

# 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/ <del>TW/</del> <del>17/05/2022</del> /14/30	Date And Time - 17/05/2022 /14:30
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Description:	Laying of pipe with assembly & filling of pea-gravel.	
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Location:	Block-Belghat, G.P. Brahmacharya	
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Preceding RFI No.	N/A	
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Commencement of work:	18/05/2022	
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Submitted By:	Chandrabas Singh	
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Signature:	<i>Chandrabas Singh</i>	
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Designation:	JE (Mechanical)	
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Concessionaire:	Proceed	Hold
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Name:		
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Designation:		
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Comments:	① Pipe not painted properly for 150 mm dia pipe. ② Pea gravel test report not provided. ③ Safety Bordenading not done.	
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Contractor Representative  
 Signature

Consultant Representative  
 Signature

Client Representative  
 Signature

# NCC SWSM PROJECTS - UP - GORAKHPUR

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 Contractor : NCC Limited

## Request For Inspection

RFI No:	SWSM-UP-GKP/S/Tw/124/R1	Date And Time	1d/05/2022
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Description:	Rectification of Confluence
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Location:	Block - Balghat Crl - Brahmdara
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Preceding RFI No.	SWSM-UP-GKP/S/Tw/124
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Commencement of work:	18/05/2022
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Submitted By:	Chandra Shekhar Singh
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Signature:	
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Designation:	JE (Mechanical)
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Concessionaire:	Proceed	Hold
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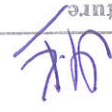
Name:	
Designation:	

Comments:	<p>① Pipe gets painted properly.</p> <p>② Jca covered Test supports is attached.</p> <p>③ Slight boring/casting is done for excavated. Adv.</p>
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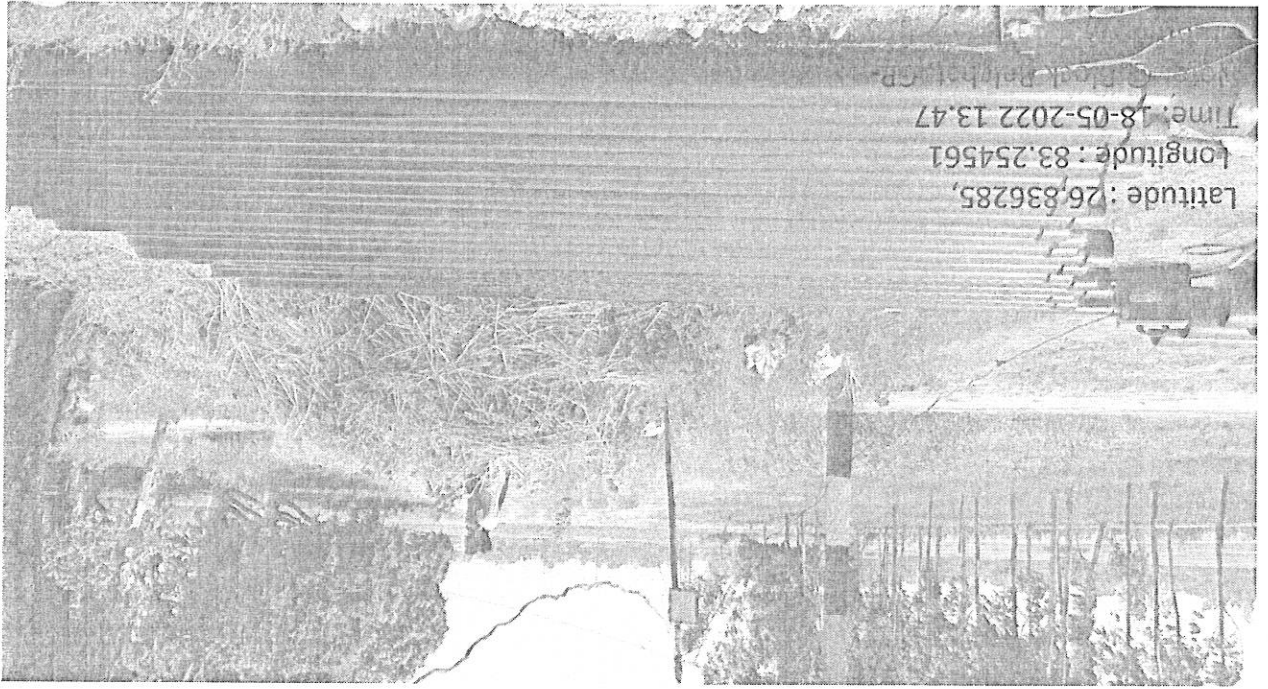
Signature  
Contractor Representative



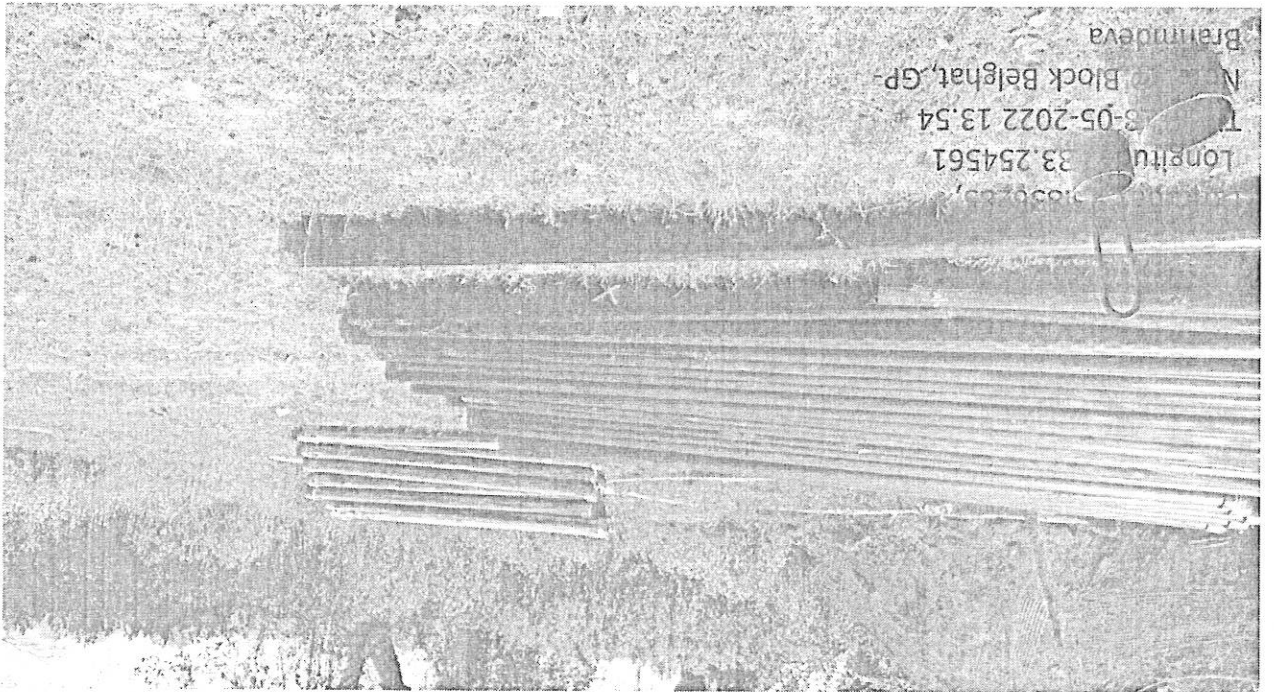
Signature  
Consultant Representative



Signature  
Client Representative



Block Belghat, GP  
Time: 18-05-2022 13:47  
Longitude: 83.254561  
Latitude: 26.836285



Block Belghat, GP  
Time: 18-05-2022 13:54  
Longitude: 83.254561  
Latitude: 26.836285



NCC LTD.  
 STATE WATER AND SANITATION MISSION  
 CLIENT: JIM / SWSM / DWSM

**NCC**  
 NCC Limited

**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: 15/05/2022

Test report no: NCC/WR-5/BC/130

**SL NO. DESCRIPTION OBSERVATIONS**

1 Source of material : Lakshmi, Awarahat, Uttarakhari  
 2 Location : Block Name- BELGAHAT  
 G.P Name- BRAHMDEVA

3 Date of sampling : 14/05/2022

4 Lab. Test no : 130

5 Sample no. : 130

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	08	08	0.8	99.2	OK
4.75 mm	108	116	11.6	88.4	OK
2.36 mm	735	851	85.1	14.9	OK
1.18 mm	142	993	99.3	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.

NCC LTD. *[Signature]*  
 PMC/TPIA *[Signature]*  
 CLIENT *[Signature]*

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


Date of Testing- 15/05/2022  
Test report no : NCC/LP/S/BC/130


SL NO.	DESCRIPTION	OBSERVATIONS
1	Source of material :	Lalkuan, Moriyal, Uttarakhnad
2	Location :	NAME OF THE BLOCK - BELGHAT NAME OF THE GRAM PANCHAYAT - BRAHMPURVA
3	Date of sampling :	14/05/2022
4	Lab. Test no :	130
5	Sample no :	130


**SPECIFIC GRAVITY TEST AT ROOM TEMPERATURE**

6	Weight of the Jar, W1 (gm)=	246 gm
7	Weight of Jar + Gravel, W2 (gm)=	430 gm
8	Weight of Jar + Gravel + Water, W3 (gm)=	861 gm
9	Weight of the Jar + Water, W4 (gm)=	319 gm
10	Specific Gravity =	$\frac{W2 - W1}{W2 - W1 - (W3 - W4)} = \frac{224}{224 - 142} = 2.23$

Note : The Specific Gravity should not be less than 2.5

NCC LTD. 

PMC/TPIA 

CLIENT 





# Aqua Explore

(Groundwater Assessment & Allied Services)

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

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

Ref 515 - B / AX - 2022 Date 15.05.2022

## Geophysical Borehole Logging Report

Name of the site : Brahmadeva, Block- Belghat

District : Gorakhpur

Date : 15.05.2022

Depth logged : 115.0 mbgl

Depth drilled : 140.0 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--40.0 30	14.0 4.0	Good all
2	34.0--48.0	14.0	
3	60.0--64.0	4.0	
4	80.0--102.0	22.0	

Note:

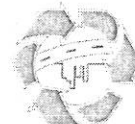
Verified on floor logs provided.  
GSR  
15/5/22

CC:

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

for Aqua Explore

# 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: tepplab@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

Dated: 05-03-2022

## TEST REPORT

Name of Customer	: Jai Nigam, Gorakhpur
Project	: SWSM-JM 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. / Chagne 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  
(Quality Manager)



# TECHPRO ENGINEERS PVT. LTD.



Lab Add: 131, Ram Ganga Housing Society, Naramau, Kanpur-209217,  
 Tel.: 0512-2525759, 09793209918, Web site: www.techproindia.com  
 e-mail: techlab@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

## 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:

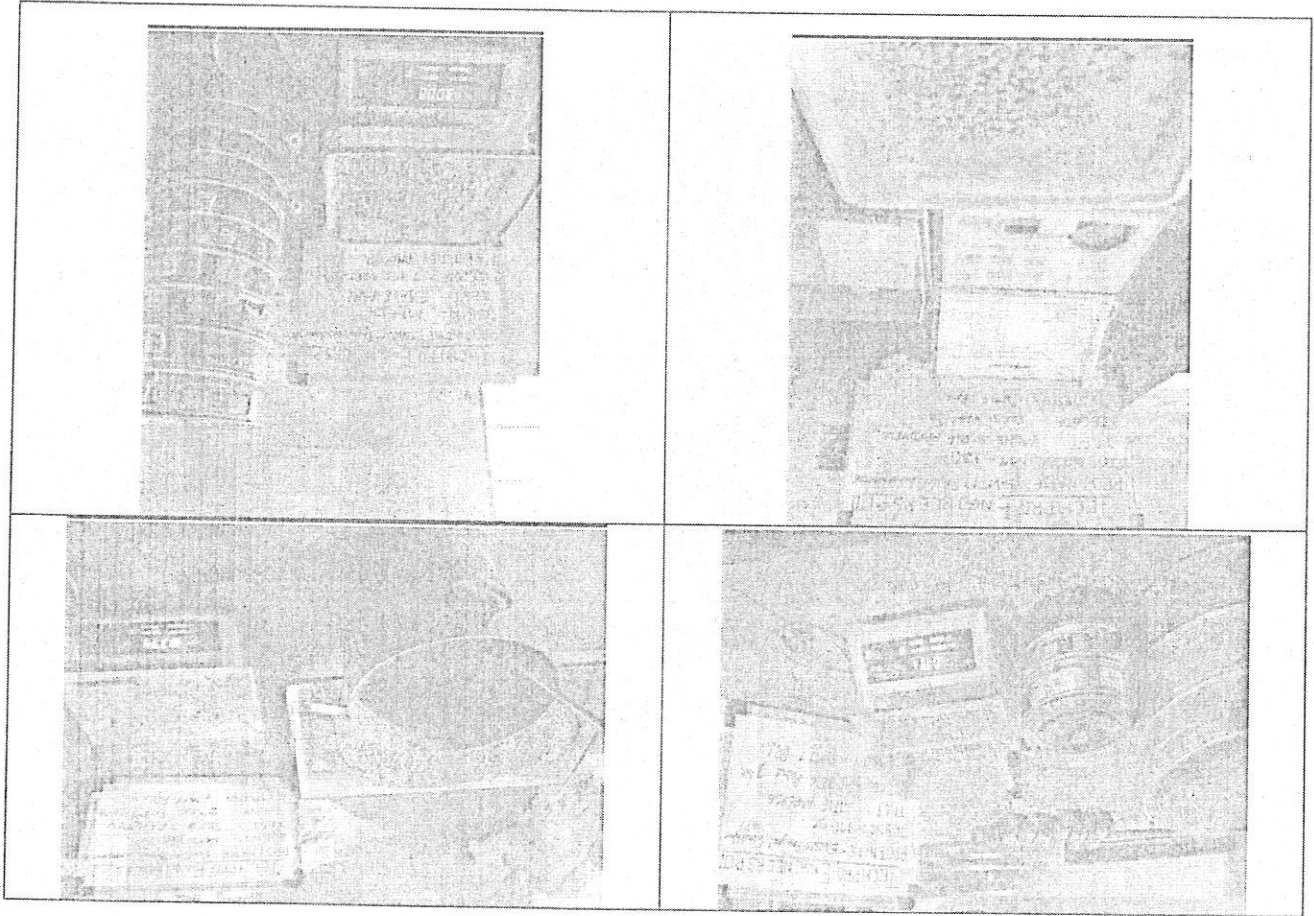
Alok Chauhan  
 (Technical Manager)



Approved By:

Arvind Kumar Garg  
 (Quality Manager)

END OF REPORT

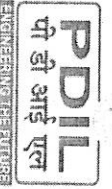


PHOTOGRAPHS

Doc No.: TEQR-36C, Issue No.: 02, Issue Date: 18/08/20, Rev. No.: 01, Rev. Date: 10/12/2020  
 e-mail: [teplab@gmail.com](mailto:teplab@gmail.com), [info@techproindia.com](mailto:info@techproindia.com),  
 Tel.: 0512-2525759, 09793209918, Web site: [www.techproindia.com](http://www.techproindia.com)  
 Lab Add. 131, Ram Ganga Housing Society, Naramau, Kanpur- 209217,  
 (Laboratory Division)

TECHPRO ENGINEERS PVT. LTD.





प्रोजेक्ट्स एण्ड डेवलपमेंट इंडिया लिमिटेड  
PROJECTS & DEVELOPMENT INDIA LIMITED

Inspection Report/Certificate

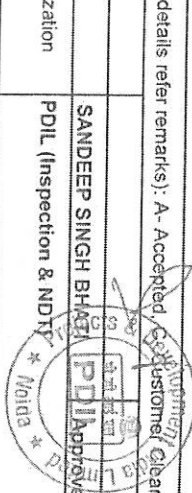
Certificate/Report No. 1500-005000049311-C  
Dated 14.02.2022

Client /Purchaser M/S SWSM UP/ MIS NCC LIMITED  
P.O. No. & Date NCC/SWSM-GORAKHPUR-SOUTH/2157/21-22 03.02.2021  
Supplier /Manufacturer M/S DADU PIPES (P) LTD.  
Sub Supplier NA  
Sub supplier P.O.No & date NA  
Project Name  
Client Reference  
P.O.Status COMPLETE  
IC/IR Status APPROVED  
Inspection office INSP NOIDA  
Start Date of Inspection 12.02.2022  
End Date of Inspection 12.02.2022  
PDIL Job no 4004006945  
PDIL Sales Order No.  
Total P.O. value LS  
Total inspected item value LS  
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, C- Customer Clearance Required, D-Deviated, P- Partial Accepted, R- Rejected, S- Stage, W- Rework, X-Refer Remarks

Signature  
Name SANDEEP SINGH BHARGAVA  
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.



पोजेक्स रोड 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/ MS 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	IC/R Status	APPROVED
		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.
		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/17".

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, G- Customer Clearance Required, D-Devalued, P- Partial Accepted, R- Rejected, S- Stage, W- Rework, X-Refer Remarks

Signature			
Name	SANDEEP SINGH BHATTI		
Company/Organization	PDIL (Inspection & NDT) Noida	Client/Purchaser	Supplier/Manufacturer

\* 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.