



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/

Date : 20-10-2023

Contractor Name: Kalpataru Power Transmission Limited.

LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022

Location of Work

DISTRICT: ALIGARH BLOCK: Tappal SCHEME: Nagal Kolan

Following civil items are ready for inspection :

Date :

- SBC, Tube Well, Excavation, PCC, RCC, Drilling, Logging, Lowering, OP Unit, Column, 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 :

Date :

- 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 :

Tubewell rig machine installation & drilling work. Required discharge- 430LPM Assembly size- 200mm x 200mm

On Date : 21-10-2023

Time : 10:00AM

Submitted By AMIT RANJAN KUMAR

Date: 20-10-23

Time 10.00 AM

Sign Amit Ranjan Kumar

TPI (Aarvee)

Received By Adnan Kabir

Date

Time

Sign

Adnan

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 ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/

Date : 23/10/2023

Contractor Name: Kalpataru Power Transmission Limited.

LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022

Location of Work

DISTRICT: ALIGARH BLOCK: Tappal SCHEME: Nagal Kalam.

Following civil items are ready for inspection :

Date :

- SBC, Tube Well, Excavation, PCC, RCC, Drilling, Logging, Lowering, OP Unit, Column, 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 :

Date :

- 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 :

Tubewell Eleastro Logging work Required discharge - 430 Assembly size - 200mm x 200mm

On Date : 24/10/2023

Time : 10:00AM

Submitted By AMIT RANJAN KUMAR

Date: 23-10-23

Time 10.00 AM

Sign Amit Ranjan Kumar

TPI (Aarvee)

Received By

Date

Time

Sign

Comments :

Civil Department

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NAME : APPROVED

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REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/

Date : 28/10/2023

Contractor Name: Kalpataru Power Transmission Limited.

LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022

Location of Work

DISTRICT: ALIGARH BLOCK: Tappal SCHEME: Nagal Kalan

Following civil items are ready for inspection :

Date :

- SBC, Tube Well, Excavation, PCC, RCC, Drilling, Logging, Lowering, OP Unit, Column, 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 :

Date :

- 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 :

Tubewell ms pipe lowering work. Required discharge- 430lpm Assembly size- 200mm x 200mm

On Date : 29/10/2023

Time : 10:00AM

Submitted By: AMIT RANJAN KUMAR

Date: 28-10-23

Time 10.00 AM

Sign: Amit Ranjan Kumar

TPI / Aarvee

Received 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



KALPATARU

KALPATARU POWER TRANSMISSION LIMITED

vaarvee associates
architects engineers & consultants pvt. ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh

Block:- Tappal

Scheme:- Nagal Kalam

Rig No/ Type DC:- DC

Size of Bore:- 500mmφ x 500mmφ

Under:- JJM

Assembly Size:- 200mmφ/200mmφ

Required LPM:- 430L PM

Contractor:- KPTL

| CHART | | PIPE LENGTH | ASSEMBLY DETAILS |
|----------------|-------------|-----------------------------------|--|
| AGL | <u>0.55</u> | Pipe No. = | Drilling Started Date:- <u>21-10-2023</u> |
| /// | | Pipe No. = | DPR Drilling Depth:- <u>110 MTR</u> |
| | | Pipe No. = | Logging Started Date:- <u>24-10-2023</u> |
| | | Pipe No. = | Logging Completed Date:- <u>24-10-2023</u> |
| | | Pipe No. = | Lowering Started Date :- <u>29-10-2023</u> |
| | | Pipe No. = | Lowering Completed Date :- <u>29-10-2023</u> |
| | | Pipe No. = | Housing Pipe φ :- - MM - M |
| | | Pipe No. = | Above AGL φ :- MM <u>0.55</u> M |
| | | Pipe No. = | Plain Pipe φ :- <u>200</u> MM <u>51.55</u> M |
| | | Pipe No. = | Slotted Pipe φ :- <u>200</u> MM <u>12.00</u> M |
| | | Pipe No. = | Lowered Assembly:- <u>63.00</u> M |
| | | Pipe No. = | Total Assembly+ AGL :- <u>63.00+0.55</u> M |
| | | Pipe No. = | Actual Drilling Depth:- <u>110</u> M |
| | | Pipe No. = | MS H Frame:- <u>200mmφ, 1 No</u> |
| | | Pipe No. = | MS Ring:- <u>200mmφ, 12 Nos</u> |
| | | Pipe No. = | MS Reducer:- - |
| | <u>6.01</u> | Pipe No. = <u>13th</u> | MS Bail Plug:- <u>200mmφ, 1 No</u> |
| | <u>6.01</u> | Pipe No. = <u>12th</u> | MS Clamp:- <u>200mmφ, 1 No</u> |
| | <u>6.01</u> | Pipe No. = <u>11th</u> | MS Well Cap:- <u>200mmφ, 1 No</u> |
| | <u>0.50</u> | Pipe No. = <u>10th</u> | Centre Guide:- <u>200mmφ, 3 No</u> |
| | <u>6.01</u> | Pipe No. = <u>9th</u> | |
| | <u>6.01</u> | Pipe No. = <u>8th</u> | |
| | <u>6.00</u> | Pipe No. = <u>7th</u> | |
| MSERN SLOTTED | <u>2.00</u> | Pipe No. = <u>6th</u> | |
| MSERN SLOTTED | <u>6.00</u> | Pipe No. = <u>5th</u> | |
| | <u>3.00</u> | Pipe No. = <u>4th</u> | |
| | <u>6.00</u> | Pipe No. = <u>3rd</u> | |
| MSERN SLOTTED | <u>4.00</u> | Pipe No. = <u>2nd</u> | |
| Bail Plug | <u>6.00</u> | Pipe No. = <u>1st</u> | |

Amit Ranjan Kumar

Contractor Representative

[Signature]

TPI Representative

Client Representative

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAGAL KALA, BLOCK- TAPPAL, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 107 mtrs. at above site. Was drilled by M/s Kalpataru Power Transmission limited, Aligarh.

On the request of M/s Kalpataru Power Transmission limited, Aligarh. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 24.Oct.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 = 10.51 Ohms.

Drilling Water Resistivity = 11.79 Ohms.

Approx Water Level = 18 Mtr.

| S.No. | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|-------|----------------|--------------|---------------|------------------------|
| 1. | 0 - 5 | 5 | Surface soil | |
| 2. | 5 - 13 | 8 | Dry sand | |
| 3. | 13 - 20 | 7 | Clay kankar | |
| 4. | 20 - 26 | 6 | Fine sand | |
| 5. | 26 - 30 | 4 | Clay kankar | |
| 6. | 30 - 38 | 8 | Fine sand | Med to Marginally |
| 7. | 38 - 53 | 15 | Clay kankar | |
| 8. | 53 - 57 | 4 | Fine sand | Med to Marginally |
| 9. | 57 - 67 | 10 | Clay kankar | |
| 10. | 67 - 73 | 6 | Sand & kankar | Marginally saline |
| 11. | 73 - 107 | 34 | Clay kankar | |

Ground Water Survey Consultancy



G.P. : Nagla Kalan - Sotipura.

Block : Tappal

District : Aligarh.

Required : 430 LPM

300mm dia Plain Pipe : x
200mm dia Plain Pipe : 82
200mm dia Slotted Pipe : 18
100mtr

Streta :-

30-38 → 08 mtr

53-57 → 04 mtr

| | |
|------|-------|
| 6.00 | 0.50 |
| 6.00 | |
| 6.00 | |
| 0.50 | |
| 6.00 | |
| 6.00 | 30.00 |
| 6.00 | |
| 2.00 | 38.00 |
| 6.00 | |
| 3.00 | |
| 6.00 | 53.00 |
| 4.00 | 57.00 |
| 6.00 | |
| 0 | 63.00 |

Note → ① cement Sealing करनी होगी।

② इस नक्शे का अंगतार Satisfactory Water Test Report प्राप्त होने के उपरान्त ही सम्भव होगा।

lal
M

300mm dia Plain Pipe : x
300X200 mm Reducer : x
200mm dia Plain Pipe : 51.50 mtr
200mm dia Slotted Pipe : 12.00 mtr
Total : 63.50 mtr