


# 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/Tw/120	Date And Time - 05/05/2022 9:30pm	
Description:	Laying of pipe with Assembly and filling Gravel		
Location:	Block-Gola GP- Barqaj Atmauli		
Preceding RFI No.	N.A.		
Commencement of work:	06/05/2022		
Submitted By:	Ankit Salunkhe		
Signature:			
Designation:	J.E. (civil)		
Concessionaire:	Proceed	Hold	
Name:	Shailesh Singh		
Designation:	Senior Engineer		
Comments:	<p>① Painting etc. done in good manner on Assembly Pipes and Accessories.</p> <p>② Bannicading of Excavation area is done on site.</p> <p>③ H-frame support are not fabricated.</p>		

  
Signature  
Contractor Representative



  
Signature  
Consultant Representative

Signature  
Client Representative

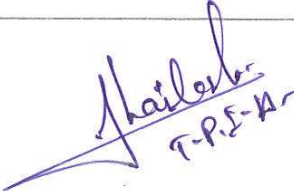
# NCC SWSM PROJECTS – UP – GORAKHPUR

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## Request For Inspection

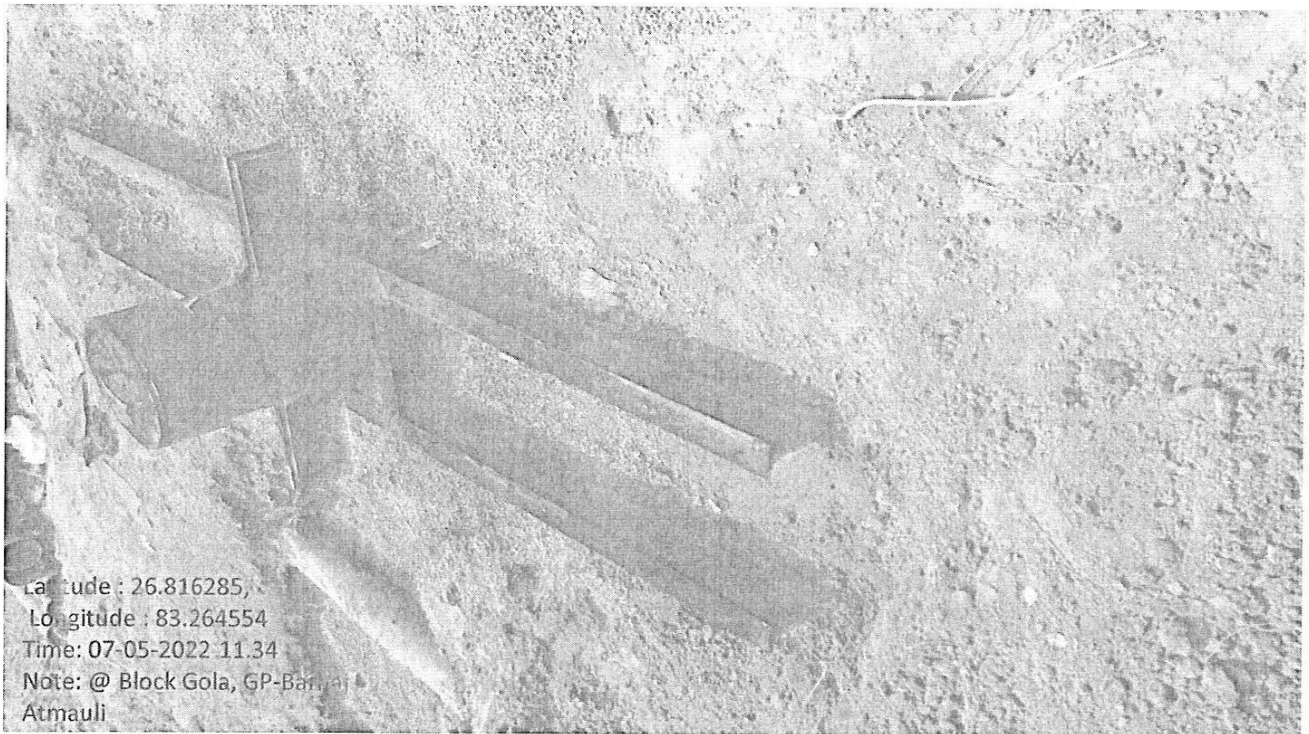
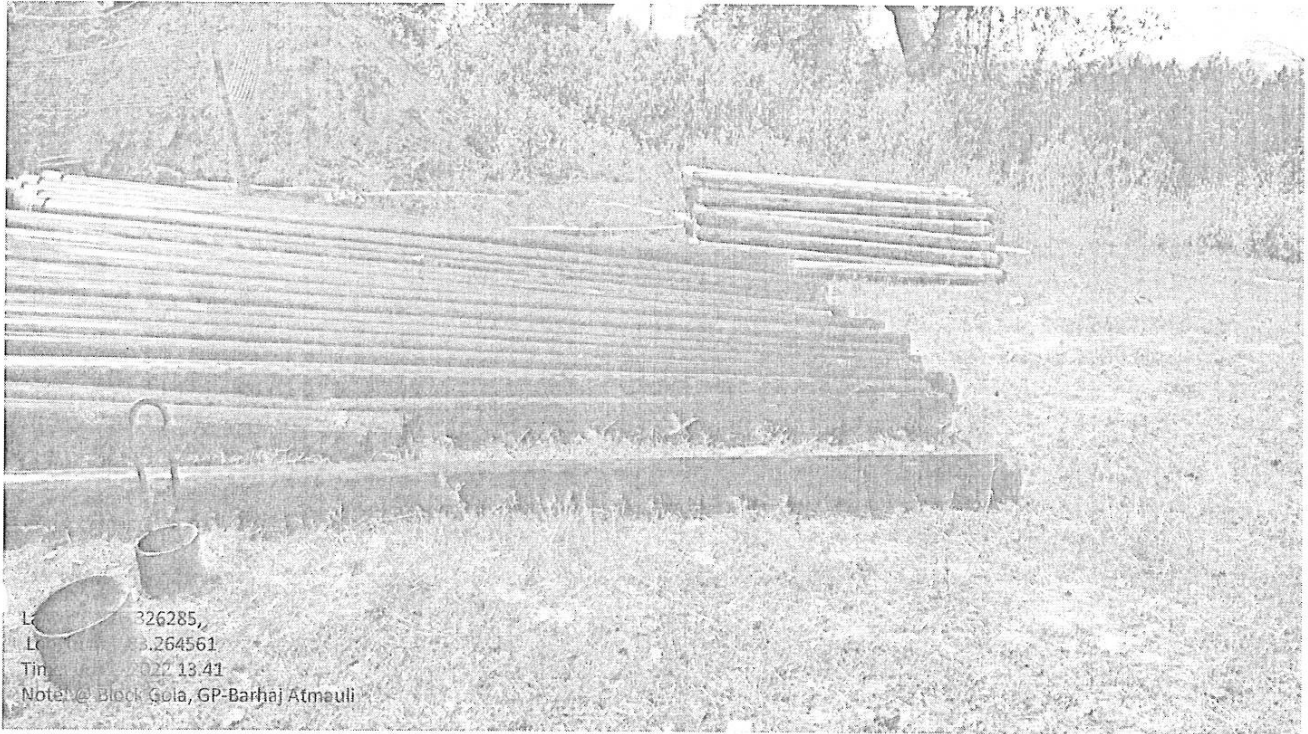
RFI No:	SWSM-UP-GKP/S/TW/120/R1	Date And Time -	08/05/2022
Description:	Rectification of compliance.		
Location:	Block- Gala, Crt. Barhaj Atmouli		
Preceding RFI No.	SWSM-UP-GKP/S/TW		
Commencement of work:	08/05/2022		
Submitted By:	Ankit Salokhe		
Signature:			
Designation:	JB (Civil)		
Concessionaire:	Proceed	Hold	
Name:			
Designation:			
Comments:	<p>① H-frame support gets fixed with tube well Assembly.</p> 		

  
 Signature  
 Contractor Representative

  
 Signature  
 Consultant Representative

  
 Signature  
 Client Representative

# Barhaj Atmauli





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 : 05/05/2022  
Test report no : NCC/GKP/S/OCD/123

SL NO.	DESCRIPTION	OBSERVATIONS
1	Source of material :	Lalkuan, Nainital, Uttarakhand
2	Location :	Block Name- COLA G.P Name- BARHAJ ATMAULI
3	Date of sampling :	04/05/2022
4	Lab. Test no :	123
5	Sample no. :	123
6	Total wt. of sample (gm) :	1000gm

## SIEVE ANALYSIS

IS Sieve Size	retained	Cumulative wt. Retained (gm)	Cumulative % wt. Retained	% passing	Acceptable / Not Acceptable
6.3 mm	09	09	0.9	99.1	OK
4.75 mm	165	174	17.4	82.6	OK
2.36 mm	735	909	90.9	9.1	OK
1.18 mm	90	999	99.9	0.1	OK
Pan	01				
Total(gm)=					

The Hardness of Material is=

Note:- The Hardness value should not be less than 5 in Moh's scale.

NCC LTD.

PMC/TPIA

CLIENT



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-

05/05/2022

Test report no :

NCC/CKP-S/DC/123

SL NO.

DESCRIPTION

OBSERVATIONS

1

Source of material :

Lalkuan, Nainital, Uttarakhand

2

Location :

NAME OF THE BLOCK - GOLA

NAME OF THE GRAM PANCHAYAT - BARHAJ ATMAULZ

3

Date of sampling :

04/05/2022

4

Lab. Test no :

123

5

Sample no :

123

**SPECIFIC GRAVITY TEST AT ROOM TEMPERATURE**

6

Weight of the Jar, W1 (gm)=

252 gm

7

Weight of Jar + Gravel, W2 (gm)=

457 gm

8

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

852 gm

9

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

724 gm

10

Specific Gravity =

W2 - W1

(W2 - W1) - (W3 - W4)

209

209-128

= 2.58

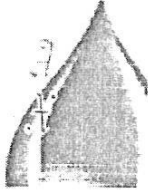
Note : The Specific Gravity should not be less than 2.5

NCC LTD.

PMC/TPIA

CLIENT





# Aqua Xplore

(Groundwater Assessment & Allied Services)

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

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

Ref 503 - B / AX - 2022

Date 03.05.2022

## Geophysical Borehole Logging Report

Name of the site : Bargaj Atmauli, Block- Gola

District : Gorakhpur

Date : 03.05.2022

Depth logged : 146.0 mbgl

Depth drilled : 167.0 mbgl


Loggee 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—30.0	8.0	Good all
<del>2</del>	32.0—36.0	4.0	
<del>3</del>	59.0—63.0	4.0	
<del>4</del>	76.0—96.0	20.0	
<del>5</del>	115.0—122.0	7.0	
<del>6</del>	134.0—138.0	4.0	
<del>7</del>	142.0—146.0	4.0	


Note. All zones are intermixed with fine bands of kankar. Sl. No. 3 is fine sand. Sl. No. 6 is very fine sand.

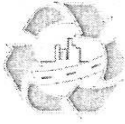
  
for Aqua Xplore

CC:

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

Verified as per  
logs provided.

  
ASSISTANT HYDROGEOLOGIST  
YANISIKI 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: teplab@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

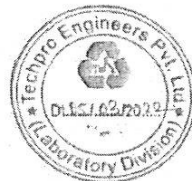
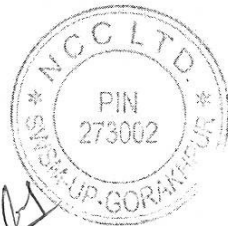
### Terms & Conditions:

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./SI. No. But only SI. No is mentioned in results.

Checked By:

*Alok Chauhan*

Alok Kumar Chauhan  
(Technical Manager)

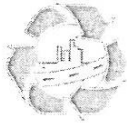


Approved By:

*Arvind Kumar Garg*

Arvind Kumar Garg  
(Quality Manager)





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

## 1. PHYSICAL TEST RESULT OF PEA GRAVEL

Sample Unique ID: MT136/TEPL/02

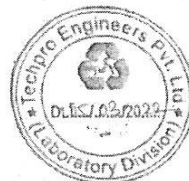
Sl. No.	Particular of Test	Test Passing %	Specification As Per IS (383 & 4097)	Test Method	Remarks
1.0	Sieve Analysis (% by weight)	12.5 mm	100	IS 2386 (Part-1) 1963, RA-2016	-
		8.0 mm	100		
		6.30mm	100		
		4.75 mm	80.90		
		3.35 mm	14.40		
		2.00 mm	8.60		
2.0	Combined Flakiness & Elongation Index (% 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)