

Name Of GP: **Pach Pokhri**

BLOCK: **Baghauli**

DIST. - Sant Kabir Nagar

DEPTH OF STRATA M.B.G.L		PROPOSED LOWERED ASSEMBLY		DPR DETAILS			
0	Soil	6.05	0.50m GL	SL Lowering Date -	14/04/2023		
43	Sand + FK	6.05	XXX	1 Tubewell Discharge in LPM	850 LPM		
54	Clay	6.06	35.83	2 Drilling Depth	162 m Di Dia- 600mm ± 40m Dia- 500mm ± 122m		
65		6.06		36.03	3 Tubewell Assembly Size	300 X 150 mm φ	
75	M. Sand + FK	0.20	65.00		Depth Logged-	Date of Logging -	
104	Clay	6.00		75.00	SI	Depth Range Mbgl	Thickness in Mtr.
108		6.00	104.00		1	43 - 54	11
114	M. Sand + FK	6.00		2	65 - 75	10	
121	Clay	6.00	108.00	3	104 - 108	4	
141		6.00		4	114 - 121	7	
145	M. Sand + FK	6.00	141.05	5	141 - 145	4	
147	H. Clay	6.00		145.05	6	147 - 151	4
151		5.00	7				
151	Clay	6.01	148.05	8			
162		3.00		9			
Total Depth-				AGL+0.50M +0.50			
TOTAL Assembly -				148.55			

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

ASSEMBLY DETAILS

300 mm Dia Housing Pipe A.G.L	0.50 m
300 mm Dia Housing Pipe B.G.L	35.83 m
300X150 mm Dia Reducer	35.83 m to 36.03 m
150 mm Dia Plain Pipe	36.03 to 65.00 m
150 mm Dia Slotted Pipe	65.00 to 75.00 m
150 mm Dia Plain Pipe	75.00 to 104.00 m
150 mm Dia Slotted Pipe	104.00 to 108.00 m
150 mm Dia Plain Pipe	108.00 to 114.01 m
150 mm Dia Slotted Pipe	114.01 to 120.02 m
150 mm Dia Plain Pipe	120.02 to 141.05 m
150 mm Dia Slotted Pipe	141.05 to 145.05 m
150 mm Dia Plain Pipe	145.05 to 148.05 m

3- Proposed Assembly for lowering

(1) 300MM DIA MSERW HOUSING PIPE	= 36.33 m ✓
(2) 200MM DIA MSERW HOUSING PIPE	=
(3) 150MM DIA MSERW PLAIN PIPE	= 88.01 m ✓
(4) 150MM MSERW SLOTTED PIPE	= 24.01 m ✓
(5) 300/150 REDUCER	= 0.20 m
(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	=
Total assembly-	148.55 m

*Sumit*  
MEIL (QC)

*Dajan*  
TPI (FICHTNER)

*[Signature]*  
CLIENT(SWSM/UPJN)

# 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: 105

Dated: 11-04-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Pachpokhari  
Block: Baghauli  
District: Sant Kabir Nagar  
State: Uttar Pradesh  
Drilling Depth: 162.0 m bgl  
Logging Depth: 162.0 m bgl  
Date of logging: 09-04-2023  
Rm - ~~46.0 Ωm~~ Rw - ~~50.0 Ωm~~

Borehole Drilled by: M/s MEIL 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)
<del>1.</del>	43 - 54	11	Good
<del>2.</del>	65 - 75	10	Good
<del>3.</del>	104 - 108	04	Good
<del>4.</del>	114 - 121	07	Good
<del>5.</del>	141 - 145	04	Good
<del>6.</del>	147 - 151	04	Good

Note: 1. Fine bands of Kankar are intermixed with almost all the zones.  
2. Zone SI No. 6 is highly intermixed with fine bands of kankar.

Verified as per  
logs provided

G.Sh  
12/04/23

For Geo Instruments & Technic's

  
(S. Shukla)