

Name Of GP: **Bakauli Kala**

BLOCK: **Hainser Bazar**

DIST. - Sant Kabir Nagar

DEPTH OF STRATA M.B.G.L		PROPOSED LOWERED ASSEMBLY		DPR DETAILS			
0	Soil	6.05	0.50m GL	SI Lowering Date -	15-04-2023		
17	Sand + FK	6.01		1 Tubewell Discharge in LPM	800 LPM		
23	Clay	6.05		2 Drilling Depth	160 m		
28	Sand + FK	6.06		Di Dia	600mm φ - 40m		
32	Clay	6.03		Dia	500mm φ - 120m		
35	Sand + FK	1.06	35.71m	3 Tubewell Assembly Size	300 x 150 mm φ		
39	H. Clay	6.01	0.20	Depth Logged -	Date of Logging -		
52	M. Sand + HFK	3.00	35.91m	SI	Depth Range Mbgf		
59	Clay	6.01		Thickness in Mtr.	Remarks.		
68	F. Sand + FK	6.00	55.00m	1	17-23	All good	
72	Clay	6.00	59.00m	2	28-32		
115	M. Sand + FK	6.01	68.01m	3	35-39		
121	H. Clay	6.01	72.01m	4	52-59		
134	M. Sand + FK	6.01	72.01m	5	68-72		
141	H. Clay	6.01	115.01m	6	115-121		
160	H. Clay	3.00	143.05m	7	134-141		
Total Depth-				AGL+0.50M + 0.50		Total assembly- 143.55m	
TOTAL Assembly-				143.55m		Total assembly- 143.55m	
MEIL (QC)				TPI (FICHTNER)		CLIENT(SWSM/UPJN)	

SI	Depth Range Mbgf	Thickness in Mtr.	Remarks.
1	17-23	6	All good
2	28-32	4	
3	35-39	4	
4	52-59	7	
5	68-72	4	
6	115-121	6	
7	134-141	7	

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

ASSEMBLY DETAILS			
300	mm Dia Housing Pipe A.G.L	0.50m	
300	mm Dia Housing Pipe B.G.L	35.71m	
300x150	mm Dia Reducer	35.71m	to 35.91m
150	mm Dia Plain Pipe	35.91m	to 55.00m
150	mm Dia Slotted Pipe	55.00m	to 59.00m
150	mm Dia Plain Pipe	59.00	to 68.01m
150	mm Dia Slotted Pipe	68.01m	to 72.01m
150	mm Dia Plain Pipe	72.01m	to 115.01m
150	mm Dia Slotted Pipe	115.01m	to 121.02m
150	mm Dia Plain Pipe	121.02m	to 134.03m
150	mm Dia Slotted Pipe	134.03m	to 140.05m
150	mm Dia Plain Pipe	140.05m	to 143.05m
	mm Dia Pipe		to
	mm Dia Pipe		to
	mm Dia Pipe		to
	mm Dia Pipe		to
	mm Dia Pipe		to
	mm Dia Pipe		to

Total assembly-	143.05	Mtr. + A.G.L =	143.55m
3- Proposed Assembly for lowering			
(1)	300MM DIA MSERW HOUSING PIPE	=	36.21m ✓
(2)	200MM DIA MSERW HOUSING PIPE	=	
(3)	150MM DIA MSERW PLAIN PIPE	=	87.11m ✓
(4)	150MM MSERW SLOTTED PIPE	=	20.03m ✓
(5)	300/150 REDUCER	=	0.20m
(6)	200/150 REDUCER	=	
(7)	300MM DIA WELL CAP	=	
(8)	200MM DIA WELL CAP	=	
(9)	150MM DIA CENTRE GUIDE	=	
(10)	MM DIA BORE DIGGING	=	
(11)	MM DIA BORE DIGGING	=	
(12)	Gravel Packing	=	

# 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:23-24:LS: 112

Dated: 12-04-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Bakauli Kala  
Block: Hasiar Bazar  
District: Sant Kabir Nagar  
State: Uttar Pradesh  
Drilling Depth: 149.0 m bgl  
Logging Depth: 146.0 m bgl  
Date of logging: 11-04-2023  
Rm - 29.0 Qm Rw - 36.0 Qm

Borehole Drilled by: M/s Megha Engineering & Infrastructure Ltd.  
Sant Kabir Nagar, 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.	17 - 23	06	Good
2.	28 - 32	04	Good
3.	35 - 39	04	Good
4.	52 - 59	07	Good
5.	68 - 72	04	Good
6.	115 - 121	06	Good
7.	134 - 141	07	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  
3. Zone Sl. No. 5 is fine Sand in nature.  
4. Zone Sl. No. 6 is fine to medium Sand in nature.

For Geo Instruments & Technic's

  
(S. Shukla)

*Verified as per logs provided*  
*Note: S.No 4 - 55-59 (4m)*  
*G. Shukla*  
*12/04/23*