



KALPA TARU



aarvee associates  
architects engineers & consultants pvt. ltd.



QUALITY MANAGEMENT SYSTEM

Format No :  
KPTL/232221F/00023

DEPTH OF STARTA

PROPOSED ASSEMBLY DETAILS

Block- Aliganj  
GP- Aliyapur Danda

SL. DPR Details -

Lowering Date - 06/05/2023

1. Water Discharge in LPM - 570 LPM
2. Bore well Drilling dia- 600,500 mmφ
3. Bore well Drilling depth- 130 MTR.

LOGGING REPORT

G.L.	Depth	0.50 A
93	5.52	5.52 MTR.
92	6.03	11.55 MTR.
91	6.04	17.59 MTR.
90	5.91	23.50 MTR.
89	6.00	29.50 MTR.
88	1.00	30.50 MTR.
87	6.04	36.54 MTR.
86	1.46	38.00 MTR.
85	6.00	44.00 MTR.
84	6.02	50.02 MTR.
83	6.04	56.06 MTR.
82	6.03	62.09 MTR.
81	6.05	68.14 MTR.
80	6.03	74.17 MTR.
79	6.02	80.19 MTR.
78	6.04	86.23 MTR.
77	6.02	92.25 MTR.
76	6.04	98.29 MTR.
75	4.67	102.96 MTR.
74	6.04	108.00 MTR.
73	6.00	114.00 MTR.
72	2.00	117.00 MTR.
71	4.50	121.50 MTR.

Depth-	Date-	SL.	Depth Range	Thickness	Remarks
1					
2			38-44	6	Medium Sand
3					
4			109-117	8	Medium Sand
5					
6					
7					
8					
9					
10					
11					

Assembly Details

Proposed Assembly for Lowering

1. 300mm dia MS Plain Pipe - -
2. 200mm dia MS Plain Pipe 101.00 MTR.
3. 200mm dia MS Slotted Pipe- 21.00 MTR.
4. 200mm dia LCG Pipe - -
5. 300/200 mm dia Reducer - -
6. MS Bail Plug- 01 nos.
7. MS Ring 300mm- -
8. MS Ring 200mm- 22 nos.
9. MSSl Clamp- 01 nos.
10. Centre Guide - 03 nos.
11. TW Assembly Support- 01 nos.
12. MS Well Cap - 01 nos.
13. Pea Gravel Packing-

Sunil Kumar Yadav  
KPTL

TPI

CLIENT (UPJN)

Lowering work  
executed as per  
assembly chart.

G.P. : Aliyapur Daroh

Block : Abiganj

District : Etah

Required : 570 LPM

300mm dia Plain Pipe : 42  
 200mm dia Plain Pipe : 38  
 200mm dia Slotted Pipe : 50  
130 mtr

Streets :-

23-31 → 09 mtr

38-44 → 06 mtr

109-117 → 08 mtr

6.00	0.50
6.00	
6.00	
6.00	23.50
6.00	
1.00	30.50
6.00	
1.50	38.00
6.00	44.00
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	109.00
6.00	
2.00	117.00
4.50	
0	121.50 ✓

Note → उचित D.P.R में 300X200 mm मंजू का नलकूप स्वीकृत है। परन्तु 570 L.P.M. धारा व समीप streets न मिलने के कारण 200X200 mm मंजू का नलकूप निर्माण करना उचित होगा।

*[Signature]*  
 05/05/23

300mm dia Plain Pipe : X  
 300X200 mm Reducer : X  
 200mm dia Plain Pipe : 101.00 mtr  
 200mm dia Slotted Pipe : 21.00 mtr  
**Total : 122.00 mtr**

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ALIYAPUR DANDA, BLOCK- ALIGANJ, DISTT- ETAH  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/s Kalpataru Power Transmission limited, Etah.

On the request of M/s Kalpataru Power Transmission limited, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 03.May.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 15.70 Ohms.

Drilling Water Resistivity = 16.40 Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 23	8	Clay kankar	
4.	23 - 31	8	Medium sand	Medium
5.	31 - 38	7	Clay kankar	
6.	38 - 44*	6	Medium sand	Medium
7.	44 - 109	65	Clay kankar	
8.	109 - 117*	8	Medium sand	Medium
9.	117 - 120	3	Clay kankar	



- Logging performed as per SWSM guidelines.  
- Groundwater quality interpreted by firm as per their logger calibration. G.S.R.  
04/05/23