

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/MS/TW/Usuwa/123	Date And Time	14/05/2022 @ 10:00 pm	
Description:	Lowering of pipe with assembly & filling of pea-gravel			
Location:	Block -Usuwa, GP- Sultanee.			
Preceding RFI No.	NA.			
Commencement of work:	15/05/2022			
Submitted By:	Balaram Gosai			
Signature:	Bg.			
Designation:	JE (CIVIL).			
Concessionaire:			Proceed	Hold
Name:				
Designation:				
Comments:	(1) H-beam support not fabricated on site (2) Pea gravel not available on site (3) Barricading of excavated area not done on site			

 Signature
 Contractor Representative

 Signature
 Consultant Representative

 Signature
 Client Representative

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
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 Contractor : NCC Limited

Request For Inspection

RFI No:	SWSM-UP-GKP/S/TW/123/R1	Date And Time	15/05/2022
Description:	Rectification of Compliance.		
Location:	Block- Urukwa, G.P. Subtonee.		
Preceding RFI No.	SWSM-UP-GKP/S/TW/123		
Commencement of work:	15/05/2022		
Submitted By:	Babrom Coroi		
Signature:	Bg.		
Designation:	JE (CIVIL)		
Concessionaire:	Proceed	Hold	
Name:			
Designation:			
Comments:	<p>① H-frame support gets fixed with Tubewell Assembly.</p> <p>② Ipa Coverl detected onsite & get packed with Tubewell Assembly.</p> <p>③ Banchading of excavated area done properly.</p>		

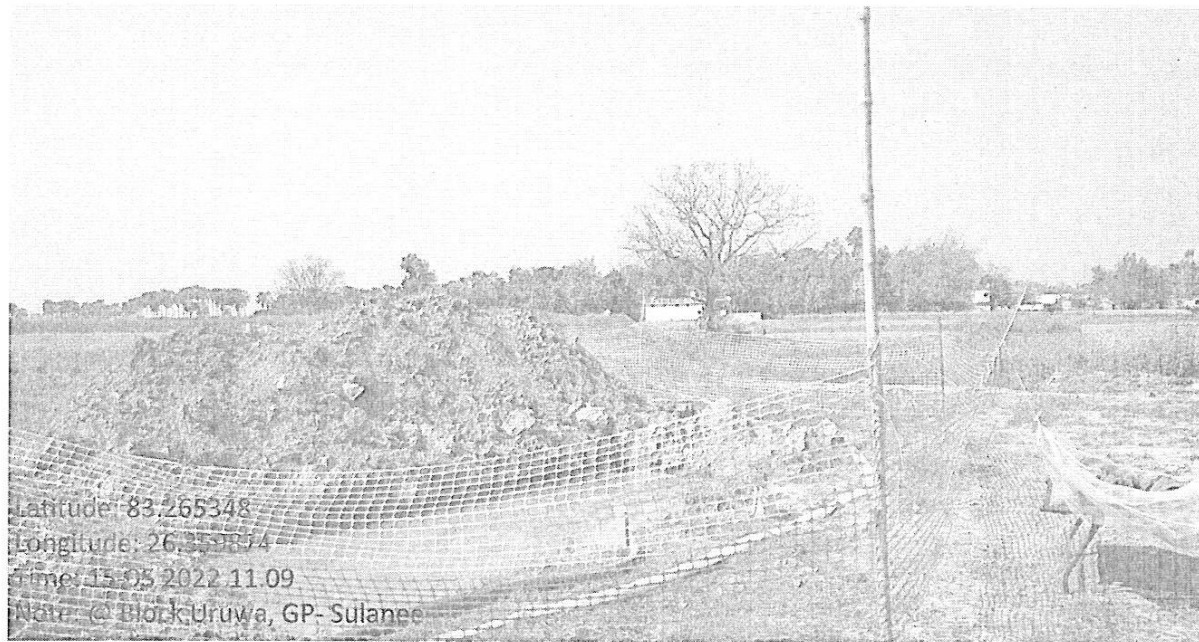
Bg.

Signature
Contractor Representative

Signature
Consultant Representative

Signature
Client Representative

Sultanee





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 : 13/05/2022

Test report no : NCC/GR-1/05/129

SL NO.	DESCRIPTION	OBSERVATIONS
1	Source of material :	Lalkuan, Mainital, Utharkhand.
2	Location :	Block Name- URUWA
		G.P Name- SOLTANEE
3	Date of sampling :	12/05/2022
4	Lab. Test no :	129
5	Sample no. :	129
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	04	04	0.4	99.6	OK
4.75 mm	118	122	12.2	87.8	OK
2.36 mm	756	878	87.8	12.2	OK
1.18 mm	120	998	99.8	0.2	OK
Pan	02				
Total(gm)=					

The Hardness of Material is=

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

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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-

13/05/2022

Test report no :

NCC/GRP-5/04/29

SL NO.

DESCRIPTION

OBSERVATIONS

1

Source of material :

Lalkuan, Nainital, Uttarakhand.

2

Location :

NAME OF THE BLOCK - URUWA

NAME OF THE GRAM PANCHAYAT - SULTANEE

3

Date of sampling :

12/05/2022

4

Lab. Test no :

129

5

Sample no :

129

SPECIFIC GRAVITY TEST AT ROOM TEMPERATURE

6

Weight of the Jar, W1 (gm)=

246 gm

7

Weight of Jar + Gravel, W2 (gm)=

466 gm

8

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

856 gm

9

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

720 gm

10

Specific Gravity
=

W2 - W1

(W2 - W1) - (W3 - W4)

220

220 - 136

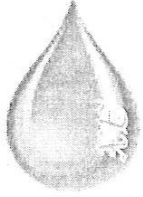
= 2.61

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 514 - S / AX - 2022 Date 14.05.2022

Geophysical Borehole Logging Report

Name of the site : Sultanee, Block- Uruwa
District : Gorakhpur
Date : 14.05.2022
Depth logged : 135.0 mbgl
Depth drilled : 155.0 mbgl
Loggee used : UPTRON 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;

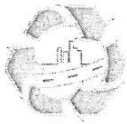
Sl.No.	Depth range(mbgl)	Thickness(m)	Remarks
1	27.0---42.0	15.0	Good all
2	45.0---57.0	12.0	
3	60.0---65.0	5.0	
4	81.0---88.0	7.0	
5	95.0---105.0	10.0	
6	110.0---115.0	5.0	
7	123.0---130.0	7.0	

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

CC: Verified as per logs provided.
Note- Sr. No 5-95-104 mbgl may consider.
GSL
14/5/22

for Aqua Xplore

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



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

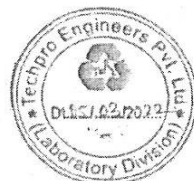
Terms & Conditions:

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

Checked By:

Alok Chauhan

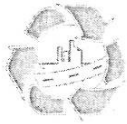
Alok Kumar Chauhan
(Technical Manager)



Approved By:

Arvind Kumar Garg

Arvind Kumar Garg
(Quality Manager)



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1. PHYSICAL TEST RESULT OF PEA GRAVEL

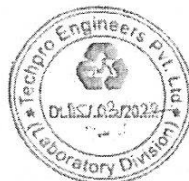
Sample Unique ID: MT136/TEPL/02

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		



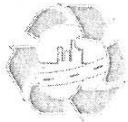
Checked By:

Alok Chauhan
Alok Kumar Chauhan
(Technical Manager)



Approved By:

Arvind Kumar Garg
Arvind Kumar Garg
(Quality Manager)



TECHPRO ENGINEERS PVT. LTD.

(Laboratory Division)

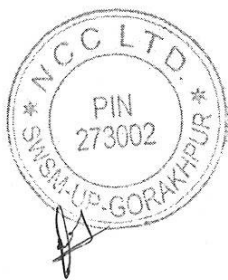
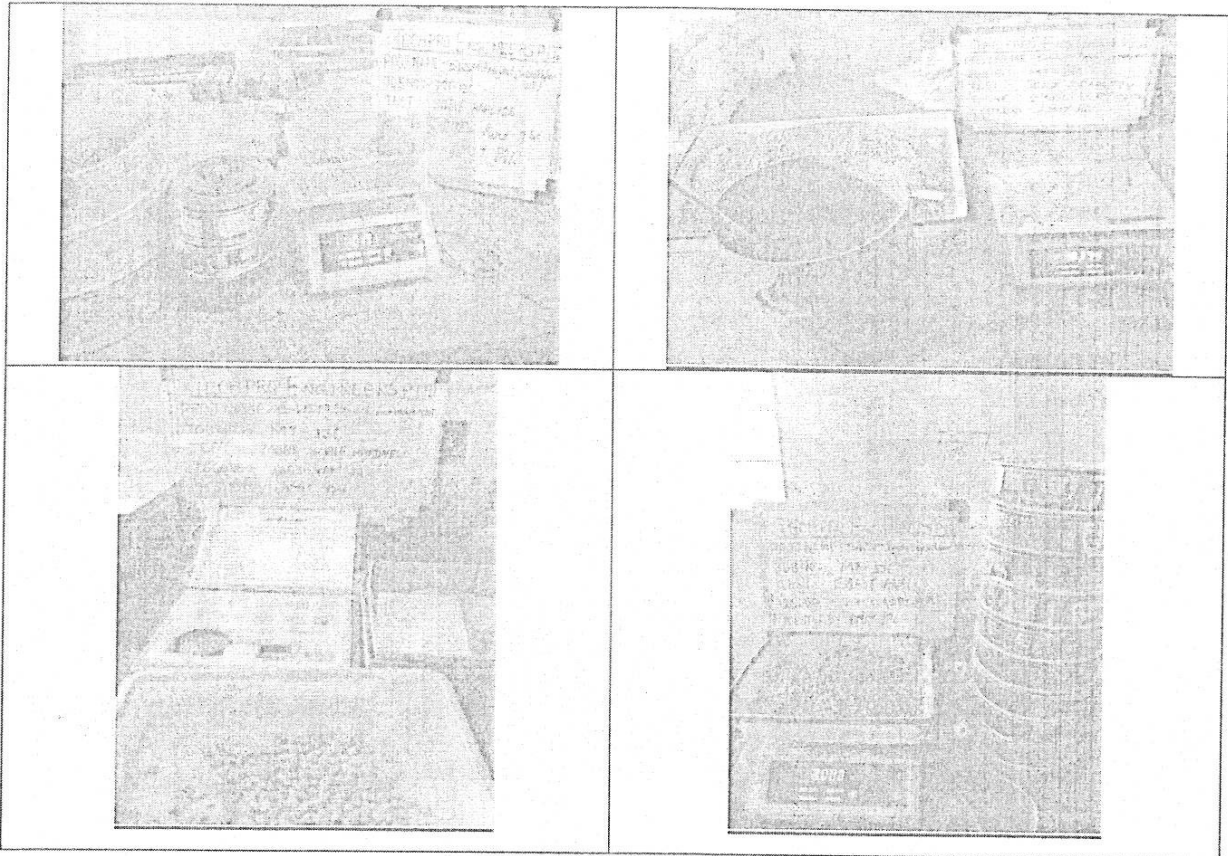
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PHOTOGRAPHS



END OF REPORT