

Date - 16/06/23

Proposed Assembly chart: Beerpurwari, Tawra

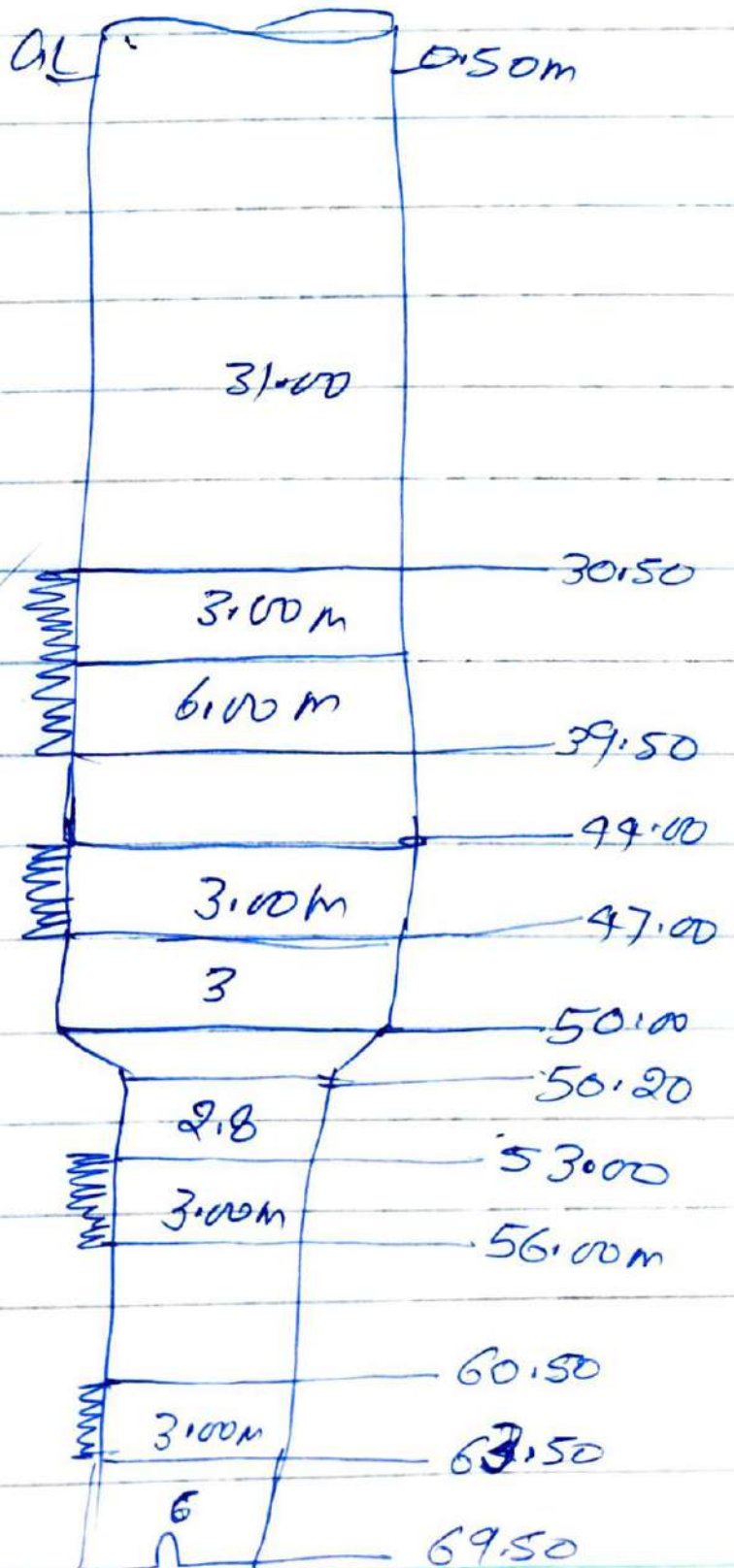
As per DPR,

Discharge = 590 LPM

Size = 200 x 150 mm ϕ

Slotted = 24 m

~~Assembly Size
200 x 150 mm ϕ~~





Aqua Xplore

(Groundwater Assessment & Allied Services)

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Advisor- Dr. R. A. Yadav, ex- Manager(Groundwater), U. P. Jal Nigam

Ref 615 - B/ AX - 2023

Date 15.06.2023

Geophysical Borehole Logging Report

Name of the site : Beerpur, Block – Tarwa

District : Azamgarh

Date : 15.06.2023

Depth logged : 177.0 mbgl

Depth drilled : 200.0 mbgl – as reported

Logger used : Robertson make

Presence : Representative of M/S GAJA-SGIPL(JV), Azamgarh

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water;

| Sl.No. | Depth range(mbgl) | Thickness(m) | Remarks |
|--------|-------------------|--------------|----------|
| 1 | 15.0–22.0 | 7.0 | Good all |
| 2 | 30.0–40.0 | 10.0 | |
| 3 | 44.0–48.0 | 4.0 | |
| 4 | 52.0–56.0 | 4.0 | |
| 5 | 60.0–64.0 | 4.0 | |

Note. All zones are intermixed with kankar. Quality of the formation water is deteriorating marginal to saline below 66.0 mbgl till depth logged.
Sl. No. 4 is fine sand.

for Aqua Xplore

CC;

M/S GAJA-SGIPL(JV), Azamgarh

**ESTIMATE FOR
KUDHARPUR & BEERPUR GROUP OF PANCHAYAT'S WATER SUPPLY SCHEME
UNDER - JJM
BLOCK- TARWAN, DISTRICT- AZAMGARH
Estimate of Cost of Tubewell construction**

Discharge 590 LPM
Head 47 M
Drilling Depth of Tube well 200 M
Lowering of Tube well 180 M
Size of Tube well 200 x 150 mm

| Sl.No. | Item of work | No. | L. | B. | H/D | Qty | Rate | Unit | Amount | Remarks |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|-----|-----|----------|------|-------------|-------------|
| 1 | DCRC Drilling including Hiring Transportation, Erection, Dismantling with Loading and unloading of Rig and associated T&P complete in all respect including required all material labour & T&P etc. | | | | | | | | | As per RFP. |
| 1.1 | DCRC Drilling up to 100Mtr. | | | | | | | | | |
| 1.1.1 | 500 MMØ | | | | | 60 | 2,709.57 | Rmt | 1,62,574.31 | |
| 1.1.2 | 450 MMØ | | | | | 40 | 2,448.06 | Rmt | 97,922.59 | |
| 1.2 | DCRC Drilling from 101 MT. To 200 Mtr.Deep | | | | | | | | | |
| 1.2.1 | 450 MMØ | | | | | 100 | 2,766.85 | Rmt | 2,76,685.02 | |
| 1.2.2 | Development / Finishing of tubewell | | | | | | 2,887.82 | Hex | - | |
| 1.3 | DCRC Drilling from 201 MT. To 300 Mtr.Deep | | | | | | | | | |
| 1.3.1 | 450 MMØ | | | | | | 3,150.13 | Rmt | - | |
| 1.4 | Tube Well Assembly | | | | | | | | | |
| | MISERW plain pipe As per IS 4270 | | | | | | | | | |
| 1.4.1 | 200 MMØ | | | | | 54 | 2,529.29 | Rmt | 1,37,121.66 | |
| 1.4.2 | 150 MMØ | | | | | 102 | 1,991.60 | Rmt | 2,03,143.20 | |
| | MISERW Pipe slotted pipe as per IS 8110 | | | | | | | | | |
| 1.4.3 | 200 MMØ | | | | | 0 | 3,817.70 | Rmt | - | |
| 1.4.4 | 150 MMØ | | | | | 24 | 3,067.06 | Rmt | 73,609.54 | |
| 1.5 | MS Fittings such as clamp, ball plug, reducer, well cap girder & support structure | | | | | | | | | |
| | MS Ring | | | | | | | | | |
| 1.5.1 | 200 mm Ø MS Ring made by 150 mm x 12 mm Flat | | | | | 10 | 1,593.28 | No. | 15,932.80 | |
| 1.5.2 | 150 mm Ø MS Ring made by 150 mm x 12 mm Flat | | | | | 22 | 1,264.67 | No. | 27,822.65 | |
| | MS Ball plug As per IS 2800 | | | | | | | | | |
| 1.5.3 | 150 mm Ø M.S. Ball Plug | | | | | 1 | 1,717.76 | No. | 1,717.76 | |