

NCC

SWSM PROJECTS – UP – GORAKHPUR

Project Name : Survey, Design, Preparation of DPR, Construction, Commissioning and O&M for 10 years of Various Rural Water Supply Project in the State of Uttar Pradesh– Gorakhpur District
Client : SWSM/DWSM-UP-GKP
Consultant : Medhaj Techno Concept Pvt. Ltd.
Contractor : NCC Limited

Request For Inspection

RFI No:	SWSM-UP-GKP/N/S/ Tuties	Date And Time - 03/04/2022	
Description:	Laying of pipe with Assembly & filling of pea-gravel.		
Location:	Block - Bagaha, Col - Rajgarh		
Preceding RFI No.	NA		
Commencement of work:	04/04/22		
Submitted By:	Ajay Kumar		
Signature:	Ajay Kumar		
Designation:	CIVIL (J.E.)		
Concessionaire:	Proceed	Hold	
Name:			
Designation:			
Comments:	<p>① Pea Gravel is not available at work site</p> <p>② Camp is not available at site. & Husky cap also not available.</p>		

Ajay Kumar

Signature
Contractor Representative

Shailendra
5/04/2022
SP/EA

Signature
Consultant Representative

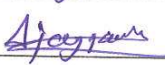
Signature
Client Representative

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 Consultant : Medhaj Techno Concept Pvt. Ltd.
 Contractor : NCC Limited

Request For Inspection

RFI No:	SWSM-UP-GKP/S/ TWS/105/R ₁	Date And Time -	05/04/2022
Description:	Rectificationy Compliance.		
Location:	Block Bagaha, C.T- Rajgarh.		
Preceding RFI No.	SWSM-UP-GKP/S/ TWS/105		
Commencement of work:	05/04/2022		
Submitted By:	Ajay Kumar.		
Signature:			
Designation:	JE (CIVIL)		
Concessionaire:	Proceed	Hold	
Name:			
Designation:			
Comments:	<p>① Per- Channel is available onsite, filling done in Tubewell Assembly.</p> <p>② Comp's Housing cap is available onsite.</p>		


 Signature
 Contractor Representative


 Signature
 Consultant Representative

Signature
 Client Representative

Rajgarh



12

NCC
NCC Limited

NCC LTD.

STATE WATER AND SANITATION MISSION

CLIENT: JJM / SWSM / DWSM

GORAKHPUR-UP



SPECIFIC GRAVITY OF PEA GRAVELS (SIZE- 1.6 mm to 4.8 mm)
As per IS : 2386 (Part-3)

Date of Testing-

08/04/2022

Test report no :

NCC / GKP-S / QC / 105

SL NO.

DESCRIPTION

OBSERVATIONS

1

Source of material :

Zalkuan, Nainital, Uttarakhand

2

Location :

NAME OF THE BLOCK - CARGARA

NAME OF THE GRAM PANCHAYAT - RAJGARA

3

Date of sampling :

05/04/2022

4

Lab. Test no :

105

5

Sample no :

105

SPECIFIC GRAVITY TEST AT ROOM TEMPERATURE

6

Weight of the Jar, W1 (gm)=

246 gm

7

Weight of Jar + Gravel, W2 (gm)=

470 gm

8

Weight of Jar + Gravel + Water, W3 (gm)=

861 gm

9

Weight of the Jar + Water, W4 (gm)=

719 gm

10

Specific Gravity

W2 - W1

224

=

(W2 - W1) - (W3 - W4)

224 - 142






= 2.73

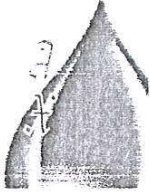
Note : The Specific Gravity should not be less than 2.5

NCC LTD.

PMC/TPIA

CLIENT

	NCC LTD.				
	STATE WATER AND SANITATION MISSION				
	CLIENT: JJM / SWSM / DWSM				
GORAKHPUR-UP					
SIEVE ANALYSIS OF PEA GRAVELS (SIZE-1.6 mm to 4.8 mm)					
(As per IS : 460 and IS: 4097)					
Date of Testing :	06/04/2022				
Test report no :	NCC/GKP-S/OC/105				
SL NO.	DESCRIPTION	OBSERVATIONS			
1	Source of material :	Zalkuan, Nainital, Uttarakhand.			
2	Location :	Block Name-	GADANA		
		G.P Name-	RAJGARH		
3	Date of sampling :	05/04/2022			
4	Lab. Test no :	105			
5	Sample no. :	105			
6	Total wt. of sample (gm) :	2000gm.			
SIEVE ANALYSIS					
IS Sieve Size	retained	Cumulative wt. Retained (gm)	Cumulative % wt. Retained	% passing	Acceptable / Not Acceptable
6.3 mm	00	00	00	100	
4.75 mm	233	233	23.3	76.7	
2.36 mm	649	882	88.2	11.80	
1.18 mm	113	995	99.5	0.5	
Pan	05				
Total(gm)=	1000				
The Hardness of Material is=					
Note:- The Hardness value should not be less than 5 in Moh's scale.					
 NCC LTD.		 PMC/TPIA		 CLIENT	



Aqua Xplore

(Groundwater Assessment & Allied Services)

243/5, New Colony Jiyamau, Hazratganj, Lucknow – 226001
Mob. 9918202546 / 9889323322, Email-aquaxplorelko@gmail.com

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

Ref 402 - R / AX - 2022 Date 02.04.2022

Geophysical Borehole Logging Report

Name of the site : Rajgarh, Block- Gagaha
District : Gorakhpur
Date : 02.04.2022
Depth logged : ~~145.0~~ mbgl
Depth drilled : 145.0 mbgl
Logged by : Aqua Xplore
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--28.0	6.0	Good all
2	45.0--70.0	25.0	
3	89.0--93.0	4.0	
4	99.0--109.0	10.0	
5	115.0--140.0	25.0	

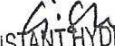
Note.

Verified as per logs provided.
cc: Note - Sr No 2-45-68 mbgl may consider.


for Aqua Xplore

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




ASSISTANT HYDROGEOLOGIST
MANTRIK MANDAL
U.P. JAL NIGAM (RURAL)
PRAYAGRAJ



TECHPRO ENGINEERS PVT. LTD.

(Laboratory Division)

Lab Add. 131, Ram Ganga Housing Society, Naramau, Kanpur- 209217,

Tel.: 0512-2525759, 09793209918, Web site: www.techproindia.com

e-mail: tepllab@gmail.com, info@techproindia.com,

Doc No.: TEQR-36C, Issue No.: 02, Issue Date: 18/08/20, Rev. No. : 01, Rev. Date: 10/12/2020

TEPL/MT/2022/136/R1

Dated: 05-03-2022

TEST REPORT

Name of Customer	:	Jal Nigam, Gorakhpur
Project	:	SWSM-JJM Project (Har Ghar Jal Mission) at Gorakhpur U.P.
Reference No.	:	SWSM-UP/GKP/QC/77
Sample supplied to Lab by	:	Customer representative
Name of Contractor/ Agency	:	NCC Ltd.
Sample Particulars	:	Pea-Gravel

Sample Receipt Date	:	03/03/2022	Job No.	:	MT136
Condition of sample	:	Satisfactory	SRF No.	:	2022/29
Type of Sample	:	Pea-Gravel	ULR No.	:	NA
Source of sample	:	Lalkuan (Uttarakhand)	Period of Testing	:	03/03/2022 to 05/03/2022

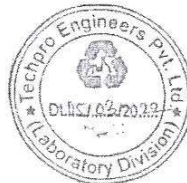
Terms & Conditions:

1	Results relate only to the test sample provided by customer.
2	This report is under copyright of Techpro Engineers Pvt. Ltd. (Laboratory Division) and is not to be reproduced, copied, handed over third party or used for any purpose other than for which it has been loaned.
3	The tested samples are retained for three months after issue of test report (if not collected by customer).
4	The unique identification of sample is as Job No. / Chainage No. /BH. No./Sl. No. But only Sl. No is mentioned in results.

Checked By:

Alok Chauhan

Alok Kumar Chauhan
(Technical Manager)



Approved By:

Arvind Kumar Garg

Arvind Kumar Garg
(Quality Manager)



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1. PHYSICAL TEST RESULT OF PEA GRAVEL

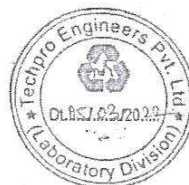
Sample Unique ID: MT136/TEPL/02

Sl. No.	Particular of Test	Test Passing %	Specification As Per IS (383 & 4097)	Test Method	Remarks
1.0	Sieve Analysis (% by weight)	12.5 mm	100	IS 2386 (Part-1) 1963, RA-2016	-
		8.0 mm	100		
		6.30mm	100		
		4.75 mm	80.90		
		3.35 mm	14.40		
		2.00 mm	8.60		
2.0	Combined Flakiness & Elongation Index (% by weight)	0.0	40 Max	IS 2386 (Part-1)-1963, RA-2016	Partical Size >6.3
3.0	Water Absorption (% by weight)	0.90	5 Max	IS 2386 (Part-3)-1963 RA-2016	-
4.0	Specific Gravity	2.66	2.1 - 3.2	IS 2386 (Part-3)-1963 RA-2016	-
5.0	Hardness Test (Number)	7.3	5 Min	IS 13630 (Part-13)-2006	-
6.0	Bulk Density , Kg/litre			IS 2386 (Part-3)-1963 RA-2016	-
	a) Compacted	1.59	NA		
	b) Loose	1.49	NA		



Checked By:

Alok Chauhan
Alok Kumar Chauhan
(Technical Manager)



Approved By:

Arvind Kumar Garg
Arvind Kumar Garg
(Quality Manager)