



VSAIPPL-SCL JOINT VENTURE

SWS PROJECT, SIDDHARTH NAGAR, U.P



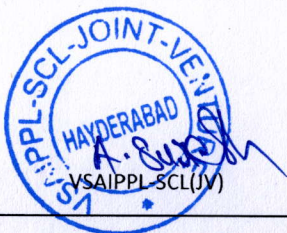
STRATA CHART

Cover Agreement No. :-

Name of District:- *Siddharth Nagar*
 Scheme Name:- *Chorai Tal & Kudra*
 Name of Activity :-

Block Name:- *Khesraha*

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
0			0.50L	300 mm Dia housing pipe to 41.67 M
			6.02	300 x150mm reducer from 41.67 M to 41.87 M
			6.02	150mm dia plain pipe from 41.87 M to 81.04 M
		clay	6.03	150mm dia slotted pipe from 81.04 M to 90.71 M
			6.02	150mm dia plain pipe from 90.11 M to 106.60 M
24			6.02	150mm dia slotted pipe from 106.60 M to 106.60 M
		fine sand	6.04	150mm dia plain pipe from 106.03 M to 111.98 M
32			6.01	150mm dia slotted pipe from 111.98 M to 119.01 M
		clay	6.02	150mm dia plain pipe from 119.01 M to 121.03 M
42		medium sand	0.20	150mm slotted " 121.03 " 124.03 m
			6.04	150mm plain " 124.03 " 138.25 m
49			6.03	150mm slotted " 138.25 " 141.25 m
		clay	6.02	150mm plain " 138.25 " 147.28 m
80		medium sand	6.03	Total Assembly = 147.28 M + 0.50 = 147.78 m
91			3.03	ABSTRACT
		clay	6.05	Date of Lowering- 11/07/2023
100			3.04	LPM- 0.00
106		medium sand	6.03	Drilling Depth- M
112			5.95	Assembly Lowered- 147.78
119		clay	3.02	Housing Pipe- 42.17 M
120		medium sand	6.03	Plain Pipe- 78.28 M
126			6.02	Slotted Pipe- 27.13 M
136		clay	2.20	Reducer- 0.200 M
142		medium sand	6.02	LOGGING REPORT
149			6.03	Date of Logging- 08/07/2023
158		clay	6.03	Logging Depth- 165.00
162		medium sand	0.50	
165		clay		



TPI

Atm
J.E.

Q
A.E.

E.E.

Block - Khesterha

Q = 800 LPM

T/W size - 150x300, 165/150m

= 24m (slotted)

AMS VSA-SCL (WV)

As per logging

24 - 32 = 8

42 - 49 = 7

80 - 91 = 11 = 9 ✓

100 - 106 = 6 = 6 ✓

112 - 118 = 6 = 6 ✓

120 - 126 = 6 = 3 ✓

136 - 142 = 6 = 3 ✓

158 - 162 = 4

pipe cutting

150mm plain pipe

6.02 ⇒ 3.00 + 3.02 ✓

6.04 ⇒ 3.84 + 2.20 ✓

6.05 ⇒ 5.95 + 0.10^x

150mm Slotted pipe cutting

6.03 ⇒ 3.00 + 3.03 ✓

3.00 ⇒ Extra slotted pipe

27	6.02	
28	6.03	
28	6.02	
24	6.04	= 42.17
23	6.01	
22	6.02	41.67
		0-20
		41.87
21	6.04	
20	6.03	
19	6.02	
18	6.02	= 39.17
17	6.03	
16	3.00	
15	6.03	81.04
14	6.04	" "
13	3.03	" "
12	6.05	90.11
11	3.84	= 9.89
10	6.03	" "
9	5.95	100.0
8	6.03	" "
7	3.02	106.03
6	3.00	" "
5	6.02	111.98
4	2.20	" "
3	6.02	118.01
2	3.00	121.03
1	6.02	" "
		124.03
		" "
		124.03
		" "
		138.25
		" "
		141.25

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GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

9/43, Sector-9, Jankipuram Extension, Lucknow - 22603 1

Mob: 9450659011, 8840756551, 9450364183

Email : si.amaresh11@gmail.com, gicaksingh@gmail.com

GSITN: 09ANAPS3037Q1ZG

Ref: TDMA/WWP/JR/279

Date: 08-07-2023

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Churai Tal, Block – Khesraha, Distt. – Siddharth Nagar

Drilling Depth (m) : 166.00 mbgl as reported by Driller

Logged Depth (m) : 165.40 mbgl

Date of Logging : 08.07.2023

165

Types of Log : S.P., Resistivity (Normal) & Natural Gamma



Logger Used : Robertson Geologging.,

Bore Hole Drilled by : VSAIPPL-SCL-JV VEEPL,

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Quality & Types of Strata	R_{mf} & R_w
1	24 – 32	8	Good	$R_{mf} = 13.48 \Omega m$ $R_w = 15.78 \Omega m$
2	42 – 49	7	Good	
3	80 – 91	11	Good	
4	100 – 106	6	Good	
5	112 – 118	6	Good	
6	120 – 126	6	Good	
7	136 – 142	6	Good	
8	158 – 162	4	Good	

Remark : 1. Almost all zones are intermixed with fine bands of kankar.



(A. J. Singh)
Geophysicist