



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/Belghat/17.	Date And Time -	27/02/2022 /10:30 pm
Description:	Lowering of pipe with assembly & fittings of p-gravel.		
Location:	Block -Belghat, GP - Makraha.		
Preceding RFI No.	NA.		
Commencement of work:	28/02/2022		
Submitted By:	Balaram Gorai		
Signature:	Bg.		
Designation:	JE (civil) .		
Concessionaire:	Proceed	Hold	
Name:			
Designation:			
Comments:	1) p-gravel sieve analysis test required - 2) housing clamp not available on site -		

By _____
Signature
Contractor Representative

Signature
Consultant Representative

Signature
Client Representative

NCC SWSM PROJECTS – UP – GORAKHPUR

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Contractor : NCC Limited

Request For Inspection

RFI No:	SWSM-UP-GKP/S/TW/Belghat/17/R1	Date And Time -	28/02/2022
Description:	Rectification of Compliance.		
Location:	Block- Belghat, G.P. Makraha.		
Preceding RFI No.	SWSM-UP-GKP/S/TW/Belghat/17		
Commencement of work:	28/02/2022		
Submitted By:	Balram Gauri		
Signature:	By.		
Designation:	JE (Civil)		
Concessionaire:	Proceed	Hold	
Name:			
Designation:			
Comments:	① Pea-Crawl Sieve Analysis test report is attached. ② Housing clamp gets fixed with Tubewell Assembly.		

By.
Signature
Contractor Representative

Signature
Consultant Representative

Signature
Client Representative

Makraha



Time: 01-03 2022 14.36
Note: @ Block Belghat,
GP- Makraha

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-	27/02/2022
Test report no :	NCC/GMP-5/01/020

SL NO.	DESCRIPTION	OBSERVATIONS
1	Source of material :	Zakuan, Nainital, Uttarakhand
2	Location :	NAME OF THE BLOCK - Belghat
		NAME OF THE GRAM PANCHAYAT - Makrcha.
3	Date of sampling :	26/02/2022
4	Lab. Test no :	do
5	Sample no :	do

SPECIFIC GRAVITY TEST AT ROOM TEMPERATURE

6	Weight of the Jar, W1 (gm)=	252gm	
7	Weight of Jar + Gravel, W2 (gm)=	474gm	
8	Weight of Jar + Gravel + Water, W3 (gm)=	869gm	
9	Weight of the Jar + Water, W4 (gm)=	724gm	
10	Specific Gravity	$\frac{W2 - W1}{(W2 - W1) - (W3 - W4)}$	$= \frac{222}{222 - 145} = 2.88$
	=		

Note : The Specific Gravity should not be less than 2.5

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PMC/TPIA

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STATE WATER AND SANITATION MISSION

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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 : 27/02/2022
Test report no : NCC/UP-S/O/080

SL NO.	DESCRIPTION	OBSERVATIONS
1	Source of material :	Lalkuan, Mainital, Uttaranchal.
2	Location :	Block Name- Belghat G.P Name- Makraha.
3	Date of sampling :	28/02/2022
4	Lab. Test no :	80
5	Sample no. :	80
6	Total wt. of sample (gm) :	1000 gm

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	116	125	12.5	87.5	OK
2.36 mm	726	851	85.1	14.9	OK
1.18 mm	148	999	99.9	0.1	OK
Pan	01				
Total(gm)=					

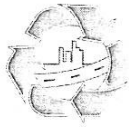
The Hardness of Material is=

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

NCC LTD.

PMC/TPIA

CLIENT



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:

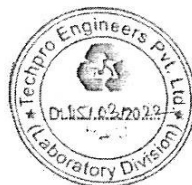
1	Results relate only to the test sample provided by customer.
2	This report is under copyright of Techpro Engineers Pvt. Ltd. (Laboratory Division) and is not to be reproduced, copied, handed over third party or used for any purpose other than for which it has been loaned.
3	The tested samples are retained 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

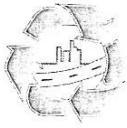
Alok Kumar Chauhan
(Technical Manager)



Approved By:

Arvind Kumar Garg

Arvind Kumar Garg
(Quality Manager)



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(Laboratory Division)

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1. PHYSICAL TEST RESULT OF PEA GRAVEL

Sample Unique ID: MT136/TEPL/02

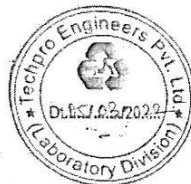
Sl. No.	Particular of Test	Test Passing %	Specification As Per IS (383 & 4097)	Test Method	Remarks
1.0	Sieve Analysis (% by weight)	12.5 mm	100	IS 2386 (Part-1) 1963, RA-2016	-
		8.0 mm	100		
		6.30mm	100		
		4.75 mm	80.90		
		3.35 mm	14.40		
		2.00 mm	8.60		
2.0	Combined Flakiness & Elongation Index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

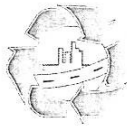
Alok Kumar Chauhan
(Technical Manager)



Approved By:

Arvind Kumar Garg

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(Quality Manager)



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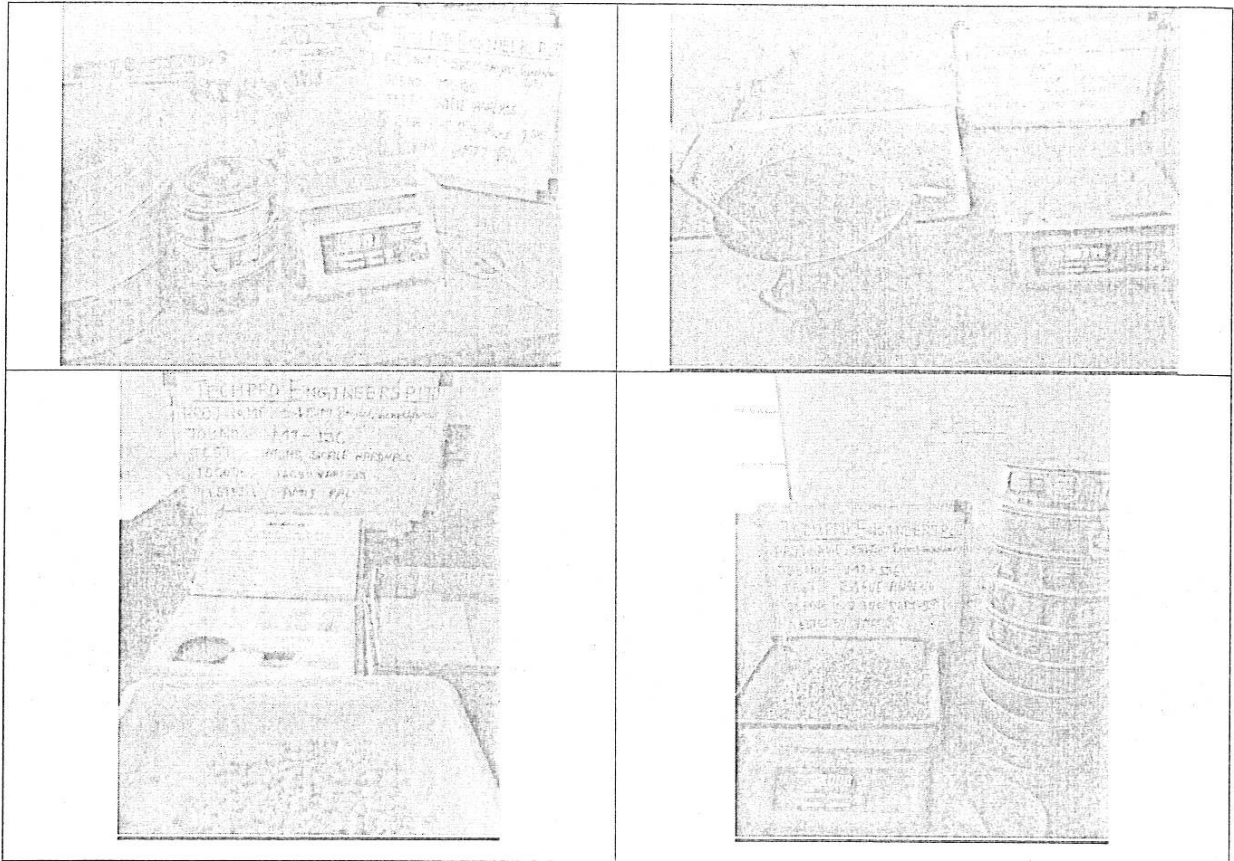
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PHOTOGRAPHS



END OF REPORT