

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

COMPLETION PLAN OF BAIJAULI (M.S.D.P.) T.W. DISTRICT MAHARAJGANJ

TYPE OF RIG M/C. R.C. G.O.P. 27

SIZE OF BORE 675/550 mm

STATIC WATER LEVEL 2.95

NAME OF FIRM M/S. R.N. RAJ ENGG. GORAKHPUR

J.E. Incharge S.K. SINGH

A.E. Incharge R.P. RAI

DEPTH B.G.L. METER	BORING CHART	STRATA	EXECUTED ASSEMBLY	ASSEMBLY DETAILS
0.00			A.G.L. 0.50m.	
4.50		SURFACE CLAY		300 m.m. Dia Housing Pipe to 29.65 m
9.50		V.F. SAND		300/200 m.m. Dia Reducer 29.65 to 29.85 m
15.00		F. SAND		200 m.m. Dia BLIND Pipe 29.85 to 60.03 m
30.00		SANDY CLAY		200 m.m. Dia SLOTTED Pipe 60.03 to 78.07 m
		F. SAND	29.65	200 m.m. Dia BLIND Pipe 78.07 to 108.24 m
45.40			29.85	200 m.m. Dia SLOTTED Pipe 108.24 to 120.31 m
		V.F. SAND		200 m.m. Dia BLIND Pipe 120.31 to 122.69 m
56.60				m.m. Dia Pipe to m
		F.S. TO M. SAND	60.03	m.m. Dia Pipe to m
82.30				m.m. Dia Pipe to m
92.30		V.F. SAND	78.07	m.m. Dia Pipe to m
95.80		SANDY CLAY		Total Assembly 122.69 + 0.50 A.G.L. = 123.19 M.
106.00		CLAY + KANKAR		
		M. SAND	108.24	
121.60			120.31	
132.00		CLAY	122.69	
			ALL PLUG	

ABSTRACT

- 1- Drilling Started
- 2- Drilling Completed/Lowering 9.08.018
- 3- Drilling Depth 132.00 m
- 4- Assembly Lowered 123.19 m
- 5- Housing Pipe 30.15 m
- 6- Blind Pipe 62.73 m
- 7- Slotted Pipe 30.11 m
- 8- Reducer 0.20 m

LOGGING REPORT

- 1-
- 2-
- 3-
- 4-
- 5-
- 6-
- 7-
- 8-

(S.K. SINGH) J.E. (R.P. RAI) A.E. (ADARSH VERMA) E.E.

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

Date of Test 25.9.018

Static W/L 3.00 Taste of Water SWEET

DISCHARGE	ST.PR.	RU.PR.	DEPRE.	SAND CONTENTS										REM-ARKS
INC.	L.P.M.	Kg/Cm ³	Kg/Cm ²	Kg.	Mtr.	Start	5 min	10 min	15 min	20 min	25 min			
8.00	1578	6.30	5.80	0.50	5.00	2200	1100	600	300	100				
8.25	1706	7.60	7.00	0.60	6.00	2500	1200	800	500	200				
9.00	2109	10.60	10.00	0.60	6.00	2800	1400	1000	800	600				
9.25	2259	11.90	11.20	0.70	7.00	4000	2500	2000	1500	1000				

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

YIELD TEST REPORT BY O.P. UNIT

Date of Test 4.10.019

Static W/L 3.00 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					
2457	7.60	3.00	4.60	200	150	100	50	TR.						
2305	7.30	3.00	4.30	150	100	50	TR.	CL.						
2079	7.00	3.00	4.00	100	50	TR.	CL.	CL.						
1606	6.40	3.00	3.40	50	TR.	CL.	CL.	CL.						
1323	6.00	3.00	3.00	TR.	CL.	CL.	CL.	CL.						

RECOMMENDED DISCHARGE (300 LPM) AFT 5 MIN. RUNNING BY PASS

(A.K. GUPTA) J.E. (R.P. RAI) A.E. (ADARSH VERMA) E.E. (D.K. GOND) J.E. (VINOD KUMAR) A.E. (ADARSH VERMA) E.E.

CHEMICHEL 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)	0.10
नाईट्रेट	ppm	45	45	IS:3025 (Part 34)	1.34
आर्सेनिक	ppm	0.01	0.01	IS:3025 (Part 37)	0.0
फ्लोराईड	ppm	1	2	IS:3025 (Part 60)	0.758
क्लोराईड	ppm	250	1000	IS:3025 (Part 32)	21.3
टी0डी0एस0	ppm	500	2000	IS:3025 (Part 16)	146
ऐल्कनिटी	ppm	200	600	IS:3025 (Part 23)	140
अवशेष क्लोरीन	ppm	0.20	1.00	IS:3025 (Part 26)	0.0
सल्फेट	ppm	200	400	IS:3025 (Part 24)	8.74
पी.एच0	ppm	6.5-8.5	6.5-8.5	IS:3025 (Part 11)	7.4
गंदापन	NTU	1	5	IS:3025 (Part 10)	3.61
महत्वपूर्ण कठोरता	ppm	200	600	IS:3025 (Part 21)	360

J.E

A.E.

Executive Engineer