

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

COMPLETION PLAN OF... MADHOPUR (W. BANK) BLACK (B. SP. A. V. L.)..... DISTRICT SANT KABIR NAGAR
 TYPE OF RIG M/C..... R.C. GOR/R1..... SIZE OF BORE 550/500 mm
 STATIC WATER LEVEL..... NAME OF FIRM M/S. R.R. TRADERS, GORAKHPUR
 J.E. Incharge NANDU PRASAD..... A.E. Incharge B. B. BANAYADY

| DEPTH R.G.L. METER | BORING CHART | STRATA | EXECUTED ASSEMBLY | ASSEMBLY DETAILS |
|--------------------|--------------|----------------|-------------------|---|
| 0.00 | | SURFACE CLAY | 0.00 - 0.50 m | 200 m.m. Dia Housing Pipe _____ to 36.10 m |
| 6.00 | | SANDY CLAY | | 200/150 m.m. Dia Reducer _____ 36.10 to 36.30 m |
| | | | | 150 m.m. Dia BLIND Pipe 36.30 to 54.40 m |
| | | | | 150 m.m. Dia SLOTTED Pipe 54.40 to 57.48 m |
| | | | | 150 m.m. Dia BLIND Pipe 57.48 to 64.50 m |
| 34.00 | | F. SAND | 36.10 | 150 m.m. Dia SLOTTED Pipe 64.50 to 67.50 m |
| 40.00 | | CLAY | 36.30 | 150 m.m. Dia BLIND Pipe 67.50 to 88.45 m |
| 43.00 | | F. SAND | | 150 m.m. Dia SLOTTED Pipe 88.45 to 94.48 m |
| 48.00 | | CLAY + KANKAR | | 150 m.m. Dia BLIND Pipe 94.48 to 103.38 m |
| 53.00 | | F.S. + M. SAND | 54.48 | 150 m.m. Dia SLOTTED Pipe 103.38 to 106.42 m |
| 60.00 | | SANDY CLAY | 57.48 | 150 m.m. Dia BLIND Pipe 106.42 to 110.42 m |
| 64.00 | | F.S. + M. SAND | 64.50 | 150 m.m. Dia SLOTTED Pipe 110.42 to 119.56 m |
| 70.00 | | CLAY | 67.50 | 150 BLIND 119.56 - 125.53 |
| | | | | Total Assembly <u>125.53 + 46.05 = 171.58</u> |
| 85.00 | | F. SAND | 88.45 | |
| 96.00 | | SANDY CLAY | 94.48 | |
| 103.00 | | M. SAND | 103.38 | |
| 108.00 | | SANDY CLAY | 106.42 | |
| 110.00 | | F. SAND | 110.42 | |
| | | | 119.56 | |
| 124.00 | | CLAY | 125.53 | |
| 140.00 | | | BAIL PLUG | |

ABSTRACT

| | |
|--------------------------------|----------|
| 1- Drilling Started | 2.7.18 |
| 2- Drilling Completed/Lowering | 9.7.18 |
| 3- Drilling Depth | 140.00 m |
| 4- Assembly Lowered | 126.03 m |
| 5- Housing Pipe | 36.60 m |
| 6- Blind Pipe | 65.02 m |
| 7- Slotted Pipe | 24.21 m |
| 8- Reducer | 0.20 m |

LOGGING REPORT

- 35 - 50 m = 15 m.
- 54 - 59 m = 5 m.
- 64 - 68 m = 4 m.
- 88 - 95 m = 7 m.
- 103 - 107 m = 4 m.
- 110 - 126 m = 16 m.
- 133 - 137 m = 4 m.
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(NANDU PRASAD) J.E. (B. B. BANAYADY) A.E. (ADARSH VERMA) E.E.

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

Date of Test 27.10.018 Static W/L 5.18 Taste of Water SWEET

| DISCHARGE | ST.PR. | RU.PR. | DEPRE. | SAND CONTENTS | | | | | | REMARKS | |
|-----------|--------|--------|--------|--------------------|------|------|-------|-------|--------|---------|--------|
| | | | | Kg/Cm ³ | Kg. | Mtr. | Start | 5 min | 10 min | | 15 min |
| 7.00 | 142 | 6.80 | 6.30 | 0.50 | 5.00 | 3000 | 2500 | 2000 | 1600 | 1400 | |
| 8.00 | 1578 | 9.30 | 8.70 | 0.60 | 6.00 | 3200 | 2600 | 1800 | 1400 | 1200 | |
| 8.50 | 1831 | 11.00 | 10.30 | 0.70 | 7.00 | 3000 | 2700 | 2200 | 1400 | 1000 | |
| 9.00 | 2109 | 12.00 | 11.20 | 0.80 | 8.00 | 3800 | 3000 | 2400 | 1600 | 1000 | |

YIELD TEST REPORT BY O.P. UNIT

Date of Test 4.11.018 Static W/L 5.18 Taste of Water SWEET

| DISCH. | R.W.L. | S.W.L. | DEPRE | SAND CONTENTS | | | | | | REMARKS | |
|--------|--------|--------|-------|---------------|-----|-----|-----|-------|-------|---------|--------|
| | | | | LPM | M | M | M | Start | 5 min | | 10 min |
| 908 | 9.88 | 5.18 | 4.70 | 200 | 100 | 50 | 50 | TR. | | | |
| 862 | 9.78 | 5.18 | 4.60 | 150 | 50 | TR. | TR. | CL. | | | |
| 700 | 9.68 | 5.18 | 4.50 | 100 | 50 | TR. | CL. | CL. | | | |
| 602 | 9.58 | 5.18 | 4.40 | 50 | TR. | TR. | CL. | CL. | | | |
| 503 | 9.48 | 5.18 | 4.30 | TR. | CL. | CL. | CL. | CL. | | | |

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


RECOMMENDED DISCHARGE 500 LPM AFT 5 MIN. RUNNING BY PASS

(NANDU PRASAD) J.E. (B. B. BANAYADY) A.E. (ADARSH VERMA) E.E. (NANDU PRASAD) J.E. (B. B. BANAYADY) A.E. (ADARSH VERMA) E.E.

CHEMICAL TEST REPORT OF WATER SAMPLE

| Tested Parameters | Unit of measurement | BIS:10500: 2012 Desirable Limit | BIS:10500: 2012 Permissible Limit | Test Method | Result |
|-------------------|---------------------|---------------------------------|-----------------------------------|-------------------|-----------|
| | | Agreeable | Agreeable | IS:3025 (Part 5) | |
| गंध | | | | IS:3025 (Part 5) | Agreeable |
| आयरन | ppm | 1.0 | 1.0 | IS:3025 (Part 53) | 0.22 |
| साईट्रेट | ppm | 45 | 45 | IS:3025 (Part 34) | 2.64 |
| आर्सेनिक | ppm | 0.01 | 0.01 | IS:3025 (Part 37) | 0.0 |
| फ्लोराईड | ppm | 1 | 2 | IS:3025 (Part 60) | 0.635 |
| क्लोराईड | ppm | 250 | 1000 | IS:3025 (Part 32) | 14.2 |
| डोडीएसो | ppm | 500 | 2000 | IS:3025 (Part 16) | 169 |
| कैल्शियम | ppm | 200 | 600 | IS:3025 (Part 23) | 110 |
| अवशेष क्लोरीन | ppm | 0.20 | 1.00 | IS:3025 (Part 26) | 0.0 |
| सल्फेट | ppm | 200 | 400 | IS:3025 (Part 24) | 39.52 |
| पी.एच० | | 6.5-8.5 | 6.5-8.5 | IS:3025 (Part 11) | 7.5 |
| मृदापन | NTU | 1 | 5 | IS:3025 (Part 10) | 151 |
| महत्वपूर्ण कठोरता | ppm | 200 | 600 | IS:3025 (Part 21) | 330 |


J.E


A.E.


Executive Engineer