

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

COMPLETION PLAN OF KURMAUL (UNDER-NRDWC) DISTRICT SANTKABIR NAGAR
 TYPE OF RIG M/C R.C. 600/27 SIZE OF BORE 5.50/500 mm φ
 STATIC WATER LEVEL..... NAME OF FIRM M/S DEEPAK CONSTRUCTION.
 J.E. Incharge NAINDU PRASAD A.E. Incharge BABBAN YADAV

DEPTH R.G.L. METER	BORING CHART	STRATA	EXECUTED ASSEMBLY	ASSEMBLY DETAILS
0M		SURFACE CLAY	A.G.L. 0.50M	200 m.m. Dia Housing Pipe to 36.20 m
10.00		F.SAND		200/150 m.m. Dia Reducer 36.26 to 36.32 m
16.00		SANDY CLAY		150 m.m. Dia BLIND Pipe 36.32 to 55.50 m
22.00		F.TOM.SAND		150 m.m. Dia SLOTTED Pipe 55.50 to 61.53 m
36.00		F.SAND	36.20	150 m.m. Dia BLIND Pipe 61.53 to 67.42 m
45.00		SANDY CLAY	36.32	150 m.m. Dia SLOTTED Pipe 67.42 to 73.52 m
54.00		F.TOM.SAND		150 m.m. Dia BLIND Pipe 73.52 to 82.50 m
62.00		CLAY/KANKAR	55.50	150 m.m. Dia SLOTTED Pipe 82.50 to 88.44 m
67.00		M.SAND	61.53	150 m.m. Dia BLIND Pipe 88.44 to 100.65 m
74.00		CLAY	67.42	150 m.m. Dia SLOTTED Pipe 100.65 to 106.67 m
82.00		F.TOM.SAND	73.52	150 m.m. Dia BLIND Pipe 106.67 to 112.78 m
90.00		CLAY	82.50	Total Assembly 112.78 + A.G.L. 0.50 m = 113.28 m.
98.00		F.TOM.SAND	88.44	ABSTRACT
108.00		SANDY CLAY	100.65	1- Drilling Started.....
116.00		V.V.F. SAND	106.67	2- Drilling Completed/Lowering..... 12.2.020
121.00		CLAY	112.78	3- Drilling Depth..... 132.00 m
132.00			BAIL PLUG	4- Assembly Lowered..... 113.28 m
				5- Housing Pipe..... 36.76 m
				6- Blind Pipe..... 52.37 m
				7- Slotted Pipe..... 24.09 m
				8- Reducer..... 6.12 m

(N) (NANDUPRASAD) J.E. (B) (BABBA YADAV) A.E. (A) (ADARSHVERMA) E.E.

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

Date of Test 6.3.2020 Static W/L 4.60 Taste of Water SWEET

DISCHARGE		ST.PR.	R.U.PR.	DEPRE.		SAND CONTENTS						REMARKS
INC.	L.P.M.	Kg/Cm ²	Kg/Cm ²	Kg.	Mtr.	Start	5 min	10 min	15 min	20 min	25 min	
8.00	1570	6.00	5.40	0.60	6.00	2200	1500	800	500	400		
8.50	1831	7.20	6.50	0.70	7.00	2800	1800	1000	800	600		
9.00	2109	8.60	7.80	0.80	8.00	3200	2000	1000	1000	600		
9.50	2406	10.50	9.60	0.90	9.00	3800	2200	1500	1200	800		

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

(N) (NANDUPRASAD) J.E. (B) (BABBA YADAV) A.E. (A) (ADARSHVERMA) E.E.

YIELD TEST REPORT BY O.P. UNIT

Date of Test 15.5.20 Static W/L 4.50 Taste of Water SWEET

DISCH.		R.W.L.	S.W.L.	DEPRE		SAND CONTENTS						REMARKS
LPM	M	M	M	Start	5 min	10 min	15 min	20 min	25 min			
1199	9.00	4.50	4.50	150	50	TR	CL	CL				
1078	8.80	4.50	4.30	100	50	TR	CL	CL				
996	8.50	4.50	4.00	50	TR	CL	CL	CL				
702	8.10	4.50	3.60	TR	CL	CL	CL	CL				

RECOMMENDED DISCHARGE 700 LPM/AFT. 5 MIN. RUNNING BY PASS

(N) (NANDUPRASAD) J.E. (B) (BABBA YADAV) A.E. (A) (ADARSHVERMA) 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
गंध		Agreeable	Agreeable	IS:3025 (Part 5)	Agreeable
आयसन	ppm	1.0	1.0	IS:3025 (Part 53)	0.06
नाइट्रेट	ppm	45	45	IS:3025 (Part 34)	0.443
आर्सेनिक	ppm	0.01	0.01	IS:3025 (Part 37)	0
फ्लोराईड	ppm	1	2	IS:3025 (Part 60)	0.66
क्लोराईड	ppm	250	1000	IS:3025 (Part 32)	30
टी0डी0एस0	ppm	500	2000	IS:3025 (Part 16)	213
ऐल्कानेटी	ppm	200	600	IS:3025 (Part 23)	100
अवशेष क्लोरीन	ppm	0.20	1.00	IS:3025 (Part 26)	0
सल्फेट	ppm	200	400	IS:3025 (Part 24)	9.6
पी.एच0	ppm	6.5-8.5	6.5-8.5	IS:3025 (Part 11)	7.2
गंदापन	NTU	1	5	IS:3025 (Part 10)	2.18
महत्वपूर्ण कठोरता	ppm	200	600	IS:3025 (Part 21)	180



J.E

A.E.

Executive Engineer