



South Asia

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### INSPECTION RELEASE NOTE

IRN No.	IND-014910/KOL/ARCIPL/MB/19/01	Date: 26 <sup>th</sup> July '2019			
<b>1.0. TÜV SÜD CLIENT DATA</b>					
Customer Name	ARC Insulation and Insulators Pvt. Ltd.				
Contract No. (Client to TÜV SÜD)	IND-014910				
Project Name / No.	Capex Project – GRP Pipeline For Under Ground Process Seffluent Line From Plant.				
Contact Person of Customer	Mr. Dipak Pramanik				
TÜV SÜD Coordinator	Mr. Venkalesh Veniseti				
<b>2.0. SUPPLIER/ SUBSUPPLIER DETAIL</b>					
Name	Buyer: Hindalco Industries Limited Supplier/Manufacturer: ARC Insulation and Insulators Pvt. Ltd.				
Location	Ramdevpur, Bawali, Dist: South 24 Pargana				
P.O.No. & Date	BLGP/81574 Date: 27.04.2019				
P.O. Status	<input checked="" type="checkbox"/> Part <input type="checkbox"/> Full				
Date of visits	08.07.2019 & 26.07.2019				
<b>3.0. REFERENCE DOCUMENT (Drawing/ QAP / Specification)</b>					
No.	Description	Doc. No.	Rev.	App. Code	Approved By
1.	PO	BLGP/81574 Date: 27.04.2019	–	–	Hindalco
2.	QAP	ARC/QAP/19020/03 DATE: 12.06.2019	00	–	Hindalco
<b>4.0. ITEMS INSPECTED</b>					
Description		Specification	Order Quantity		
As per Page no. 2					

Page No. 1 of 2



Registered Office:  
TÜV SÜD South Asia Pvt. Ltd.  
TÜV SÜD House,  
Off Saki Vihar Road,  
Saki Naka, Andheri (East),  
Mumbai – 400072, India.

Doc. No: TSSA\_IS\_IN\_FR\_05 Rev 3 Dated. 15/07/2019

Corporate Office:  
TÜV SÜD South Asia Pvt. Ltd.  
Solitaire, 4<sup>th</sup> Floor,  
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South Asia

Continuation sheet of IRN: IND-014910/KOL/ARCIPL/MB/19/01

Dtd: 26.07.2019

**Detail of Inspected items:**

PO sl no.	Item Description	PO Qty	Offered Qty	Inspected Qty	Accepted Qty	Balance Qty.
1	GRP Pipe 200 mm ID X 5 mm Thick X 6 Mtrs. Long.	1620Mtrs.	1080Mtrs.	1080Mtrs.	1080Mtrs.	540Mtrs
2	GRP Pipe 250 mm ID X 5 mm Thick X 6 Mtrs. Long.	1020Mtrs.	1020Mtrs.	1020Mtrs.	1020Mtrs.	00Mtrs.

**(A) Details of Inspection Activities :**

1. Offered pipes (200mm & 250mm ID) visually checked finishing, workmanship and identification marking found satisfactory.
2. Dimension checked on random selected pipes along with thickness and dia results found within limits.
3. Hydrostatic test witnessed on random selected (As per QAP) pipe of 200mm & 250mm ID @ 8kg/cm<sup>2</sup> for 5 minutes, found no leakage and no pressure drop observed.
4. Mechanical test (Tensile, Stiffness & Barcole hardness) witnessed at manufacturer own laboratory, results within acceptable limits.
5. Acetone Smear test witnessed on sample pipes found satisfactory.

**(B) Document Review:**

1. Raw material test certificates – Found to be in order.
2. Internal inspection reports – Found to be in order.
3. Below listed calibration certificates – Found to be in order.

**(C) Calibration certificate reviewed for Equipments/Instruments used during execution of job**

Instrument / Equipment No	Range of instrument/equipment	Calibration due date	Remarks, if any
Vernier caliper	0 – 300MM	01.08.2019	Vernier caliper
Steel Tape	0 – 15Mtrs.	01.08.2019	Steel Tape
Pressure Gauge	0 – 42kg/cm <sup>2</sup>	17.07.2020	Pressure Gauge
Hardness tester	0 - 100	01.08.2019	Hardness tester
UTM Machine	0 – 600 KN	05.03.2020	UTM Machine

**(D) Enclosure:**

1. Raw Material test certificates.
2. Internal inspection reports.
3. Witness reports.
4. Calibration Certificates of measuring instruments.

**Detail of Identification:** TUV SUD Hard punched on sample inspected items for identification as



Rubber Stamp :-

Die Stamp :-

**Inspection Status :-**  Accept

Dispatch

**Recommended Action :-** (1) Vendor shall take utmost care while handling the product after completion of inspection.

**Distribution :**  Client

Supplier/Sub supplier

Contracting office


Performing office



**Inspection Engineer Name Sign & Stamp :-** MUKUL BAIN

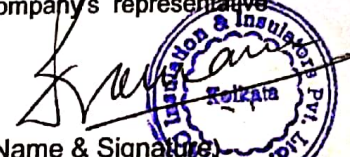
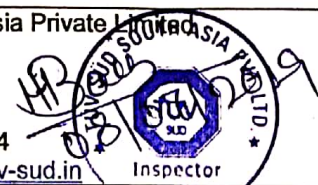
**Date:** 26.07.2019





<b>TÜV-SÜD South Asia Pvt. Ltd., INDIA</b> Office Space No-207 2nd Floor, PS-IXL Block-A, Athgora, New Town , Rajarhat, Kolkata-700136	<b>INSPECTION VISIT REPORT</b>  <b>No.: MB/2019/052</b> <b>Date- 08.07.2019</b>	 Choose certainty. Add value.
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1.	TÜV-SÜD Ref. No.	:	IND-014910												
2.	TÜV-SÜD customer Name	:	ARC Insulation and Insulators Pvt. Ltd.												
3.	End User Name	:	Hindalco Industries Limited												
4.	Project	:	Capex Project – GRP Pipeline For Under Ground Process Seffluent Line From Plant.												
5.	Supplier/Manufacturer	:	Supplier / Manufacturer: ARC Insulation and Insulators Pvt. Ltd.												
6.	Purchase order No	:	PO: BLGP/81574 Date: 27.04.2019												
7.	Scope of Inspection	:	As per approved QAP (NO: ARC/QAP/19020/03 REV: 00 DATE: 12.06.2019)												
8.	Material offered	:	GRP Pipe 200 mm ID X 5 mm Thick X 6 Mtrs. Long – 1620Mtrs. GRP Pipe 250 mm ID X 5 mm Thick X 6 Mtrs. Long – 1020Mtrs. GRP Pipe 300 mm ID X 5 mm Thick X 6 Mtrs. Long – 420Mtrs.												
9.	Contacted person	:	Mr. Dipak Pramanik (+91 96247886666)												
10.	Place & Date of Inspection	:	Ramdevpur, Bawali, Dist: South 24 Pargana. Date: 08.07.2019.												
11.	Calibration Status: - All Equipment's/instruments used by customer/vendor during inspection are verified for suitability by having accreditation to ISO/IEC 17025 for the relevant tests, range accuracy and calibration validity. <b>YES <input checked="" type="checkbox"/> NO <input type="checkbox"/></b> <b>OR</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Equipment is suitable in terms of range, least count, accuracy.</td> <td style="width: 10%;">Yes/ No</td> <td style="width: 25%;">Equipment calibrated traceably to national or international standards.</td> <td style="width: 10%;">Yes/No</td> <td style="width: 20%;">Facilities &amp; Environmental conditions for measurement are maintained.</td> <td style="width: 15%;">Yes/ No</td> </tr> <tr> <td>Unique identification of equipment.</td> <td>Yes/ No</td> <td>Use of equipment by competent person.</td> <td>Yes/No</td> <td>Validity of Calibration.</td> <td>Yes/ No</td> </tr> </table> <p><small>* If measuring instrument used during inspection at vendor's premises comply to requirement of calibration through ISO 17025 accredited laboratory, this inspection report shall be deemed as accredited.</small></p>			Equipment is suitable in terms of range, least count, accuracy.	Yes/ No	Equipment calibrated traceably to national or international standards.	Yes/No	Facilities & Environmental conditions for measurement are maintained.	Yes/ No	Unique identification of equipment.	Yes/ No	Use of equipment by competent person.	Yes/No	Validity of Calibration.	Yes/ No
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Unique identification of equipment.	Yes/ No	Use of equipment by competent person.	Yes/No	Validity of Calibration.	Yes/ No										
12.	Stamped /Punched / Stenciled /✓ Stickered (for identification only): tuv sud stickered on inspected items   as  for identification only.														
13.	<b>Result of Inspection: -</b>		Put "✓" if YES, put "X" if NO												
	Satisfactory		✓												
	Not Conform		X												
	Accepted under Deviation (with written document from Purchaser mandatory)		X												
	Pending for Further Work - ✓ Testing/Painting / ✓ Finishing / Packing / ✓ Marking		✓												

Company's representative  (Name & Signature)	For TÜV-SÜD South Asia Private Limited Name: MUKUL BAIN Mobile: +91 9831953344 E- mail: Mukul.Bain@tuv-sud.in  Inspector 1189
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Doc. No. TSSA\_IS\_IN\_FR\_04 Rev.3 Dt. 01-08-18  
For any suggestions/complaint please write to "Quality.Industrieservices@tuv-sud.in"

TÜV-SÜD South Asia Pvt. Ltd., INDIA  
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New Town , Rajarhat,  
Kolkata-700136

## INSPECTION VISIT REPORT

No.: MB/2019/052  
Date- 08.07.2019



Choose certainty.  
Add value.

**(A) Reference Document :-**

1. PO No: BLGP/81574 Date: 27.04.2019
2. Approved QAP: ARC/QAP/19020/03 REV: 00 DATE: 12.06.2019

**(B) Detail of Inspection Activity :-**

1. Offered pipes (200mm, 250mm & 300mm ID) visually checked finishing, workmanship found satisfactory. Identification marking to be done as per IS 14402 along with batch no.
2. Dimension checked on random selected pipes along with thickness and dia results found within limits.
3. Hydrostatic test witnessed on random selected (As per QAP) pipe of 300mm ID @ 8kg/cm<sup>2</sup> for 5minutes, found no leakage and no pressure drop observed. Pending 2 nos pipe to be witnessed during final inspection.

**(C) Document Reviewed: -**

1. Raw material test certificates – To be submitted.
2. Internal Inspection report – To be submitted.
3. Below Listed Calibration Certificates – to be submitted for review.

**(D) List of Calibration instruments: -**

INSTRUMENTS	IDENTIFICATION / RANGE	CALIBRATION DUE DATE
Vernier caliper	0 – 300MM	01.08.2019
Steel Tape	0 – 15Mtrs.	01.08.2019
Pressure Gauge	0 – 40kg/cm <sup>2</sup>	31.07.2019

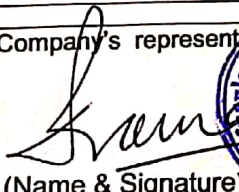
**(E) Conclusion: -**

1. Pending activities as per approved QAP to be done during final inspection.

**(F) Enclosure: -**

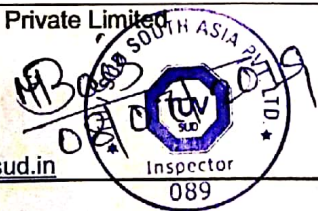
1. Inspection Offer letter.
2. PO.
3. QAP.
4. Witness report.

Company's representative

  
(Name & Signature)

For TÜV-SÜD South Asia Private Limited

Name: MUKUL BAIN  
Mobile: +91 9831953344  
E- mail: Mukul.Bain@tuv-sud.in



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**INSPECTION VISIT REPORT**

No.: MB/2019/052  
Date- 08.07.2019



Choose certainty.  
Add value.

**Photographs:**



Company's representative

*(Signature)*  
(Name & Signature)

For TÜV-SÜD South Asia Private Limited

Name: MUKUL BAIN  
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**ARC INSULATIONS AND INSULATORS PVT. LTD.**

**Witness of Hydrostatic Testing Report**

**Customer Rating** HINDALCO INDUSTRIES LIMITED DN-300,PN-04, SN- 5000  
**P.O.No. Date** BLGP/81574 08.07.2019

Description	Observation	Unit
Diameter	300	mm
Pipe No	1	-
Test Pressure	8	Bar
Hold time	5	min.

Observation	No leakage Found
Result	Passed

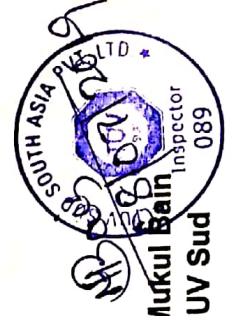
**Used Pressure Gauge Details**

Make: GURU , Range: 0 to 40 Kg/cm<sup>2</sup> · Calibration Certificate No.: 1808302/A392/07-np,  
Calibration Due Date: 01.08.2019



**Mr. Abhishek Kr. Gond**  
**(Sr. Engineer, QA/QC)**

ARC Insulation & Insulators Pvt. Ltd.



**Mr. Mukul Bain**  
**Inspector**  
**TUV Sud**  
**089**