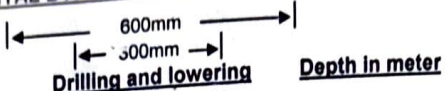


OFFICE OF THE EXECUTIVE ENGINEER, CONST. DIVISION (E/M),

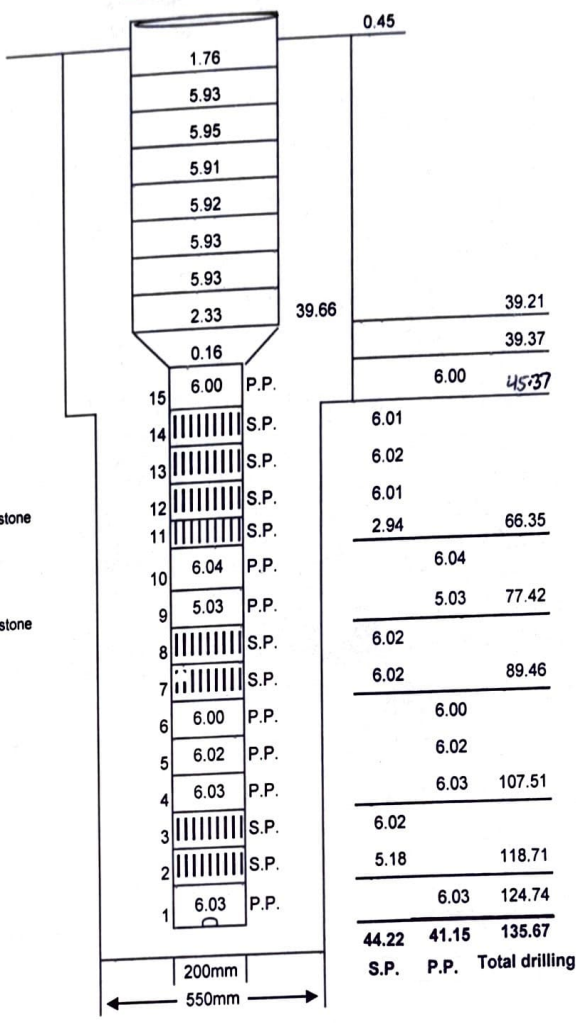
U.P. JAL NIGAM, BAREILLY.

COMPLITION PLAN OF REONIA W/S SCHEME T.W. NRWSP, BUDAUN 300MMX200MM SIZE DIST. BADAUN .

AGENCY: DEPARTMENTAL BY: RC RIG MACHINE 600/27



| S.No. | in feet | in meter | STRATA | |
|-------|---------|----------|--------|------------------------------------|
| 1 | 0 | 5 | 0.00 | 1.52 Surface Caly |
| 2 | 5 | 25 | 1.52 | 7.62 Fine sand |
| 3 | 25 | 75 | 7.62 | 22.86 Fine to medium sand |
| 4 | 75 | 107 | 22.86 | 32.61 Find sand |
| 5 | 107 | 130 | 32.61 | 39.62 Caving clay |
| 6 | 130 | 173 | 39.62 | 52.73 Fine to medium sand |
| 7 | 173 | 195 | 52.73 | 59.44 Sand Stone |
| 8 | 195 | 220 | 59.44 | 67.06 Kankar |
| 9 | 220 | 225 | 67.06 | 68.58 Very fine sand |
| 10 | 225 | 240 | 68.58 | 73.15 Fine to medium sand |
| 11 | 240 | 250 | 73.15 | 76.20 Clay kankar |
| 12 | 250 | 300 | 76.20 | 91.44 Fine to medium sand & stone |
| 13 | 300 | 335 | 91.44 | 102.11 Clay |
| 14 | 335 | 349 | 102.11 | 106.38 Clya kankar |
| 15 | 349 | 395 | 106.38 | 120.40 Fine to medium sand & stone |
| 16 | 395 | 430 | 120.40 | 131.06 Very fine sand |
| 17 | 430 | 445 | 131.06 | 135.67 Clay |
| 18 | 445 | 135.67 | | Total Drilling depth |



| | | |
|----|---------------------------|------------|
| 1 | size of bore 600 mm | 44.20 m |
| 2 | size of bore 550 mm | 91.47 m |
| 3 | Drilling depth | 135.67 m |
| 4 | Housing pipe 300MM | 39.66 m |
| 5 | Slotted pipe 200MM | 44.22 m |
| 6 | Plain pipe 200MM | 41.15 m |
| 7 | Reducer 300MMX200MM | 0.16 m |
| 8 | Total assembly lower | 125.19 m |
| 9 | AGL | 0.45 m |
| 10 | BGL | 124.74 m |
| 11 | Date of drilling start | 01.08.2013 |
| 12 | Date of drilling complete | 08.08.2013 |
| 13 | Date of lowering complete | 09.08.2013 |

YIELD TEST OF TW BY 250 PSI COMPRESSOR

| Date of Test | | S.W.L. 4.90 m | | Total Hours of Development | | | | | 62.00 Hours | | Remark |
|--------------|---|--|---------------------|----------------------------|--------|------------------------|-------|--------|-------------|--------|---|
| Sl. No. | Starting pressure in Kg/Cm ² | Running pressure in Kg/Cm ² | Depression in meter | Discharge by V notch in | | SAND CONTENTS IN P.P.M | | | | | |
| | | | | Inch | L.P.M. | Starting Min. | 5 min | 10 min | 15 min | 20 min | |
| 1 | 12 | 11.5 | 5.00 | 9.5 | 2385 | 2800 | 2500 | 2000 | 1800 | 1200 | Recommendation for further development by O.P. Unit |

YIELD TEST OF TW BY 2 CUSEC O.P. UNIT

| Static W/L | | Taste of water Sweet | | Date of Test | | | | | 12.09.2013 | | | | | |
|-------------------------------------|-----------|----------------------|-------------|------------------------------------|--------------------|-------------------------|--------|----------|------------|---------|---------|----------------|---------|--|
| Sounding of T.W. before development | | | | Sounding of T.W. after development | | | | 123.05 m | | | | | | |
| S. No. | Discharge | | SWL in Mts. | RWL in Mts. | Depression in Mts. | SAND CONTENTS IN P.P.M. | | | | | | Recommendation | | |
| | in inch | in L.P.M. | | | | Starting Min. | 5 Min. | 10 Min. | 15 Min. | 20 Min. | 25 Min. | | 30 Min. | |
| 1 | 9.5 | 2385 | 5.80 | 10.40 | 4.60 | 600 | 300 | 100 | 50 | 50 | 50 | | Tr | Recommended discharge is 1800 l.p.m at 3.50 Mtr. depression. |
| 2 | 9.0 | 2033 | 5.80 | 9.85 | 4.05 | 300 | 150 | 50 | 50 | Tr | Tr | | Cl | |
| 3 | 8.5 | 1814 | 5.80 | 9.30 | 3.50 | 200 | Tr | Cl | Cl | Cl | Cl | Cl | | |

Checked BY: *[Signature]* Lowered By: *[Signature]* Developed By Comp. & O.P. Unit: *[Signature]*

(Samarth Nandikar) Computer J.E. (N.C. Shankdhar) J.E. (A.K. Samir) (H.S. Arya) J.E. (Surjeet Singh) A.E. (P.C. Gupta) Ex. Engineer