



aarvee associates
architect engineers & consultants pvt. ltd



QUALITY MANAGEMENT SYSTEM

Format No :

KPTU/232221F/00023

DEPTH OF STARTA

PROPOSED ASSEMBLY DETAILS

Block: marshera

GP: Sindhawali

| GL | | |
|-------|------|------|
| 5.58 | (19) | 0.5 |
| 5.58 | (18) | 5.58 |
| 11.6 | (18) | 6.02 |
| 17.64 | (17) | 6.04 |
| 23.69 | (16) | 6.05 |
| 29.72 | (15) | 6.03 |
| 35.75 | (14) | 6.01 |
| 41.75 | (13) | 6.02 |
| 46.50 | (12) | 4.75 |
| 49.50 | (11) | 3.0 |
| 55.50 | (10) | 6.0 |
| 58.5 | (9) | 3.0 |
| 64.50 | (8) | 6.0 |
| 70.53 | (7) | 6.03 |
| 72.45 | (6) | 2.92 |
| 79.50 | (5) | 6.05 |
| 85.51 | (4) | 6.01 |
| 86.51 | (3) | 1.0 |
| 89.51 | (2) | 3.0 |
| 95.51 | (1) | 6.0 |

SI DPR Details -

- Lowering Date: 14/06/2023
- 1. Water Discharge in LPM: 380 LPM
- 2. Bore well Drilling dia: 500mm
- 3. Bore well Drilling depth: 110mtr

LOGGING REPORT

| SI | Depth | Depth Range | Thickness | Date | Remarks |
|----|-------|-------------|-----------|------|---------|
| 1 | | 45-50 | 0.5mtr | | |
| 2 | | | | | |
| 3 | | 63-80 | 17mtr | | |
| 4 | | | | | |
| 5 | | 85-91 | 06mtr | | |
| 6 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |
| 10 | | | | | |
| 11 | | | | | |

Assembly Details

Proposed Assembly for Lowering

- 1. 300mm dia MS Plain Pipe-
- 2. 200mm dia MS Plain Pipe 75.01mtr
- 3. 200mm dia MS Slotted Pipe- 21mtr
- 4. 200mm dia ICG Pipe -
- 5. 300/200 mm dia Reducer -
- 6. MS Bail Plug- 1
- 7. MS Ring 300mm-
- 8. MS Ring 200mm- 18
- 9. MSSJ Clamp- 1
- 10. Centre Guide - 3
- 11. IW Assembly Support- 1
- 12. MS Well Cap - 1
- 13. Pea Gravel Packing- 18.60 cum

KPTU Jony

Opil
TPI

CLIENT (UPIN)

Lowering work executed as per assembly chart.

Block : 200/400

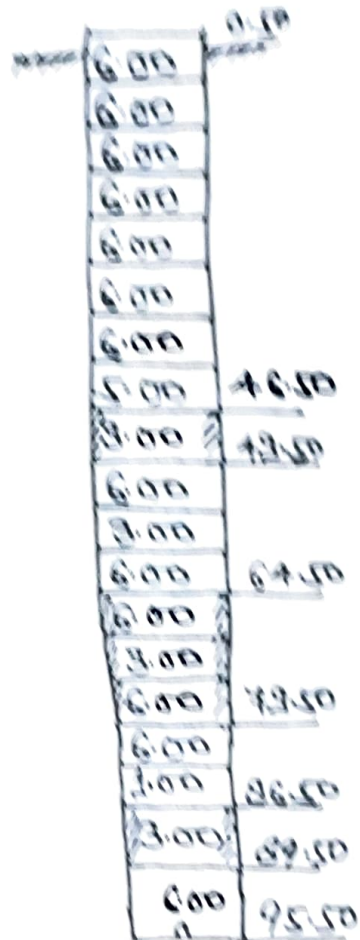
District : 214/9

Required : 300 LPM

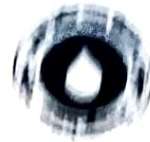
300mm dia Plain Pipe : 8
 200mm dia Plain Pipe : 76
 200mm dia Slotted Pipe : 24
100 mtr

Street :

45-50 → 05 mtr
 63-80 → 17 mtr
 85-91 → 06 mtr



300mm dia Plain Pipe : 8
 300X200 mm Reducer : 7
 200mm dia Plain Pipe : 75.00 mtr
 200mm dia Slotted Pipe : 21.00 mtr
Total : 96.00 mtr



PROJECT STATE WATER AND SANITATION MISSION PROJECT STAFF

REQUEST FOR INSPECTION (RFI)

Formal No. KPII/2022/IF/00001

RFI No: JJM/ETA/1/KPIL/

Date: 08/06/2023

Contractor Name: Kalpataru Projects International Limited

IPR No: 2553/11/20 (Rajya), 13/13/22 (Kerala)
07/01/2022

Location of Work

District: Malappuram

Block: Alathur

Scheme: 5/1/1/1/1/1/1

Following civil items are ready for inspection:

| | | | | | | | |
|---------------|--------------------------|-------------|-------------------------------------|------------------------|--------------------------|------------------|--------------------------|
| Site | <input type="checkbox"/> | Tube Well | <input checked="" type="checkbox"/> | Excavation | <input type="checkbox"/> | Fit | <input type="checkbox"/> |
| Shuttering | <input type="checkbox"/> | Block Work | <input type="checkbox"/> | Plaster/White | <input type="checkbox"/> | Painting | <input type="checkbox"/> |
| Rising Main | <input type="checkbox"/> | Backfilling | <input type="checkbox"/> | M & Wicket Gate/Window | <input type="checkbox"/> | Underpinning etc | <input type="checkbox"/> |
| HDPE Pipeline | <input type="checkbox"/> | Others | <input type="text"/> | | | | |

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

| | | | | | | | | | |
|-----------------|--------------------------|------------|--------------------------|---|--------------------------|--------------|--------------------------|-------------------|--------------------------|
| Instrumentation | <input type="checkbox"/> | Welding | <input type="checkbox"/> | Valves | <input type="checkbox"/> | Chain Pulley | <input type="checkbox"/> | I/C Set | <input type="checkbox"/> |
| Pump Set | <input type="checkbox"/> | Stabiliser | <input type="checkbox"/> | Manhole | <input type="checkbox"/> | Shaft | <input type="checkbox"/> | Eliminating Field | <input type="checkbox"/> |
| Lighting | <input type="checkbox"/> | EMF Meter | <input type="checkbox"/> | Level / Pressure Transmitter | <input type="checkbox"/> | RTU | <input type="checkbox"/> | | <input type="checkbox"/> |
| Earthing cable | <input type="checkbox"/> | Starter | <input type="checkbox"/> | Piping- DI () HDPE () MS () MUPE () | <input type="checkbox"/> | Others | <input type="text"/> | | |

Work Description:

* Borewell drilling 11mtr
* Borewell size 200mm
* Borewell depth 11mtr
* Electric logging

On Date: 08/06/2023

Time: 10:30 AM

Submitted By: Sony Ramesh

Date: 8/6/23

Time: 8:00 PM

Sign: Sony

IPI (Aarvee)

Received By: _____ Date: _____ Time: _____ Sign: IP1

Comments: Drilling depth = 11mtr
logging depth = 11mtr

| | | | |
|------------------|--|---------------------|--|
| Civil Department | | E&M, I/C Department | |
| NAME : | <input type="checkbox"/> APPROVED | NAME : | <input type="checkbox"/> APPROVED |
| DESIG : | <input type="checkbox"/> APPROVED AS NOTED | DESIG : | <input type="checkbox"/> APPROVED AS NOTED |
| SIGN : | <input type="checkbox"/> REJECTED | SIGN : | <input type="checkbox"/> REJECTED |



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ETAH

REQUEST FOR INSPECTION (RFI)

Format No : KPIL/232221F/00001

RFI no: JJM/ETAH/KPIL/

Date : 13/06/2023

Contractor Name: Kalpataru Projects International Limited

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

Location of Work

District: Etah Block : Maxhera. Scheme : Sindhgawali

Following civil items are ready for inspection :

Date :

| | | | | | | | | | |
|---------------|--------------------------|-------------|-------------------------------------|--------------------------|--------------------------|-------------------|--------------------------|------------|--------------------------|
| SBC | <input type="checkbox"/> | Tube Well | <input checked="" type="checkbox"/> | Excavation | <input type="checkbox"/> | PCC | <input type="checkbox"/> | RC | <input type="checkbox"/> |
| Shuttering | <input type="checkbox"/> | Brick Work | <input type="checkbox"/> | Plaster Work | <input type="checkbox"/> | Painting | <input type="checkbox"/> | Stand Post | <input type="checkbox"/> |
| Rising Main | <input type="checkbox"/> | Backfilling | <input type="checkbox"/> | M.S. Wicket Gate/ Window | <input type="checkbox"/> | Interlocking Tile | <input type="checkbox"/> | | |
| HDPE Pipeline | <input type="checkbox"/> | Others | <input type="text"/> | | | | | | |

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

Date :

| | | | | | | | | | |
|-----------------|--------------------------|------------|--------------------------|---|--------------------------|-------------|--------------------------|--------------------|--------------------------|
| Instrumentation | <input type="checkbox"/> | Welding | <input type="checkbox"/> | Valves | <input type="checkbox"/> | Chain Pully | <input type="checkbox"/> | DG Set | <input type="checkbox"/> |
| Pump Set | <input type="checkbox"/> | Stabilizer | <input type="checkbox"/> | Panne | <input type="checkbox"/> | Sloar | <input type="checkbox"/> | Chlorinating Plant | <input type="checkbox"/> |
| Lighting | <input type="checkbox"/> | EMF Meter | <input type="checkbox"/> | Level / Pressure Transmitter | <input type="checkbox"/> | RTU | <input type="checkbox"/> | | |
| Earthing cable | <input type="checkbox"/> | Starter | <input type="checkbox"/> | Piping- DI () HDPE () MS () MDPE () | <input type="checkbox"/> | Others | <input type="checkbox"/> | | |

Work Description :

* Assembly Lowering. work.
* Assembly depth - 96.01 mtr.
* Size of borewell - 500mm
* Size of Assembly - 200mm

On Date : 14/06/2023.

Time : 10:00 AM

Submitted By Sony Banjara

Date 13/06/2023 Time 9:00 PM Sign Sony

TPI (Aarvee)

Recieved By _____ Date _____ Time _____ Sign [Signature]

Comments :

Total assembly = 96.01 mtr
200mm plain pipe = 75.01 mtr
slotted pipe = 21 mtr

Civil Department

E&M , I/C Department

| | | | |
|---------|--|---------|--|
| NAME : | <input type="checkbox"/> APPROVED | NAME : | <input type="checkbox"/> APPROVED |
| DESIG : | <input type="checkbox"/> APPROVED AS NOTED | DESIG : | <input type="checkbox"/> APPROVED AS NOTED |
| SIGN : | <input type="checkbox"/> REJECTED | SIGN : | <input type="checkbox"/> REJECTED |

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SINDHAWALI, BLOCK- MARHERA, 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 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 10.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 = ~~15.53~~ Ohms.

Drilling Water Resistivity = ~~16.78~~ 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 | Clay kankar | |
| 3. | 10 - 17 | 7 | Fine sand | |
| 4. | 17 - 25 | 8 | Clay kankar | |
| 5. | 25 - 30 | 5 | Fine to medium sand | Medium |
| 6. | 30 - 34 | 4 | Clay kankar | |
| 7. | 34 - 40 | 6 | Sand & kankar | |
| 8. | 40 - 45 | 5 | Clay kankar | |
| 9. | 45 - 50* | 5 | Fine to medium sand | Medium |
| 10. | 50 - 63 | 13 | Clay kankar | |
| 11. | 63 - 80* | 17 | Medium sand | Medium |
| 12. | 80 - 85 | 5 | Clay kankar | |
| 13. | 85 - 91* | 6 | Fine to medium sand | Medium |
| 14. | 91 - 96 | 5 | Clay kankar | |
| 15. | 96 - 106* | 10 | Medium sand | Medium |
| 16. | 106 - 110 | 4 | Clay kankar | |

Ground Water Survey Consultancy



Logging performed as per SWM procedure. Groundwater quality not covered by log as per their log calibration. G.C.U. Infosys



District Level Water Analysis Laboratory , U.P Jal Nigam (Rural), ALIGARH

BUILDINGNO 01, ADHIKSHAN ABHIYANTA KARYALAYA, NIRMAN MANDAL, U.P. JAL NIGAM, RAMGHATROAD, ALIGARH ALIGARH,UTTARPRADESH-202001 (Test Address only)

Print

Test report

Sample ID: U2044547S18472728

User Information

| | | | |
|---------------|--|-----------|------------|
| Name: | KALPATARU POWER TRANSMISSION LTD | Mobile: | 7906905503 |
| Email: | www.totaltechinfra.com | Pin Code: | |
| Full Address: | Village- Bithara , Gram Panchayat- Bithara, Block- Aliganj, District- Etah, State- Uttar Pradesh | | |

Sample description

| | | | |
|-------------------|------------|----------|---------------|
| Source of Sample: | Sindhawali | Village: | Sindhawali |
| Gram Panchayat: | Sindhawali | Block: | Marehra |
| District: | Etah | State: | Uttar Pradesh |
| Address: | Remarks: | | |
| Latitude: | Longitude: | | |

Date & time of sample collection

19.02.2024 | 02:37:00 PM

Date & time of sample received in lab

20.02.2024 | 05:29:00 PM

Date & time of sample analysed

21.02.2024 | 05:33:00 PM

Date & time of report generation

27.02.2024 | 05:36:43 PM

Test results

| Sr. No. | Parameters tested | Unit of measurement | Requirement (acceptable limit) as per BIS 10500 | Permissible limit (in absence of alternate source) as per BIS 10500 | Test result value | Remarks |
|---------|--|---------------------|---|---|-------------------|---------|
| 1 | Calcium (as Ca)* | mg/l | 75 | 200 | 22.400 | |
| 2 | Chloride (as Cl)* | mg/l | 250 | 1000 | 26.000 | |
| 3 | Colour* | Hazen units | 5 | 15 | 1.000 | |
| 4 | E. coli | CFU/100 ml | Shall not be detectable in any 100 ml sample | No Relaxation | 0.000 | |
| 5 | Fluoride (as F)* | mg/l | 1 | 1.5 | 0.370 | |
| 6 | Iron (As Fe)* | mg/l | 1 | No Relaxation | 0.010 | |
| 7 | Magnesium (As Mg)* | mg/l | 30 | 100 | 35.900 | |
| 8 | Nitrate (as NO ₃)* | mg/l | 45 | No Relaxation | 3.700 | |
| 9 | pH* | NA | 6.5-8.5 | No Relaxation | 7.900 | |
| 10 | Sulphate (as SO ₄)* | mg/l | 200 | 400 | 11.800 | |
| 11 | TDS* | mg/l | 500 | 2000 | 233.000 | |
| 12 | Total Alkalinity (as Calcium Carbonate)* | mg/l | 200 | 600 | 124.000 | |
| 13 | Total Arsenic (As As) | mg/l | 0.01 | No Relaxation | 0.000 | |
| 14 | Total coliform | CFU/ 100 ml | Shall not be detectable in any 100 ml sample | No Relaxation | 0.000 | |
| 15 | Total Hardness (As CaCO ₃)* | mg/l | 200 | 600 | 204.000 | |
| 16 | Turbidity* | NTU | 1 | 5 | 3.960 | |

Note:

- 1)*indicates parameters that are NABL accredited.
- 2)This test results related to the sample tested above
- 3)The report shall not to be reproduced in full without approval of authority
- 4)This is the end of the report

Authorised signatory
Shailender rajawat (Test Lab Incharge)

*****This is an electronically generated report and does not require a signature*****

Jal Jeevan Mission aims at potable tap water supply to every home

Let's join hands to ensure drinking water is potable. It helps in preventing water borne diseases and improve public health.

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