

Note: Very Fine bands of Kankar are intermixed with Zones Sl. No. 1, 2 & 8.

Verified as per logs provided

*G. Sh
30/12/22*

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: PJM:22-23:LS:1K-426
Dated: 07-02-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Pokharbind
Block: Siswa
District: Maharajganj
State: Uttar Pradesh
Drilling Depth: 170.0 m bgl
Logging Depth: 165.0m bgl
Date of logging: 06-02-2023
Rm - 19.0 ~~2~~m Rw - 24.0 ~~2~~m

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

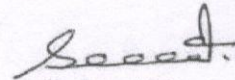
Based on the interpretation of Self Potential (SP), Short Normal (N-16"), Long Normal (N-64") and Lateral (L) geophysical logs following informations/granular zones have been deciphered with respect to Salinity only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	19 - 23	04	Good
2.	35 - 45	10	Good
3.	52 - 65	13	Good
4.	68 - 78	10	Good
5.	109 - 113	04	Good
6.	116 - 120	04	Good
7.	141 - 145	04	Good

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

Verified as per logs provided
Note - Sr No 6-116-119 (3m)
↓
Gsh
07/02/23

For Geo Instruments & Technic's


(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-124
Dated: 06-01-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Ratanpur
Block: Siswa
District: Maharajganj
State: Uttar Pradesh
Drilling Depth: 200.0 m bgl
Logging Depth: 163.0m bgl
Date of logging: 06-01-2023
Rm - 30.0 Ω m Rw - 60.0 Ω 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.	16 - 22	04	Good
2.	32 - 42	10	Good
3.	56 - 63	07	Good
4.	68 - 74	06	Good
5.	116 - 120	04	Good
6.	130 - 134	04	Good
7.	157 - 161	04	Good

- Note: 1. Fine bands of Kankar are intermixed with almost all the Zones.
2. Zone Sl. No. 3 is highly intermixed with Kankar.
3. Zone Sl. No. 7 is fine to medium sand in nature.

Verified as per logs provided.

*G.P.
07/01/23*

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)