

PROPOSED ASSEMBLY DETAILS

DPR DETAILS

31.10.2023

DEPTH OF STRATA		G.P.-	RATANPUR					
BLOCK-		NAUTANWA						
0.00	Soil	6.01	0.50	6.1				
6.00		6.02	36.12					
		6.01						
		6.03						
24.00		6.02			35.62			
29.00	6.03							
	M. Sand	0.20	0.20	35.82				
34.00	K+F. Sand	6.01	28.08					
		6.02						
58.00	F. sand	6.03			63.90			
		6.02						
63.00		4.00						
72.00	M. Sand		6.01	6.01				
			36.09	69.91				
82.00	K+F. Sand	6.01		106.00				
		6.03						
101.00	Clay+kan.	6.01			6.01	112.01		
		6.01						
		6.02						
112.00	M. Sand	6.01	6.01	118.02				
118.00	F. sand						6.01	124.03
		6.01						
126.00	M. sand				24.06	148.09		
143.00	F. Sand	6.02						
		6.01						
		6.02						
159.00	M. Sand	6.01	6.02	160.12				
					+	0.50		
K+F. Sand	6.02	160.62						

195
200.00

SL	Lowering Date	700
1	Water Discharge in LPM	198
2	Bore well Drilling	
3	Borewell Size 600*500 mm Dia	198
4	Tube well Assembly Size-	180
5	300MM Dia	200MM Dia
6	36	150MM Dia
		144

1- LOGGING REPORT

SL	Depth Logged- MBGL			Thickness in Mtr.	Remarks
1	24	-	34	10	GOOD
2	34	-	46	12	GOOD
3	50	-	57	7	GOOD
4	63	-	65	2	GOOD
5	102	-	88	-14	GOOD
6	144		115	-29	GOOD

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4	63	-	88	-14	GOOD
5	102	-	115	-29	GOOD
6	144				

2- ASSEMBLY DETAILS

2- ASSEMBLY DETAILS							0.50
200 MM DIA HOUSING PIPE A.G.L.							36.12
200 MM DIA HOUSING PIPE							35.82
200 MM DIA REDUCER PIPE					35.62	TO	63.90
150 MM DIA	PLAIN	PIPE	35.82	TO			69.91
150 MM DIA	SCREEN	PIPE	63.90	TO			106.00
150 MM DIA	PLAIN	PIPE	69.91	TO			112.01
150 MM DIA	SCREEN	PIPE	106.00	TO			118.02
150 MM DIA	PLAIN	PIPE	112.01	TO			124.03
150 MM DIA	SCREEN	PIPE	118.02	TO			148.09
150 MM DIA	PLAIN	PIPE	124.03	TO			154.10
151 MM DIA	SCREEN	PIPE	148.09	TO			160.12
150 MM DIA	PLAIN	PIPE	154.10	TO			
TOTAL ASSEMBLY=			160.12 M+A.G.L.=			160.62	

3- Proposed Assembly for Lowering

1	300MM DIA MERW PIPE PLAIN PIPE	36.12
2	200MM DIA MERW PIPE PLAIN PIPE	
3	150MM DIA MERW PIPE PLAIN PIPE	100.26
4	300/150 MM DIA REDUCER	
5	200/150 MM DIA REDUCER	1
6	150MM DIA MSERW SLOTTED PIPE	24.04
7	300MM DIA WELL CAP	1
8	200MM DIA WELL CAP	
9	150MM DIA CENTER GUIDE	3
10	GRAVEL PACKING	
11	600 MM DIA BORE DIGGING	
12	500 MM DIA BORE DIGGING	
	TOTAL ASSEMBLY =	160.62

195
~~200.00~~

KPTL

TRIA

JE UPJN

AEUPJN

EE UPJN



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Ref: TDMA/WWP/JRRW/565

Date: 28-10-2023

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Ratanpur, Block – Nautanwa, Distt. – Maharajganj

Drilling Depth (m) : 200.00 mbgl as reported by Driller

Logged Depth (m) : 195.80 mbgl

Date of Logging : 28.10.2023

Types of Log : S.P., Resistivity (Normal) & Natural Gamma

Logger Used : Robertson Geologging.,

Bore Hole Drilled by: Kalpataru Power Transmission Ltd.,

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Quality & Types of Strata	R_{mf} & R_w
1	24 – 28	4	Good	$R_{mf} = 16.79 \Omega m$ $R_w = 19.10 \Omega m$
2	34 – 42	8	Good	
3	50 – 58	8	Good	
4	63 – 71	8	Good	
5	102 – 126	24	Good	
6	144 – 158	14	Good, Kankar intermixed	

Remark : 1. Almost all zones are intermixed with fine bands of kankar.
2. No proper granular zones encountered below 158 mbgl to till depth logged.

