



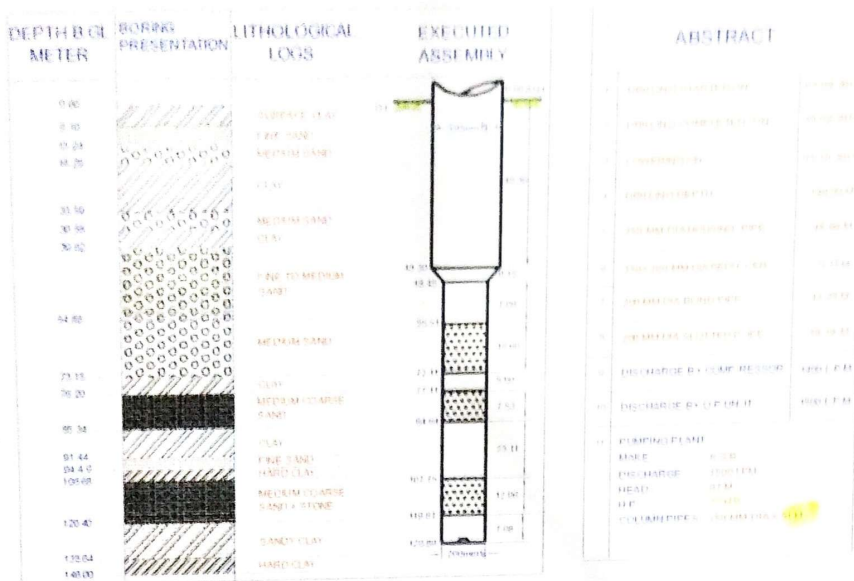
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT

COMPLETION PLAN OF TUBEWELL

(YEAR - 2013-2014)

NAME OF SCHEME - RIYAWALI NAGLA W/S SCHEME MUZAFFARNAGAR
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 1 NO
LOCATION OF TUBE WELL FIRST
NAME OF CONTRACTOR - M/S PREMIER DRILLING CO

SPRING WATER LEVEL IN MINS. 30.84M
SIZE OF BORE - 10" (254MM)
DATE OF COMPLETION OF TWP - 12.11.2013



YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 15.10.2013 STATIC W/L - 18.30 M TASTE OF WATER - SWEET

| Height Of Water | Discharge in Lpm | SAND CONTENTS IN PPM | | | | | | REMARKS |
|-----------------|------------------|----------------------|-------------|--------------|--------------|--------------|-------------|---------|
| | | starting | After 5 min | After 10 min | After 15 min | After 30 min | After 60min | |
| 8.0" | 1526 | 500 | 300 | 200 | 100 | Tr. | CL. | |
| 7.5" | 1400 | 400 | 250 | 150 | 50 | Tr. | CL. | |

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2000)

DATE OF TEST - 12.11.2013 STATIC W/L - 18.30 M TASTE OF WATER - SWEET

| ORIFICE TUBE HEIGHT IN INCH | DISCHARGE IN LPM | SWL IN Mts | RWL IN Mts | DEPRESSION IN LPM | STARTING | SAND CONTENTS IN PPM | | | | | RECOMMENDATIONS |
|-----------------------------|------------------|------------|------------|-------------------|----------|----------------------|--------------|--------------|--------------|--------------|---|
| | | | | | | After 5 min | After 10 min | After 15 min | After 20 min | After 30 min | |
| 08" | 1200 | 18.30 | 21.29 | 2.99 | CL. | CL. | CL. | CL. | CL. | CL. | Recommended discharge 1000 LPM at 3.10M depression |
| 08" | 1324 | 18.20 | 21.35 | 3.05 | Tr. | CL. | CL. | CL. | CL. | CL. | Pump should be not in Express for 5 minutes before supply of water in taking main |
| 10" | 1487 | 18.30 | 21.45 | 3.15 | 50 | 100 | CL. | CL. | CL. | CL. | |
| 10" | 1616 | 18.30 | 21.80 | 3.50 | 100 | 150 | Tr. | CL. | CL. | CL. | |
| 25" | 2300 | 18.30 | 22.40 | 4.10 | 200 | 100 | 50 | Tr. | CL. | CL. | |

(As Per IS - 10500)

CHEMICAL TEST REPORT

AGENCY - EE Jal DW U.P. Jal Nigam Mt

DATE OF TEST - 14.11.2013

| S. NO | SUBSTANCE OR CHARACTERISTIC | LIMIT | | | S. NO | SUBSTANCE OR CHARACTERISTIC | LIMIT | | |
|-------|---|------------|------|--------|-------|-------------------------------------|-----------|------|--------|
| | | DESIRABLE | MAX. | ACTUAL | | | DESIRABLE | MAX. | ACTUAL |
| 1 | Colour Hazen, Unit | 5 | 25 | --- | 9 | Dissolved solids mg/L | 500 | 2000 | --- |
| 2 | Turbidity NTU | 5 | 10 | --- | 10 | Calcium as (Ca) mg/L | 75 | 200 | --- |
| 3 | PH value | 6.5 to 8.5 | 7.5 | 07.9 | 11 | Magnesium as (Mn) mg/L | 30 | 100 | --- |
| 4 | Total Hardness as (CaCO ₃) mg/L | 300 | 600 | 216 | 12 | Copper as (Cu) mg/L | 0.05 | 1.5 | --- |
| 5 | Iron as (Fe) mg/L | 0.3 | 1.00 | 0.2 | 13 | Sulphate as (SO ₄) mg/L | 200 | 400 | --- |
| 6 | Chlorides as (Cl) mg/L | 250 | 1000 | 28 | 14 | Nitrate as (NO ₃) mg/L | 45 | 100 | --- |
| 7 | Residual Free Chlorine mg/L | 0.2 | --- | --- | 15 | Alkalinity mg/L | 200 | 600 | 286 |
| 8 | Fluoride as (F) mg/L | 1.0 | 1.5 | --- | | | | | |

Note - All dimensions are in metres.