



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/136.	Date And Time - 28/05/2022 @ 9:30 am	
Description:	Lowering of pipe with assembly & filling of pea-gravel.		
Location:	Block - Belghat, GP - Katya		
Preceding RFI No.	NA.		
Commencement of work:	29/05/2022		
Submitted By:	Chandrabhas Singh		
Signature:			
Designation:			
Concessionaire:	Proceed	Hold	
Name:			
Designation:			
Comments:	<p>① Safety Broadcasting was not done at site. ② welding test was not done. ③ Pea gravel test report not provided</p>		

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
 Client : SWSM/DWSM-UP-GKP
 Consultant : Medhaj Techno Concept Pvt. Ltd.
 Contractor : NCC Limited

Request For Inspection

RFI No:	SWSM-UP-GKP/S/TW/ Belghat 126/R ₁	Date And Time -	29/05/2022
Description:	Rectification of Compliance.		
Location:	Block- Belghat Cat-Kalya.		
Preceding RFI No.	SWSM-UP-GKP/S/TW/126		
Commencement of work:	29/05/2022		
Submitted By:	Chandrabas Singh		
Signature:			
Designation:	JE (Civil)		
Concessionaire:	Proceed	Hold	
Name:			
Designation:			
Comments:	<p>① Safety Bombarding get done for excavated Area.</p> <p>② Per-Enamel test report is attached.</p>		


 Signature
 Contractor Representative


 Signature
 Consultant Representative

 Signature
 Client Representative

Katya



Latitude : 26.836220

Longitude : 83.254514

Time : 29-05-2022 14:25

Note: @ Block Belghat, GP, Katya

NCC
NCC Limited

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 : 25/05/2022

Test report no : NCC/GRK-5/06/132

SL NO.	DESCRIPTION	OBSERVATIONS
1	Source of material :	Lalkuan, Nainital, Uttarakhand.
2	Location :	Block Name- BELCHAT G.P Name- KATYA
3	Date of sampling :	24/05/2022
4	Lab. Test no :	132
5	Sample no. :	132
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	05	05	0.5	99.5	OK
4.75 mm	122	127	12.7	87.3	OK
2.36 mm	735	862	86.2	13.8	OK
1.18 mm	137	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



SPECIFIC GRAVITY OF PEA GRAVELS (SIZE- 1.6 mm to 4.8 mm)

As per IS : 2386 (Part-3)

Date of Testing-

25/05/2022

Test report no :

NCC/GRP-5/BC/132

SL NO.	DESCRIPTION	OBSERVATIONS
1	Source of material :	Lalkuan, Nainital, Uttarakhand
2	Location :	NAME OF THE BLOCK - BELGHAT
		NAME OF THE GRAM PANCHAYAT - KATYA
3	Date of sampling :	24/05/2022
4	Lab. Test no :	132
5	Sample no :	132

SPECIFIC GRAVITY TEST AT ROOM TEMPERATURE

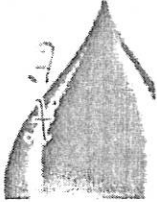
6	Weight of the Jar, W1 (gm)=	252gm
7	Weight of Jar + Gravel, W2 (gm)=	442gm
8	Weight of Jar + Gravel + Water, W3 (gm)=	842gm
9	Weight of the Jar + Water, W4 (gm)=	724gm
10	Specific Gravity =	$\frac{W2 - W1}{(W2 - W1) - (W3 - W4)} = \frac{190}{190 - 148} = 2.63$

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 526 - K / AX - 2022 Date 26.05.2022

Geophysical Borehole Logging Report

Name of the site : Katya, Block- Belghat

District : Gorakhpur

Date : 26.05.2022

Depth logged : 130.0 mbgl

Depth drilled : 145.0 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	26.0--30.0	4.0	Good all
2	38.0--42.0	4.0	
3	47.0--54.0	7.0	
④	60.0--67.0	7.0	
5	78.0--92.0	14.0	
6	110.0--130.0	20.0	

Note. All zones are intermixed with fine bands of kankar. Sl.No. 4 is fine sand.

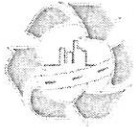
for Aqua Xplore

CC;

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

Verified as per logs provided.

G. S. Chandra
ASSISTANT HYDROGEOLOGIST
YANTRIK NAGAR
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

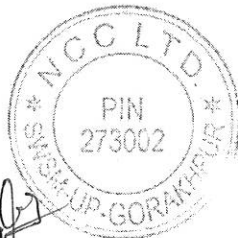
Terms & Conditions:

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

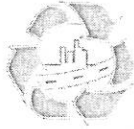
Alok Kumar Chauhan
(Technical Manager)



Approved By:

Arvind Kumar Garg

Arvind Kumar Garg
(Quality Manager)



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(Laboratory Division)

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

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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

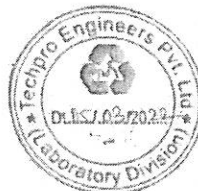
Sl. No.	Particular of Test	Test Passing %	Specification As Per IS (383 & 4097)	Test Method	Remarks
1.0	Sieve Analysis (% by weight)	12.5 mm	100	IS 2386 (Part-1) 1963, RA-2016	-
		8.0 mm	100		
		6.30mm	100		
		4.75 mm	80.90		
		3.35 mm	14.40		
		2.00 mm	8.60		
2.0	Combined Flakiness & Elongation Index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

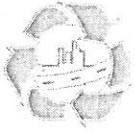
Alok Kumar Chauhan
(Technical Manager)



Approved By:

Arvind Kumar Garg

Arvind Kumar Garg
(Quality Manager)



TECHPRO ENGINEERS PVT. LTD.

(Laboratory Division)

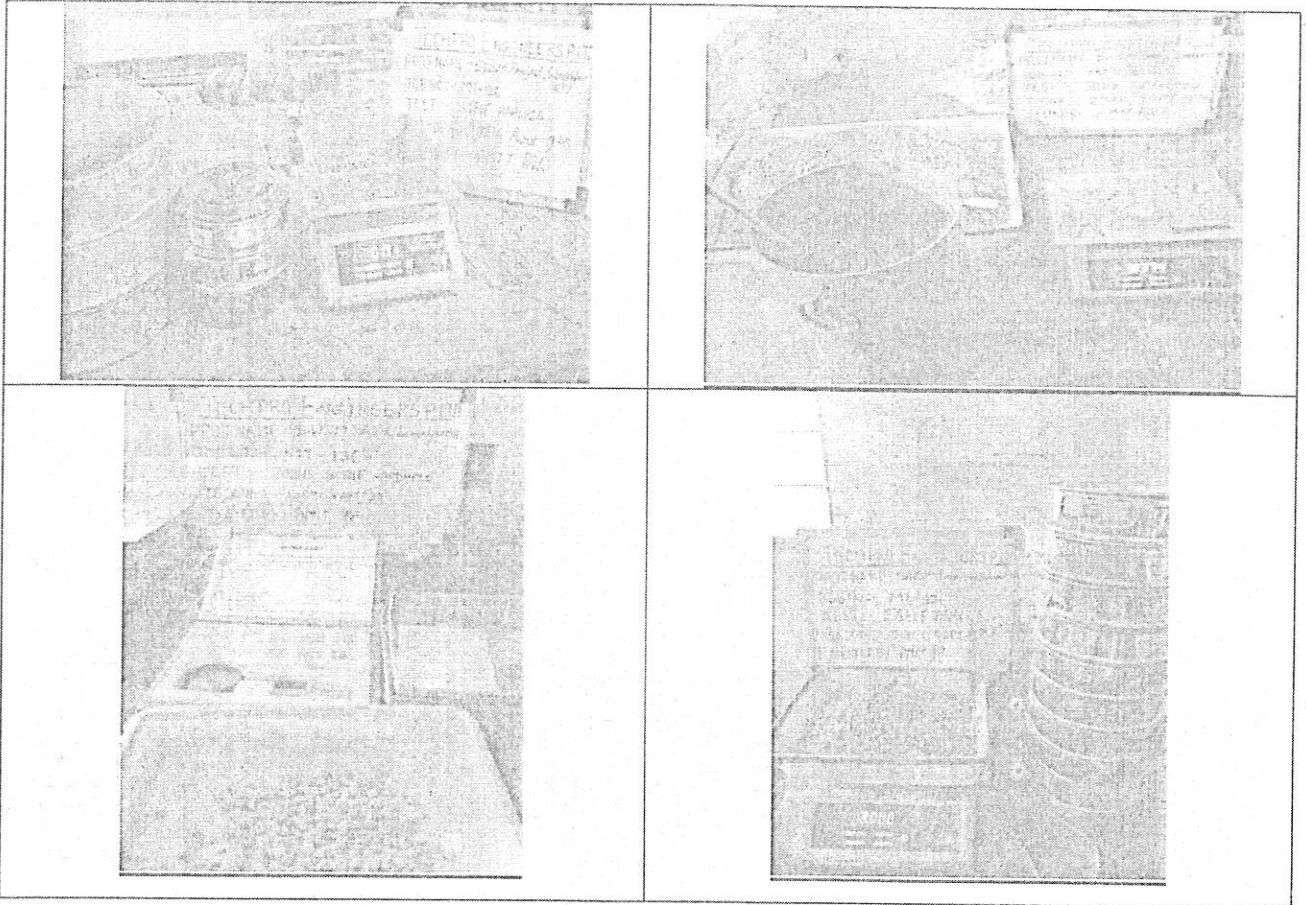
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Doc No.: TEQR-36C, Issue No.: 02, Issue Date: 18/08/20, Rev. No. : 01, Rev. Date: 10/12/2020

PHOTOGRAPHS



END OF REPORT



प्रोजेक्ट्स एण्ड डेवलपमेंट इण्डिया लिमिटेड
PROJECTS & DEVELOPMENT INDIA LIMITED

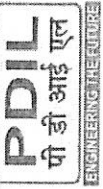
Inspection Report/Certificate

Certificate/Report No. 1500-005000049311-C
Dated 14.02.2022

Client /Purchaser		M/S SWSM UP/ M/S NCC LIMITED		Inspection office		INSP NOIDA					
P.O. No. & Date		NCC/SWSM-GORAKHPUR-SOUTH/215721-22 03.02.2021		Start Date of Inspection		12.02.2022					
Supplier /Manufacturer		M/S DADU PIPES (P) LTD.		End Date of Inspection		12.02.2022					
Sub Supplier		NA		PDIL Job no		4004006945					
Sub supplier P.O.No & date		NA		PDIL Sales Order No.		LS					
Project Name		NA		Total P.O. value		LS					
Client Reference		NA		Total inspected item value		LS					
P.O.Status		COMPLETE		Inspection Status		FINAL					
SI No.	P.O./BOM /Item No.	Description (Nomenclature, Size, Final Specification)	Unit	Ordered Qty	Offered Qty	Inspected Qty	Status	Accepted Qty	Cummulative Qty	Document Ref.	Heat no./batch No./Earlier certificate NO./material identification etc.
01	01	150MM DIA 5.4 MM THK (THE SLOT SIZE SHALL BE 75MM*1.20MM AND IT SHOULD BE ZIG-ZAG PATTERN AS PER IS8110)	MTR	738	738	738	A	738	738	AS PER PO	BATCH NO.: 22B05
02	02	200MM DIA 7.1 MM THK (THE SLOT SIZE SHALL BE 75MM*1.20MM AND IT SHOULD BE ZIG-ZAG PATTERN AS PER IS8110)	MTR	108	108	108	A	108	108	AS PER PO	BATCH NO.: 22B01
03	03	150MM DIA 5MM THK MS ERW PIPE AS PER IS 4270	MTR	1458	1470	1470	A	1458	1458	AS PER PO	BATCH NO.: 22B04
04	04	300MM DIA 7.1MM THK	MTR	468	480	480	A	468	468	AS PER PO	BATCH NO.: 22A29

Status Code (for details refer remarks): A- Accepted, B- Customer Clearance Required, D-Deviated, P- Partial Accepted, R- Rejected, S- Stage, W- Rework, X-Refer Remarks	
Signature	
Name	SANDEEP SINGH BHARADWAJ
Company/organization	PDIL (Inspection & NDT)
	Client/Purchaser
	Supplier/Manufacturer
	Sub Supplier

* This Inspection Certificate is issued without prejudice of contractual obligation of the supplier and does not relieve him from the guarantees and obligations set forth in purchase order and attachment.



प्रोजेक्ट्स एण्ड डेवलपमेंट इण्डिया लिमिटेड
PROJECTS & DEVELOPMENT INDIA LIMITED

Inspection Report/Certificate

Certificate/Report No. 1500-005000049311-C
Dated 14.02.2022

Client / Purchaser	M/S SWSM UP/ M/S NCC LIMITED	Inspection office	INSP NOIDA							
P.O. No. & Date	NCC/SWSM-GORAKHPUR-SOUTH/2157/21-22 03.02.2021	Start Date of Inspection	12.02.2022							
Supplier /Manufacturer	M/S DADU PIPES (P) LTD.	End Date of Inspection	12.02.2022							
Sub Supplier	NA	PDIL Job no	4004006945							
Sub supplier P.O.No & date	NA	PDIL Sales Order No.								
Project Name		Total P.O. value	LS							
Client Reference		Total inspected item value	LS							
P.O.Status	COMPLETE	Inspection Status	FINAL							
SI No.	P.O./BOM /Item No.	Description (Nomenclature,Size,Final Specification)	Unit	Ordered Qty	Offered Qty	Inspected Qty	Accepted Qty	Cummulative Qty	Document Ref.	Heat no./batch No./Earlier certificate NO./material identification etc.
		MS ERW PIPE AS PER IS4270								

Inspection/Test:

INSPECTION CARRIED OUT AS PER APPROVED QAP & IS4270

- 1) VISUAL & PHYSICAL INSPECTION FOR QUANTITY, MARKING, FINISHING AND FOUND OK.
- 2) DIMENSION CHECKED AND FOUND WITHIN TOLERANCE LIMITS.
- 3) TENSILE TEST, ELONGATION, FLATTENING & HYDRO TEST WITNESSED OF RANDOMLY SELECTED SAMPLES AND RESULTS FOUND SATISFACTORY.
- 4) INTERNAL REPORT, MTC AND CALIBRATION CERTIFICATES REVIEWED AND FOUND IN ORDER.
- 5) FOR IDENTIFICATION MATERIAL STAMPED AS "P&d/117".

Enclosure:

1) MATERIAL TEST CERTIFICATE (2) CALIBRATION CERTIFICATE (3) INSPECTION VISIT REPORT

Remarks:

MATERIAL RELEASED FOR DISPATCH AS PER TERMS & CONDITIONS OF PURCHASE ORDER.

Status Code (for details refer remarks): A- Accepted, C- Customer Clearance Required, D- Deviated, P- Partial Accepted, R- Rejected, S- Stage, W- Rework, X- Refer Remarks	
Signature	
Name	SANDEEP SINGH
Company/Organization	PDIL (Inspection & NDI) Noida
Client/Purchaser	
Supplier/Manufacturer	
Sub Supplier	

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