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Aqua Xplore

(Groundwater Assessment & Allied Services) *pv.*

243/5, New Colony Jiyamau, Hazratganj, Lucknow - 226001

*Project charged to Sit Kahwa
T/W-1 Dist. Gonda under*

Honorary Advisor - Dr. R. A. Yadav, ex-Manager(GW), U.P. Jal Nigam

AR

Ref. 528 - S / AX - 2018

Date 28.05.2018

Geophysical Borehole Logging Report

Name of the site : Sitakahwa T/W -1

District : Shravasti

Date : 28.05.2018

Depth logged : 150.0 mbgl

Depth drilled : 148.0 mbgl

Logger used : Aqua Xplore

Presence : Er. S.P.Yadav, J.E.

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water.

Sl.No.	Depth range(mbgl)	Thickness(m)	Remarks
1	43.0-----50.	7.0	Good all
2	60.0-----85.0	25.0	
3	90.0-----97.0	7.0	
4	110.0-----118.0	8.0	
5	135.0-----148.0	13.0	

Note.

[Signature]
for Aqua Xplore

To *mb va*

E.E.

C.D.(E/M)

U.P.Jal Nigam, Gonda

Actual T.W. Assembly Chart of Sitkahawa T.W. No.-1 District-Srawasti

(Under M.S.D.P. Programme) Date of Lowering : 05-06-2018

		0.5 m AGL	
3 mtr	Surface clay	6.02	41.57 mtr
		6.00	
	Sandy Clay	6.01	
		6.00	
21 mtr	Kankar Clay	6.01	
30 mtr		6.01	
	Clay	6.02	41.82
39 mtr		0.25	
	Kankar Clay	6.03	
43 mtr		6.01	
51 mtr	Fine to Medium Sand	6.02	
58 mtr	Clay	6.03	
		6.01	30.70 mtr
	Fine to Medium Sand	0.60	
		6.01	
		6.01	
85 mtr	Clay	6.01	
90 mtr		6.00	
	Medium Sand	6.00	14.93 mtr
98 mtr	Clay Kankar	6.02	
105 mtr		6.01	
110 mtr	Sandy Clay	2.90	
	Fine to Medium Sand	6.01	
120 mtr		6.02	
	Clay	6.01	18.05 mtr
135 mtr		6.03	
	Fine to Medium Sand	6.01	
		1.00	
		2.33	
148 mtr	Sandy Clay		
150 mtr			

1	Required Discharge	= 1400 LPM
2	Bore Size	= 675 x 550
3	Assembly Size	= 300 x 200
4	Drilling Depth	= 150 mtr
5	Logging Depth	= 148 mtr
6	Date of Logging	= 28-05-18

Details of Logging

Sr. No.	Zone Range	Thickness	Remark
1	43 - 50	7	Good
2	60 - 85	25	
3	90 - 97	7	
4	110 - 118	8	
5	135 - 148	13	

By Aqua Exploretch Welfare Society
(Lucknow)

1	300 mm dia Plain Pipe	= 42.07 mtr
2	200 mm dia Plain Pipe	= 73.03 mtr
3	200 mm dia M.S. Slotted Pipe	= 30.04 mtr
4	300x200 mm dia Reducer	= 0.25 mtr
	Total	145.39
	AGL	- 0.50
	BGL	144.89

M/s Harish Chandra Singh

M/s Harish Chandra
Singh
Gorakhpur(S.P. YADAV)
Junior Engineer(S.K. Yadav)
Assistant Engineer(S.K. Gupta)
Executive Engineer