



KALPA-TARU



aarvee associates
architects engineers & consultants pvt. ltd



QUALITY MANAGEMENT
SYSTEM

Format No :
KPTL/232221F/00023

DEPTH OF
STARTA

PROPOSED ASSEMBLY DETAILS

Block: Sakit

GP- Nandpur Belamai

SL.

DPR Details -

Lowering Date - 16/05/2025

1.

Water Discharge in LPM - 440

2.

Bore well Drilling dia- 500 mm

3.

Bore well Drilling depth- 110 mtr.

LOGGING REPORT

Depth- 110 mtr

Date- 12/05/2025

SL.

Depth Range

Thickness

Remarks

1

80-73.99

6.01

fine to medium sand

2

70-60

10

fine to medium sand

3

45-42

3

medium sand

4

38-35

3

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 64 mtr.

3. 200mm dia MS Slotted Pipe- 22 mtr.

4. 200mm dia LCG Pipe -

5. 300/200 mm dia Reducer -

6. MS Bail Plug- 1 Nos

7. MS Ring 300mm-

8. MS Ring 200mm- 17 Nos

9. MSSl Clamp- 1 Nos

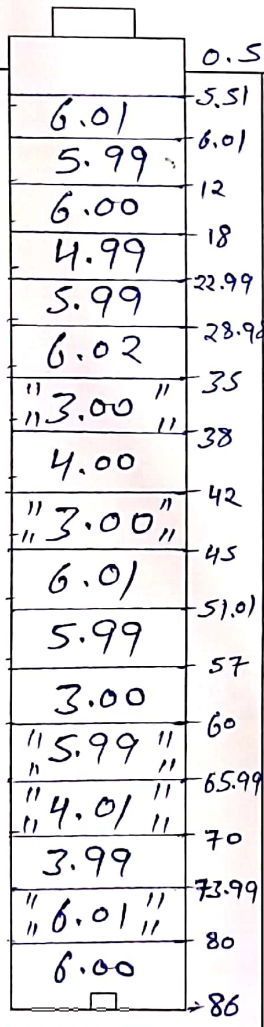
10. Centre Guide - 2 Nos

11. TW Assembly Support- 1 Nos

12. MS Well Cap - 1 Nos

13. Pea Gravel Packing-

G.L.



KPTL

TPI

CLIENT (UPJN)



Scanned with OKEN Scanner

PROJECT - STATE WATER AND SANITATION MISSION PROJECT ETAH			
REQUEST FOR INSPECTION (RFI)			
Format No : KPIL/232221F/00001		RFI no: JJM/ETAH/KPIL/	
Contractor Name: Kalpataru Projects International Limited		Date : 09/05/2025	
		LOA No- 3563/W-25 (Allgarh)/2021-22 dated 07.01.2022	
Location of Work			
District: Etah	Block : Sakit	Scheme : Mandpur Belamai	
Following civil items are ready for inspection :			
SBC ☐	Tube Well ☒	Excavation ☐	PCC ☐
Shuttering ☐	Brick Work ☐	Plaster Work ☐	Painting ☐
Rising Main ☐	Backfilling ☐	M.S. Wicket Gate/ Window ☐	Interlocking Tile ☐
HDPE Pipeline ☐	Others		
Following Mechanical, Electrical, C&I items are ready for inspection :			
Instrumentation ☐	Welding ☐	Valves ☐	Chain Pully ☐
Pump Set ☐	Stabilizer ☐	Pannel ☐	Sloar ☐
Lighting ☐	EMF Meter ☐	Level / Pressure Transmitter ☐	RTU ☐
Earthing cable ☐	Starter ☐	Piping- DI () HDPE () MS () MDPE () ☐	Others ☐
Work Description : Tybe well - Drilling work			
On Date : 10/05/2025		Time : 10:00	
Submitted By		Date	Time
			Sign
TPI (Aarvee)			
Recieved By		Date	Time
			Sign
Comments :			
Civil Department		E&M , I/C Department	
NAME :	☐ APPROVED	NAME :	☐ APPROVED
DESIG :	☐ APPROVED AS NOTED	DESIG :	☐ APPROVED AS NOTED
SIGN:	☐ REJECTED	SIGN:	☐ REJECTED



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ETAH

REQUEST FOR INSPECTION (RFI)

Format No : KPIL/232221F/00001

RFI no: JJM/ETAH/KPIL/

Date : 11/05/2025

Contractor Name: Kalpataru Projects International Limited

LOA No- 3563/W-25 (Aligarh)/2021-22 dated 07.01.2022

Location of Work

District: EtahBlock: SakitScheme : Nandpur Belkmai

Following civil items are ready for inspection :

SBC	☐	Tube Well	☒	Excavation	☐	PCC	☐	RC	☐
Shuttering	☐	Brick Work	☐	Plaster Work	☐	Painting	☐	Stand Post	☐
Rising Main	☐	Backfilling	☐	M.S. Wicket Gate/ Window	☐			Interlocking Tile	☐
HDPE Pipeline	☐	Others							

Following Mechanical, Electrical, C&I items are ready for inspection :

Instrumentation	☐	Welding	☐	Valves	☐	Chain Pully	☐	DG Set	☐
Pump Set	☐	Stabilizer	☐	Pannel	☐	Sloar	☐	Chlorinating Plant	☐
Lighting	☐	EMF Meter	☐	Level / Pressure Transmitter	☐			RTU	☐
Earthing cable	☐	Starter	☐	Piping- DI () HDPE () MS () MDPE ()	☐			Others	☐

Work Description :

Tube well - logging work

L.P.M - 440

Drilling depth - 110 Mtr

On Date : 12/05/2025

Time : 10:30

Submitted By

Date

Time

Sign

TPI (Aarvee)

Date

Time

Sign

Recieved By

Comments :

Civil Department

NAME :

☐ APPROVED

NAME :

DESIG :

☐ APPROVED AS NOTED

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E&M, I/C Department

☐ APPROVED☐ APPROVED AS NOTED☐ REJECTED

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-39

Date:- 12-05-2025

NAME OF SITE

GRAM PANCHAYAT- Nandapur Belamai

BLOCK- Sakit

DISTT- Etah

NAME OF AGENCY

M/s Kalpataru Project International Pvt. Ltd.
Etah



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NANDAPUR BELAMAI, BLOCK- SAKIT, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/s Kalpataru Project International Pvt. Ltd, Etah.

On the request of M/s Kalpataru Project International Pvt. Ltd, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 12.May.2025.

Logging Para meters - Self potential, short normal (N16), 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 = 15.32 Ohms.

Drilling Water Resistivity = 16.55 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Dry sand	
3.	10 - 15	5	Clay kankar	
4.	15 - 23	8	Fine sand	Medium
5.	23 - 35	12	Clay kankar	
6.	35 - 38	3	Medium sand	Medium
7.	38 - 42	4	Clay kankar	
8.	42 - 45*	3	Medium sand	Medium
9.	45 - 60	15	Clay kankar	
10.	60 - 70*	10	Fine to Medium sand	Medium
11.	70 - 74	4	Clay kankar	
12.	74 - 80*	6	Fine to Medium sand	Medium
13.	80 - 92	12	Clay kankar	
14.	92 - 98	6	Sand & Kankar	Med to Marginally
15.	98 - 110	12	Clay kankar	

Ground Water Survey Consultancy



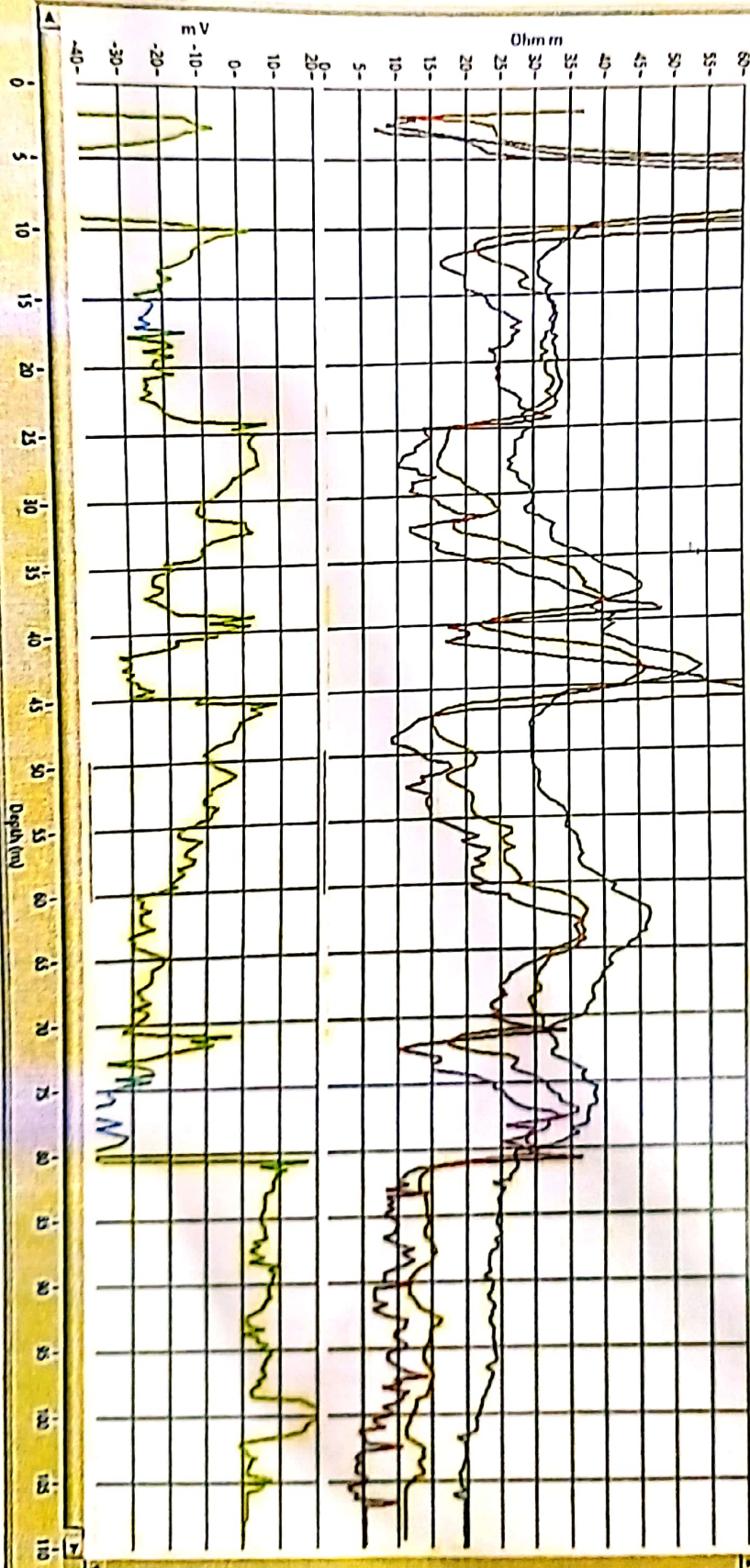
Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible Development of tube well.
3. The Quality of water is expected Medium to Marginally.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.



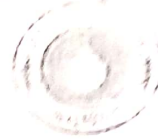
Ground Water Survey Consultancy

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KALPATARU PROJECTS INTERNATIONAL LIMITED



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ETAH

REQUEST FOR INSPECTION (RFI)

Format No : KPIL/232221F/00001

RFI no: JJM/ETAH/KPIL/

Date : 15/05/2025

LOA No- 2553/11-25 (Jalgaon) 2021-22 dated 07.01.2022

Contractor Name: Kalpataru Projects International Limited

Location of Work

District: Etah Block: Sakit Scheme: Nandpur Belamaj

Following civil items are ready for inspection :

SBC ☐ Tube Well ☒ Excavation ☐ PCC ☐ RC ☐
Shuttering ☐ Brick Work ☐ Plaster Work ☐ Painting ☐ Stand Post ☐
Rising Main ☐ Backfilling ☐ M.S. Wicket Gate/ Window ☐ Interlocking Tile ☐
HDPE Pipeline ☐ Others ☐

Following Mechanical, Electrical, C&I items are ready for inspection :

Instrumentation ☐ Welding ☐ Valves ☐ Chain Pully ☐ DG Set ☐
Pump Set ☐ Stabilizer ☐ Pannel ☐ Sloar ☐ Chlorinating Plant ☐
Lighting ☐ EMF Meter ☐ Level / Pressure Transmitter ☐ RTU ☐
Earthing cable ☐ Starter ☐ Piping- DI () HDPE () MS () MDPE () ☐ Others ☐

Work Description :

Tube well - lowering work

LPM - 440

P/p - 64 mtr

S/p - 22 Mtr

On Date : 16/05/2025

Time : 10:30

Submitted By

Date

Time

Sign

TPI (Aarvee)

Recieved By

Date

Time

Sign

Comments :

Civil Department

NAME :

☐ APPROVED

NAME :

☐ APPROVED

DESIG :

☐ APPROVED AS NOTED

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☐ REJECTED

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E&M , I/C Department



G.P. : Nandpur Belamai

Solar Bagrod

Block : Sakil

District : Etah

Required : 440 LPM

WL : 12 mt

300mm dia Plain Pipe :

200mm dia Plain Pipe :

200mm dia Slotted Pipe :

Strata :-

15-23 - 8 mt Fine Sand
35-38 - 3 mt Medium Sand
42-45 - 3 mt Medium Sand
60-70 - 10 mt Fine to medium sand
74-80 - 6 mt fine to medium sand
92-98 - 6 mt Sand & gravel (med to marginally)

As per

200mm dia P/P - 71 mt

200mm dia S/P - 24 mt

100 mt

200X200	0.50 mt
6.00	
6.00	
6.00	
5.00	
6.00	
6.00	
35.00	
3.00	38.00
4.00	42.00
3.00	45.00
6.00	
6.00	
3.00	60.00
6.00	
4.00	70.00
4.00	74.00
6.00	
80.00	
6.00	
86.00	

300mm dia Plain Pipe

300X200 mm Reducer

200mm dia Plain Pipe

200mm dia Slotted Pipe

Total

7 = 86 mt

0.50

86.50 mt

64.50 mt

22.00 mt

86.50 mt