

M/S Welspun - Kaveri JV Lower Parel (West) Mumbai

Regd. Office-BKT House / Trade World , C Wing 8th Floor,Kamala City ,Senapati Bapat Marg Lower Parel (W),Mumbai 400013
Under Jal Jeevan Mission,District- Jaunpur (U.P.)

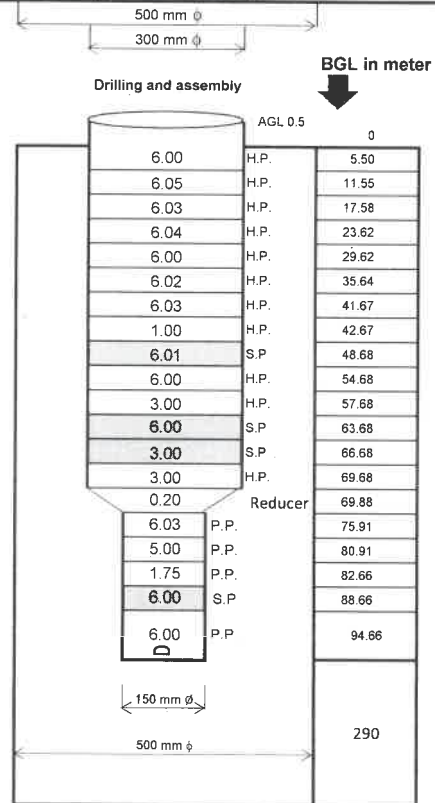
Actual TW Assembly of Kuchhmuchh-2 TW, Block- Dharmapur, District-Jaunpur


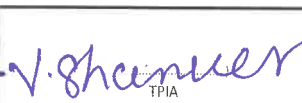


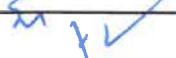
PHYSICAL STRATA			
S.No.	BGL in meter		Formation
	From	To	
1	0	9	Surface Soil
2	9	18	Very Fine Sand
3	18	24	Clay
4	24	36	Fine Sand
5	36	90	Medium Sand
6	90	96	Clay
7	96	175	Medium Sand
8	175	183	Clay
9	183	290	Coarse Sand

Logging Report					
Date of Logging- 25.11.2023					
S.No	Depth (Mbgl)		Thickness (m)	Quality (In terms of Salinity)	Remark
	From	To			
1	28	32	4	Good	
2	42	50	8	Good	
3	57	68	11	Good	
4	82	89	7	Good	
5	183	212	29	Good	
6	242	248	6	Moderate To Marginal	
7	254	262	8	Moderate To Marginal	
8	266	271	5	Marginal TO Brakish	
9	273	277	4	Marginal TO Brakish	
1. The granular zones contain fine sediments with kanker as per the data given in the table.					
2. Below 96 mtr to 175 mtr quality of formation water appears to be saline.					
3. Granular zones other than mentioned above are either mixed with clay kanker or very fine sediments.					

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DETAILS		
1	Date of lowering	04.12.2023
2	Depth of bore 500mm ϕ	290.00 Mtr.
3	Housing pipe 300 mm ϕ	55.17 Mtr.
4	Slotted pipe 300 mm ϕ	15.01 Mtr.
5	Plane pipe 150 mm ϕ	18.78 Mtr.
6	Slotted pipe 150 mm ϕ	6.00 Mtr.
7	300x150 mm ϕ Reducer	0.20 Mtr.
	Total	95.16 Mtr.



 Company Repre. M/S Welspun - Kaveri JV Jaunpur (U.P.)	 TPIA Medhaj Techno Concept Pvt. Ltd., Jaunpur	 (Aditya Singh) Junior Engineer	 (Sudhanshu Singh) Assistant Engineer (SWSM)	 (Adarsh Verma) Exe. Engineer
		Division Office (E&M), U.P.Jal Nigam (Rural), Varanasi		

SURYA BORWELL & TRADERS

Address- Mahmudpur Buzurg, Sikandra, Kanpur Dehat

Ref. : 175-11-25/SURYA/2023-24

Date : 26.11.2023

GEOPHYSICAL WELL LOGGING REPORT

General Description (as reported)

Village	:	KUCHHMUCHH 2nd
Block	:	DHARMAPUR
District	:	JAUNPUR
Borehole Drilled By	:	Welspun India Ltd.
Drilled Depth	:	310 mts. (as reported)
Borehole Logged By	:	Surya Borewell & Traders, Kanpur Dehat
Logged Depth	:	298 mbgl.
Date of Logging	:	November 25, 2023; 20:54
Rm	:	13.1 Ω -m
Rsw	:	18.8 Ω -m

Based on interpretation of presented geophysical logs (Self Potential S.P., Short Normal N16", Long Normal N64" and Lateral 6"), the location of comparatively suitable granular zones are as mentioned below -

S. no.	Depth Range (in meter below ground level)		Thickness (in meter)	Remark (Quality of formation water) (as appear)
	From	To		
1	28	32	04	Good
2	42	50	08	Good
3	57	68	11	Good
4	82	89	07	Good
5	183	212	29	Marginal
6	242	248	06	Moderate to Marginal
7	254	262	08	Moderate to Marginal
8	266	271	05	Marginal to Brakish
9	273	277	04	Marginal to Brakish

Note :-

The interpretation of mentioned geophysical logs reveals that -

1. The granular zones contain fine sediments with kanker as per the data given in the table.
2. **Below 96 mts. to 175 mts. quality of formation water appears to be saline.**
3. Granular zones other than mentioned above are either mixed with clay kanker or very fine sediments.

Presented E. Log Interpreted by



(R.K. BAJPAI)
Hydrologist & Ground Water Consultant,
Retired from Irrigation Department, Uttar Pradesh