








	NCC LTD.	
	STATE WATER AND SANITATION MISSION	
	CLIENT: JJM / SWSM / DWSM	
	CONSULTANT: Medhaj Techno Concepts Private Ltd.	
	SIEVE ANALYSIS OF PEA GRAVELS (1.6 mm to 4.8 mm) (As per IS : 460)	

Date of Testing :	25-09-23
Test report no :	01

SL NO.	DESCRIPTION	OBSERVATIONS
1	Source of material :	Lalaua - Nainital - Uttarakhand.
2	Location :	Block Name- Bangarom
		G.P Name- Purvare Pan,
3	Date of sampling :	23-09-23
4	Lab. Test no :	01
5	Sample no :	01
6	Total wt. of sample (gm) :	1000 gm.

SIEVE ANALYSIS					
IS Sieve Size	Wt. Retained (gm)	Cumulative wt. Retained (gm)	Cumulative % wt. Retained	% Passing	Acceptable / Not Acceptable
6.3 mm	0	0	0	100	OK
4.75 mm	69	69	6.90	93.10	OK
2.36 mm	860	929	92.90	7.10	OK
1.18 mm	62	991	99.10	0.90	OK
Pan	09				

 NCC LTD.	 PMC	 CLIENT
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	NCC LTD.		
	STATE WATER AND SANITATION MISSION		
	CLIENT: JJM / SWSM / DWSM		
CONSULTANT: Medhaj Techno Concepts Private Ltd.			
SPECIFIC GRAVITY OF PEA GRAVELS- 1.6 mm to 4.8 mm			
As per IS : 2386 (Part-3)			
Date of Testing-	25-09-23		
Test report no -	01		
SL NO.	DESCRIPTION	OBSERVATIONS	
1	Source of material :	Lalauwa - Nainital - Uttarakhand.	
2	Location :	NAME OF THE BLOCK - Bamsganj	
		NAME OF THE GRAM PANCHAYAT - Purnapam	
3	Date of sampling :	23-09-23	
4	Lab. Test no :	01	
5	Sample no :	01	
SPECIFIC GRAVITY TEST AT ROOM TEMPERATURE			
6	Weight of the Jar, W1 (gm)=	202	
7	Weight of Jar + Gravel, W2 (gm)=	450	
8	Weight of Jar + Gravel + Water, W3 (gm)=	855	
9	Weight of the Jar + Water, W4 (gm)=	725	
10	Specific Gravity =	$\frac{W2 - W1}{(W2 - W1) - (W3 - W4)}$	$\frac{198}{198 - 130} = 2.91$
Note : The Specific Gravity should not be less than 2.5			
 NCC LTD.		 PMC	
		 CLIENT	

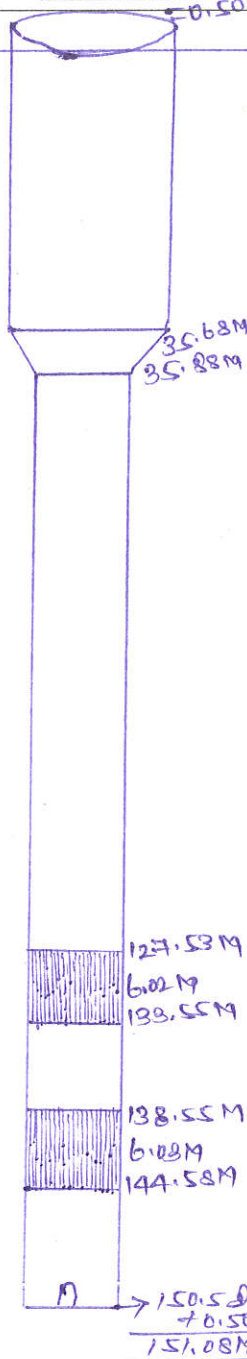
BORE WELL DEVELOPMENT CHART (E/M)

SWSM/DWSM

NCC LTD.- GORAKHPUR (UP)

NAME OF THE DISTRICT- <u>Uttarakhand</u>	TYPE OF RIG M/C- <u>RIC</u>
NAME OF THE BLOCK- <u>Bareilly</u>	SIZE OF BORE- <u>500x550 MM</u>
NAME OF THE GRAM PANCHAYAT- <u>Purva Pur</u>	STATIC WATER LEVEL- <u>-</u>
NAME OF THE VILLAGE- <u>-</u>	J.E Incharge _____ A.E Incharge _____

DEPTH B.G.L. IN METER	BORING CHART	STRATA	EXECUTED ASSEMBLY	ASSEMBLY DETAILS
0 M				200 mm Dia Housing Pipe A.G.L. = 0.50 m
		CLAY		200 mm Dia Housing Pipe - m to 36.18 m
				200/150 mm Dia Reducer 35.68 m to 35.88 m
				150 mm Dia 84ND pipe 35.88 m to 127.58 m
22.0 M		MEDIUM SAND		150 mm Dia SLOTTED pipe 127.58 m to 138.55 m
26.20 M		CLAY & KANKAR		150 mm Dia 84ND pipe 138.55 m to 144.58 m
30.50 M		FINE TO MEDIUM SAND & KANKAR		150 mm Dia SLOTTED pipe 144.58 m to 150.58 m
				mm Dia pipe m to m
36.20 M		CLAYEY SAND		mm Dia pipe m to m
41.20 M		FINE TO MEDIUM SAND		mm Dia pipe m to m
48.50 M		CLAY & KANKAR		mm Dia pipe m to m
59.50 M		FINE SAND		mm Dia pipe m to m
63.20 M		SANDY CLAY		mm Dia pipe m to m
78.20 M		FINE TO MEDIUM SAND		mm Dia pipe m to m
82.50 M		SANDY CLAY & KANKAR		mm Dia pipe m to m
94.50 M		FINE SAND		mm Dia pipe m to m
98.20 M		CLAYEY SAND		mm Dia pipe m to m
127.50 M		FINE TO MEDIUM SAND		mm Dia pipe m to m
				mm Dia pipe m to m
134.20 M		FINE TO MEDIUM SAND & KANKAR		mm Dia pipe m to m
138.20 M		FINE TO MEDIUM SAND		mm Dia pipe m to m
				mm Dia pipe m to m
150.50 M		CLAY		mm Dia pipe m to m
165.0 M				mm Dia pipe m to m



Total Assembly = 150.58 m + A.G.L. (m) = 0.50 m = 151.08 m

ABSTRACT

1. Drilling Started-	
2. Drilling Completed/Lowering-	29-09-23
3. Drilling Depth (m)-	165.0 M
4. Assembly Lowered (m)-	151.08 M
5. Housing Pipe (m)-	36.18 M
6. Plain Pipe (m)-	102.65 M
7. Slotted Pipe (m)-	12.05 M
8. Reducer (m)-	0.20 M

LOGGING REPORT

1-	22-26 = 4.0 M
2-	30-36 = 6.0 M
3-	41-48 = 7.0 M
4-	59-63 = 4.0 M
5-	78-82 = 4.0 M
6-	94-98 = 4.0 M
7-	127-134 = 7.0 M
8-	138-150 = 12.0 M
9-	
10-	

SOUND TEST-			
VERTICALITY TEST-			
Skip	AKM		
NCC LTD	J.E & A.E	P.M.C.T.P.I.A	E.E



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Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref. 923 – P / AX - 2023 Date 23.09.2023

Geophysical Borehole Logging Report

Name of the site : Puraspar, Block- Bansaon

District : Gorakhpur

Date : 23.09.2023

Depth logged : 160.0 mbgl

Depth drilled : 165.0 mbgl- as reported

Logger used : Robertson make

Presence : Representative of M/S NCC Limited, Gorakhpur - South

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	22.0—26.0	4.0	Good all
2	30.0—36.0	6.0	
3	41.0—48.0	7.0	
4	59.0—63.0	4.0	
5	78.0—82.0	4.0	
6	94.0—98.0	4.0	
7	✓ 127.0—134.0	7.0	
8	✓ 138.0—150.0	12.0	

Note. All zones are intermixed with fine bands of kankar.

David

for Aqua Xplore

CC;

1. Executive Engineer, C.D. (Rural), U.P.Jal Nigam, Gorakhpur.
2. M/S NCC Limited, Gorakhpur –South, SWSM.

LOWERING ASSEMBLY CHART

Date: 29/9/23

Discharge: LPM

Depth: 165 mtr

Block: Banggaon

Gram Panchayat: Puranpar

OHT Village:

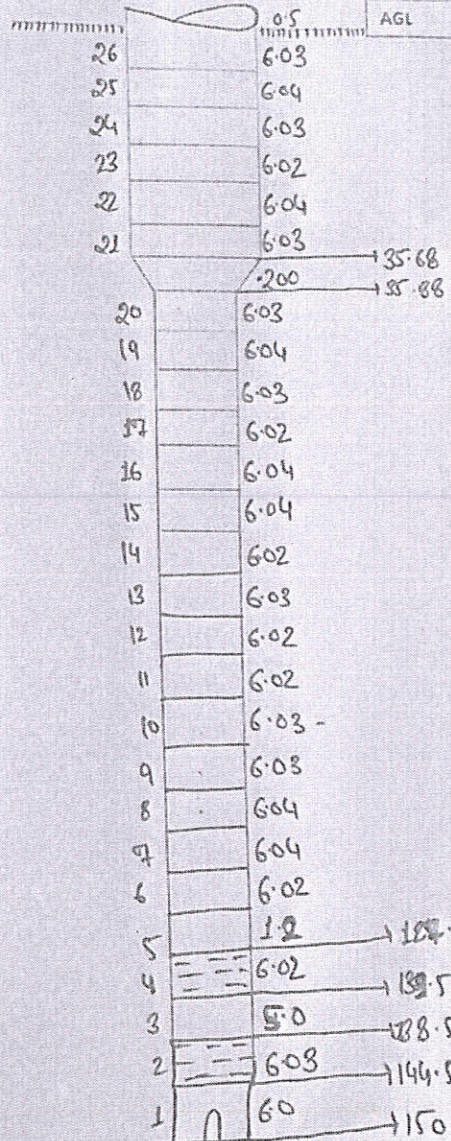
Bore Size: 500mm x 110mm

TW Pipe Assembly: 200x150mm

Logging Report :-

- ① 22.0 - 26.0 - 4.0
- ② 30.0 - 36.0 - 6.0
- ③ 41.0 - 46.0 - 7.0
- ④ 59.0 - 63.0 - 4.0
- ⑤ 78.0 - 82.0 - 4.0
- ⑥ 94.0 - 98.0 - 4.0
- ⑦ 127.0 - 134.0 - 7.0
- ⑧ 138.0 - 150.0 - 12.0

HOUSING PIPE - 8.18 mtr
 PLAIN PIPE - 102.65 mtr
 SLOTTED PIPE - 12.05 mtr



SK
NCC

TPI

JAL NIGAM