

CONSTRUCTION DIVISION (E/M) U.P. JAL NIGAM, GORAKHPUR

COMPLETION PLAN OF KOHIL DISTRICT SANTKABIR NAGAR
 TYPE OF RIG M/C R.C. 600/27 SIZE OF BORE 675/550 mm
 STATIC WATER LEVEL..... NAME OF FIRM DEPARTMENTAL
 J.E. Incharge O.P. MAURYA A.E. Incharge BABBAR YADAV

| DEPTH B.G.L. METER | BORING CHART | STRATA | EXECUTED ASSEMBLY | ASSEMBLY DETAILS |
|--------------------|--------------|-----------------------|-------------------|--|
| 0m. | | | A.G.L. 0.50m | |
| 5.18 | | CLAY | | 300 m.m. Dia Housing Pipe to 35.21 m |
| 13.11 | | F.T.O.M. SAND | | 300 m.m. Dia Reducer 35.21 to 35.41 m |
| 19.20 | | CLAY KANKAR | | 200 m.m. Dia BLIND Pipe 35.41 to 62.45 m |
| 28.35 | | F.T.O.M. S. SANDSTONE | | 200 m.m. Dia SLOTTED Pipe 62.45 to 80.54 m |
| 30.49 | | CLAY KANKAR | | 200 m.m. Dia BLIND Pipe 80.54 to 86.54 m |
| 41.77 | | F.T.O.M. S. SANDSTONE | | 200 m.m. Dia SLOTTED Pipe 86.54 to 98.55 m |
| 47.26 | | CLAY | | 200 m.m. Dia BLIND Pipe 98.55 to 104.55 m |
| 53.36 | | F.T.O.M. SAND | | 200 m.m. Dia SLOTTED Pipe 104.55 to 110.54 m |
| 61.00 | | F.T.O.M. SAND | | 200 m.m. Dia BLIND Pipe 110.54 to 116.54 m |
| | | F.T.O.M. S. SANDSTONE | | m.m. Dia Pipe to m |
| | | KANKAR PEBBLE | | m.m. Dia Pipe to m |
| | | F.T.O.M. S. SANDSTONE | | m.m. Dia Pipe to m |
| 99.09 | | CLAY | | Total Assembly 116.54 + A.G.L. 0.50 = 117.04m. |
| 103.66 | | F.T.O.M. SAND | | ABSTRACT |
| 110.98 | | CAVING CLAY | | 1- Drilling Started..... |
| 130.00 | | | SAIL PLUG | 2- Drilling Completed/Lowering 23.9.019 |
| | | | | 3- Drilling Depth 130.00 m |
| | | | | 4- Assembly Lowered 117.04 m |
| | | | | 5- Housing Pipe 35.71 m |
| | | | | 6- Blind Pipe 45.04 m |
| | | | | 7- Slotted Pipe 36.09 m |
| | | | | 8- Reducer 0.20 m |
| | | | | LOGGING REPORT |
| | | | | 1- |
| | | | | 2- |
| | | | | 3- |
| | | | | 4- |
| | | | | 5- |
| | | | | 6- |
| | | | | 7- |
| | | | | 8- |

(O.P. MAURYA) J.E. (BABBAR YADAV) A.E. (ADARSH VERMA) E.E.

YIELD TEST REPORT BY 250 P.S.I. COMPRESSOR

Date of Test 20.01.020 Static W/L 5.60 Taste of Water SWEET

| DISCHARGE | ST.PR. | RU.PR. | DEPRE. | SAND CONTENTS | | | | | | | | | | | REM-ARKS | |
|-----------|--------|--------|--------|---------------|-------|--------------------|--------------------|------|------|-------|-------|--------|--------|--------|----------|--------|
| | | | | INC. | LP.M. | Kg/Cm ³ | Kg/Cm ³ | Kg. | Mtr. | Start | 5 min | 10 min | 15 min | 20 min | | 25 min |
| 9.00 | 2109 | 6.00 | 6.30 | 0.60 | 6.00 | 4000 | 2000 | 1500 | 1000 | 500 | | | | | | |
| 9.50 | 2406 | 8.00 | 7.30 | 0.70 | 7.00 | 4200 | 2300 | 1600 | 1000 | 600 | | | | | | |
| 10.00 | 2740 | 10.00 | 9.20 | 0.80 | 8.00 | 4300 | 2600 | 1800 | 1200 | 700 | | | | | | |
| 16.50 | 3087 | 11.00 | 10.20 | 0.80 | 8.00 | 4500 | 2800 | 1800 | 1500 | 800 | | | | | | |

NOTE: RECOMMENDED FOR FURTHER DEVELOPMENT BY O.P. UNIT.

YIELD TEST REPORT BY O.P. UNIT

Date of Test 2.6.020 Static W/L 5.50 Taste of Water SWEET

| DISCH. | R.W.L. | S.W.L. | DEPRE. | SAND CONTENTS | | | | | | | | | | | REM-ARKS |
|--------|--------|--------|--------|---------------|-----|-----|-----|-------|-------|--------|--------|--------|--------|--|----------|
| | | | | LPM | M | M | M | Start | 5 min | 10 min | 15 min | 20 min | 25 min | | |
| 2948 | 10.40 | 5.50 | 4.40 | 300 | 200 | 150 | 50 | TR. | | | | | | | |
| 2457 | 10.00 | 5.50 | 4.50 | 200 | 150 | 100 | 50 | TR. | | | | | | | |
| 2173 | 9.70 | 5.50 | 4.20 | 100 | 50 | TR. | CL. | CL. | | | | | | | |
| 1852 | 9.20 | 5.50 | 3.70 | 50 | TR. | CL. | CL. | CL. | | | | | | | |

RECOMMENDED DISCHARGE (800 LPM) AFT. 10 MIN RUNNING BY PASS

(NANDUPRASAD) J.E. (BABBAR YADAV) A.E. (ADARSH VERMA) E.E. (NANDUPRASAD) J.E. (BABBAR YADAV) A.E. (ADARSH VERMA) E.E.

CHEMICAL TEST REPORT OF WATER SIMPLE

| Tested Parameters | Unit of measurement | BIS:10500: 2012 Desirable Limit | BIS:10500: 2012 Permissible Limit | Test Method | Result |
|-------------------|---------------------|---------------------------------|-----------------------------------|-------------------|-----------|
| गंध | | Agreeable | Agreeable | IS:3025 (Part 5) | Agreeable |
| आयरन | ppm | 1.0 | 1.0 | IS:3025 (Part 53) | 0.08 |
| नाईट्रेट | ppm | 45 | 45 | IS:3025 (Part 34) | 0.886 |
| आर्सेनिक | ppm | 0.01 | 0.01 | IS:3025 (Part 37) | 0 |
| प्लोराईड | ppm | 1 | 2 | IS:3025 (Part 60) | 0.60 |
| क्लोराईड | ppm | 250 | 1000 | IS:3025 (Part 32) | 30 |
| टी0डी0एस0 | ppm | 500 | 2000 | IS:3025 (Part 16) | 72.6 |
| रेल्कनिटी | ppm | 200 | 600 | IS:3025 (Part 23) | 120 |
| अवशेष क्लोरीन | ppm | 0.20 | 1.00 | IS:3025 (Part 26) | 0 |
| सल्फेट | ppm | 200 | 400 | IS:3025 (Part 24) | 19.2 |
| पी.एच0 | ppm | 6.5-8.5 | 6.5-8.5 | IS:3025 (Part 11) | 7.3 |
| गंदापन | NTU | 1 | 5 | IS:3025 (Part 10) | 1.52 |
| महत्वपूर्ण कठोरता | ppm | 200 | 600 | IS:3025 (Part 21) | 200 |

J.E

A.E.

Executive Engineer