

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:K- 412
Dated: 02-11-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Luthhava
Block: Nautanwa
District: Maharajanj
State: Uttar Pradesh
Date of Logging: 02-11-2023
Drilling Depth: 250.0 m bgl
Logging Depth: 243.0 m bgl
Rm - 23.0 Ω m Rw - 48.0 Ω m
Latitude: 27.408775 Longitude: 83.542951

Borehole Drilled by: M/s Ritwik Koya (JV), Maharajanj, Uttar Pradesh.

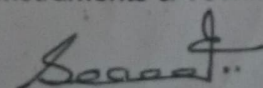
Based on the interpretation of Self Potential (SP), Short Normal (N-16"), Long Normal (N-64") and Lateral 6' Geophysical Logs, following informations/granular zones have been deciphered with respect to Salinity only:

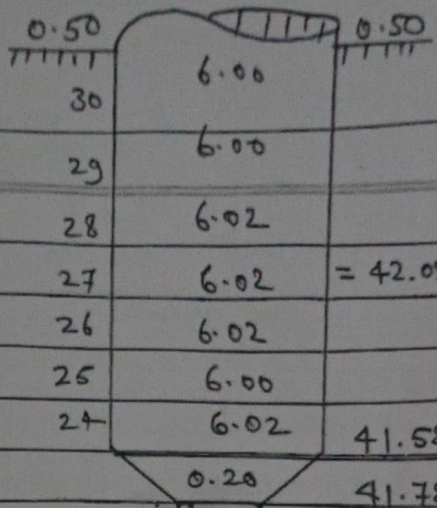
Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	15 - 22	07	Good
2.	31 - 35	04	Good
3.	38 - 42	04	Good
4.	45 - 50	05	Good
5.	71 - 75	04	Good
6.	82 - 86	04	Good
7.	91 - 95	04	Good
8.	112 - 118	06	Good
9.	121 - 125	04	Good
10.	132 - 139	07	Good
11.	157 - 164	07	Good
12.	187 - 200	13	Good
13.	220 - 224	04	Good
14.	227 - 231	04	Good

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Zones Sl. No. 2, 3, 4, 7, 13 & 14 are highly intermixed with fine bands of kankar.
3. Zone Sl. No. 6 & 13 are Fine Sand in Nature.



For Geo Instruments & Technic's

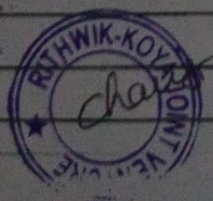

(S. Shukla)



JIMETT	30	6.00	
G.P. - Lutthawa	29	6.00	
Block! - Nautanwa, Maharajganj	28	6.02	
Drilling Depth! - 250, 500 x 500	27	6.02	= 42.08
Logging Depth! - 241,	26	6.02	
Logging Date! - 02-11-23	25	6.00	
IPM = .300, 200 x 150, 18 mtr galated	24	6.02	41.58
Date! - 04-11-23		0.20	41.78

Logging Report

	23	6.04	
	22	6.03	
	21	6.02	
① 15-22 = 07	20	6.03	
② 31-35 = 04	19	6.03	= 70.22
③ 38-42 = 04	18	6.02	
④ 45-50 = 05	17	6.03	
⑤ 71-75 = 04	16	6.03	
⑥ 82-86 = 04	15	6.03	
⑦ 91-95 = 04	14	3.89	
⑧ 112-118 = 06 = 06	13	6.04	
⑨ 121-125 = 04	12	6.03	112.00
⑩ 132-139 = 07 = 06	11	6.00	118.00
⑪ 157-164 = 07 = 06	10	6.03	
⑫ 187-200 = 13	9	2.44	= 14.5
⑬ 220-224 = 04	8	6.03	132.50
⑭ 227-231 = 04	7	6.03	138.53
	6	6.04	
	5	6.02	
Cutting 150mm plain pipe	4	3.59	= 18.97
① 6.03 - 2.44 = 3.59	3	3.32	157.50
② 6.03 = 2.89 = 2.14 ^x	2	6.03	163.53
③ 6.03 = 3.32 = 2.71 ^x			
Total Logging = 170.06 mtr	1	6.03	169.56
			+ 0.5
			170.06



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RITHWIK - KOYA (JV)
SWSM PROJECT, GORAKHPUR, U.P.
STRATA CHART

COVER AGREEMENT NO. :-

NAME OF DISTRICT:-

MAHARAJGANJ

SCHEME NAME :-

LUTHAHWA

NAME OF ACTIVITY:-

CONST. OF TUBEWELL

BLOCK NAME:-

NAUTANWA

Depth B.G.L. Meter	Boring Chart	Starts	Executed Assembly	ASSEMBLY DETAILS
				200 mm Dia Housing Pipe to 41.50 M
				200 X150 mm Reducer From 41.50 M to 41.78 M
15.00	clay	6.00		150mm Dia Plain Pipe From 41.78 M to 112.00M
22.00	Medium sand	6.00		150mm Dia Slotted Pipe From 112.00 M to 118.00M
31.00	clay	6.02		150mm Dia Plain Pipe From 118.00 M to 132.50 M
35.00	Medium sand	6.02		150mm Dia Slotted Pipe From 132.50 M to 138.53M
38.00	clay	6.02		150mm Dia Plain Pipe From 138.53 M to 157.50 M
42.00	Medium sand	6.00		150mm Dia Slotted Pipe From 157.50 M to 163.53M
45.00	clay	6.02	41.50	150mm Dia Plain Pipe From 163.53 M to 169.56 M
50.00	Medium sand			150mm Dia Slotted Pipe From M to M
71.00	clay		41.78	150mm Dia Plain Pipe From M to M
75.00	Medium sand			150mm Dia Slotted Pipe From M to M
82.00	clay			150mm Dia Plain Pipe From M to M
86.00	Medium sand			150mm Dia Slotted Pipe From M to M
112.00	Fine sand			150mm Dia Plain Pipe From M to M
118.00	clay			150mm Dia Slotted Pipe From M to M
132.50	Medium sand			150mm Dia Plain Pipe From M to M
138.53	clay			150mm Dia Slotted Pipe From M to M
157.50	Medium sand			150mm Dia Plain Pipe From M to M
163.53	clay			150mm Dia Slotted Pipe From M to M
169.56	Fine sand			
200.00	clay			
220.00	Fine sand			
240.00	clay			
250.00	clay			
				Total Assembly:- 169.56 M+AGL 0.5= 170.06M
ABSTRACT				
Date of Lowering:-				04.11.23
LPM:-				300
Drilling Depth:-				250.00 M
Assembly Lowered:-				170.06 M
Housing Pipe:-				42.08 M
Plain Pipe:-				109.72 M
Slotted Pipe:-				18.06 M
Reducer:-				0.20 M
LOGGING REPORT				
Date of Logging:-				2-11-23
Logging Depth:-				
① 15-22 = 07		⑪ 157-164 = 07		
② 31-35 = 04		⑫ 187-200 = 13		
③ 38-42 = 04		⑬ 220-224 = 04		
④ 45-50 = 05		⑭ 227-231 = 04		
⑤ 71-75 = 04				
⑥ 82-86 = 04				
⑦ 91-95 = 04				
⑧ 112-118 = 06				
⑨ 121-125 = 04				
⑩ 132-139 = 07				



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TAX INVOICE

GSTIN Number :- 09AAIAR3728H1Z8

Details of Receiver (Billed to)	Details of Consignee (Shipped to)	Date:-
STATE WATER AND SANITATION MISSION 6 - Rana Pratap Marg, Lucknow Uttar pradesh - 226030 GST Reg. no : 09LKNU05067G1D0	STATE WATER AND SANITATION MISSION 6 - Rana Pratap Marg, Lucknow Uttar pradesh - 226030 GST Reg. no : 09LKNU05067G1D0	Proforma Invoice No.- Rithik-koya JV/RPPL/Mrj/erection(E&M)2023- 24/233/RA06LUTHAHWA RA BILL-RA06LUTHAHWA

Contract Agreement No. 18/ED/Phase-32021-22 Dt. 07-01-2022

Cover Agreement No. 733/ED/PHASE-3/ 2022-23/14, 13/04/2023

Description	HSN/SAC Code	Qty	Rate	Amount	IGST		CGST		SGST		TOTAL
					Rate	Amount	Rate	Amount	Rate	Amount	
Survey, Design, Preparation of DPR, Construction, commissioning and O&M for 10 years of various Rural Water Supply Projects in the State of Uttar Pradesh as per Request for Proposal including all the taxes, duties, local charges etc. but excluding GST which shall be paid separately on prevailing rates for Division - GORAKHPUR				1624116.83			9%	146171.00	9%	146171.00	1916458.83
SCHEME ID-20094410 GP LUTHAHWA											

BANK DETAILS		Taxable Value	A	1624116.83
BANK NAME	Indin bank	Add: CGST	B	146171
A/C NO:	7229322394	Add: SGST	C	146171
IFSC CODE	IDIB000H013	Add: IGST	D	
BRANCH NAME	Hyderabad Main	Total GST	E	292342
PAN NO	AAIAR3728H	Total Amount after GST	F = (A+E)	1916459.00
		Round off if any	G (+/-)	0.00
		NET PAYABLE	H = F + G	1916459.00

For RITHWIK-KOYA JOINT VENTUR



Item No.	Item Description	UOM	SWSM Rates	Discounted Rates @ 0.05%	Quantity	Amount	% of Payment allowed	Proposed billing Breakup	% of Payment	Previous bill		This Bill		Up to Date		
										Quantity	Amount	Quantity	Amount	Quantity	Amount	
	MSSI Clamp- As per IS 2800															
3.24	2000 mm ø MS S.I. Clamp	No.	2000.00	1,998.80	1.00	1,998.80			90.00%			1.00	1,798.92	1.00	1,798.92	
3.25	3000 mm ø MS S.I. Clamp	No.	4,050.00	4,047.57												
	TW Assy Support-															
3.28	2000 mm ø Tubewell Assembly Support	No.	15,500.00	15,490.70	1.00	15,490.70			90.00%			1.00	13,941.63	1.00	13,941.63	
3.29	3000 mm ø Tubewell Assembly Support	No.	17,500.00	17,489.50												
	MS Well Cap-															
3.32	2000 mm ø MS Well Cap	No.	1350.00	1,349.19	1.00	1,349.19			90.00%			1.00	1,214.27	1.00	1,214.27	
3.33	3000 mm ø MS Well Cap	No.	1,550.00	1,549.07												
	Centre Guide-															
3.34	Center guide for 150mm øTW Assembly	No.	920.00	919.45	8.00	7,355.60			90.00%			5.00	4,137.53	5.00	4,137.53	
4.00	Lowering of above Tubewell assembly including Carrying upto site and welding of parts complete in all respect with all required material T&P labour etc.															
	Lowering up to 100 Mtr. Deep															
4.02	150 MMØ MSERW Plane/Slotted Pipe	Mtr.	308.00	307.82	58.00	17,853.56			90.00%			57.92	16,046.04	57.92	16,046.04	
4.03	200 MMØ MSERW Plane/Slotted Pipe	Mtr.	374.00	373.78	42.00	15,698.76			90.00%			42.00	14,128.98	42.00	14,128.88	
4.04	300 MMØ MSERW Plane/Slotted Pipe	Mtr.	472.00	471.72												
	Lowering from 101 Mtr. To 200 Mtr. Deep															
4.06	150 MMØ MSERW Plane/Slotted Pipe	Mtr.	376.00	375.78	130.00	48,851.40			90.00%			70.06	23,694.43	70.06	23,694.43	
4.07	Logging of Borehole by Electric logging	Job	18,000.00	17,989.20	1.00	17,989.20			90.00%			1.00	16,190.28	1.00	16,190.28	
4.17	Supplying and unconsolidated packing of gravel with suitable size	Cum	7,500.00	7,495.50	66.67	499,724.99			90.00%			63.71	429,784.47	63.71	429,784.47	
4.08	Charges for Development of Tube well including transportation, disassembling of compressor															
4.01	150 PSI Compressor per hour	Hr.	3,050.00	2,648.17	0.00	0.00										
4.02	250 PSI Compressor per hour	Hr.	3,650.00	2,647.81	0.00	0.00										
4.03	350 PSI Compressor per hour	Hr.	4,250.00	4,247.45	50.00	212,372.50			90.00%			48.55	185,592.33	48.55	185,592.33	
4.04	450 PSI Compressor per hour	Hr.	5,300.00	5,496.70	0.00	0.00										
4.05	Charges for Development of TW by 0.5 Cmsc. OP/Unit	Hr.	840.00	839.50	0.00	0.00										
4.06	Charges for Development of TW by 1 cmsc. OP/Unit	Hr.	1,125.00	1,124.33	90.00	101,180.70			90.00%			0.00	0.00	0.00		
4.07	Charges for Development of TW by 3 cmsc. OP/Unit	Hr.	1,405.00	1,404.16	0.00	0.00										
	TOTAL												1,624,116.83		1,624,116.83	
	GRAND TOTAL(Round fig.)												1,624,116.83		1,624,116.83	

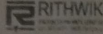


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RITHWIK KOYA

Chait
JE (E&M)

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AE (E&M)

EE (E&M)



RITHWIK-KOYA JV
STATE WATER AND SANITATION MISSION
CLIENT - JJM/SWSM/DWSM
TPI- MTCPL
LOG SHEET- AIR COMPRESSOR



Har Ghar Jal
Jal Jeevan Mission

NAME OF GRAM PANCHAYAT :-				LUTHAHWA								DATE- 13.12.2023 TO 19.12.2023				
NAME OF BLOCK				NAUTANAWA								DISCHARGE 500 LPM				
DISTRICT				MAHARAJGUNJ								DISCHARGE MEASURED BY 90 DEGREE V NOTCH TANK				
DATE	START	STOP	HOURS	AIRLINE LOWERED (M)	STARTING PRESSURE (Kg/Cm2)	RUNNING PRESSURE (Kg/Cm2)	DEPRESSION		DISCHARGE		SAND CONTENTS IN PPM					REMARKS
							Kg/Cm2	M	INCH	LPM	STARTING	5 MIN	10 MIN	15 MIN	20 MIN	
13.12.2023	4:25	7:50	3:25	66	6.90	6.42	0.48	4.80	4.25	331	LARGE AMOUNT OF SAND AND MUD					
13.12.2023	8:00	10:20	2:20	69	7.30	6.79	0.51	5.10	4.5	382						
13.12.2023	10:25	12:40	2:15	102	10.50	9.95	0.55	5.50	5	494						
14.12.2023	12:50	14:35	1:45	105	10.90	10.41	0.49	4.90	5.25	560						
14.12.2023	14:00	16:20	2:20	111	11.40	10.89	0.51	5.10	5.75	699						
14.12.2023	16:30	18:30	2:00	132	13.60	13.04	0.56	5.60	6	779	15750	14750	13750	12750	11750	
15.12.2023	5:20	7:40	2:20	144	14.70	14.16	0.54	5.40	6	779	14250	13200	12250	11500	10500	
15.12.2023	7:50	10:25	2:35	156	16.00	15.49	0.51	5.10	5.75	699	12700	11650	11000	10250	9500	
15.12.2023	10:30	12:50	2:20	156	15.90	15.41	0.49	4.90	5.25	560	11150	10150	9750	9000	8500	
16.12.2023	13:00	14:40	1:40	144	14.80	14.28	0.52	5.20	5	494	9750	8900	8500	7750	7500	
16.12.2023	15:20	17:25	2:05	132	13.50	13.02	0.48	4.80	4.5	382	8500	7650	7250	6750	6500	
16.12.2023	17:30	19:45	2:15	111	11.50	10.99	0.51	5.10	4.25	331	7500	6650	6250	5750	5500	
17.12.2023	5:20	7:50	2:30	105	10.80	10.24	0.56	5.60	4.5	382	6500	5650	5250	4750	4500	
17.12.2023	8:00	10:30	2:30	102	10.60	10.09	0.51	5.10	5	494	5750	4900	4500	4000	3750	
17.12.2023	10:40	12:20	1:40	69	7.20	6.72	0.48	4.80	5.25	560	5000	4150	3750	3250	3000	
17.12.2023	13:30	15:20	1:50	66	7.00	6.51	0.49	4.90	5.75	699	4500	3650	3250	2750	2500	
18.12.2023	15:30	17:10	1:40	69	7.20	6.72	0.48	4.80	6	779	4000	3150	3000	2500	2250	
18.12.2023	17:20	19:20	2:00	102	10.60	10.08	0.52	5.20	4.25	331	3500	2900	2750	2250	2100	
18.12.2023	7:10	9:50	2:40	105	10.80	10.24	0.56	5.60	4.5	382	3000	2650	2500	2100	1950	
19.12.2023	10:00	12:35	2:35	114	11.80	11.32	0.48	4.80	4.25	331	2500	2400	2300	1950	1700	
19.12.2023	13:00	15:30	2:30	135	13.80	13.27	0.53	5.30	5.25	560	2300	2100	2100	1850	1600	
19.12.2023	15:40	17:20	1:40	159	16.20	15.70	0.50	5.00	6	779	2000	1900	1950	1750	1550	
TOTAL			48:55:00													



Medhaj
TPI(M/S Medhaj)

Medhaj
CLIENT (JAL NIGAM)
(RURAL)



RITHWIK-KOYA JV

STATE WATER AND SANITATION MISSION

CLIENT-JJM/SWSM/DWSM

TPI-MTCPL

YIELD TEST REPORT BY AIR COMPRESSOR MACHINE

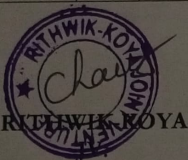


Har Ghar Jal
Jal Jeevan Mission

GIRGITYA
PANIYARA

LUTAHAWA
NAUTANAWA

1	DATE OF TESTING :		19.12.2023	5	SPEED	1400 RPM										
2	TUBEWELL DEVELOPED BY		350 PSI AIR COMPRESSOR	6	DEPTH OF TUBE WELL	170.06										
3	TUBEWELL SIZE		200 X150 MM	7	SWL	5.2										
4	DISCHARGE MEASURED BY		90° V NOTCH TANK	8	LPM	300										
DATE	START	STOP	HOURS	AIRLINE LOWERED (M)	STARTING PRESSURE (Kg/Cm2)	RUNNING PRESSURE (Kg/Cm2)	DEPRESSION		DISCHARGE		SAND CONTENTS IN PPM				REMARKS	
							Kg/Cm2	M	INCH	LPM	STARTING	5 MIN	10 MIN	15 MIN		20 MIN
19.12.2023	10:00	12:35	2:35	114	11.80	11.32	0.48	4.80	4.25	331	2500	2400	2300	1950	1700	
19.12.2023	13:00	15:30	2:30	135	13.80	13.27	0.53	5.30	5.25	560	2300	2150	2100	1850	1600	
19.12.2023	15:40	17:20	1:40	159	16.20	15.70	0.50	5.00	6	779	2000	1900	1950	1750	1550	



RITHWIK-KOYA

Medhaj

TPI(M/S Medhaj)

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CLIENT (JAL
NIGAM)
(RURAL)