







SUMIP COMPOSTIES PVT LTD 1 to 5, Panchratna Industrial Estate, Sarkhej-Bavla Highway, Changodar, Sanand, Ahmedabad – 382213			<b>MANUFACTURING QUALITY PLAN</b>						QP. NO.:013534/18-19				
			CUSTOMER: BHEL, HYDERABAD – 32. BHEL, MOU.NO. : PRODUCT: FRP CABLE TRAY / <i>FRP CABLE DUCT</i>			BHEL REF. NO. : 718A00579 BHEL SPEC: REV: VALID UP TO			REV NO: 1	DATE: 31/01/2019			
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SL NO	COMPONENTS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	* D	AGENCY			REMARKS
1.0 RAW MATERIALS & BOUGHT OUT ITEMS													
	Raw Material FRP Section	a.Dimension b. Quality. c. Finishing	MAJOR	Visual & Measurement	100%	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Report	✓	2	-	1	
		a.Glass Content b. Flammability Test c. Tensile Strength d. Flexural strength e.Compressive Strength f. Izod Impact Strength g. Barcol Hardness h.Arc Resistance i. Water Absorption j.Oxygen Index Test k. Dielectric Strength Test	MAJOR	Mechanical & chemical	ONE PER LOT	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	-do-	✓	2	-	1	
2.0 INPROCESS INSPECTION													
	Machining	a.Dimension b. Quality, Visual	MAJOR	VISUAL	100%	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Log Book	✓	2	-	1	
	Assembly	Dimension	MAJOR	VISUAL	100%	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Log Book	✓	2	-	1	
3.0 FINAL INSPECTION & TESTING													
LEGEND: P: PERFORM, W: WITNESS, V: TEST CERTIFICATE REVIEW. INDICATE 1 FOR BHEL CQS /BHEL NOMINATED INSPECTION AGENCY/END USER/END USER'S REPRESENTATIVE & 2 FOR VENDOR/SUB VENDOR AS APPROPRIATE AGAINST EACH COMPONENT /CHARACTERISTIC UNDER P, W & V COLUMNS. * FOR ITEMS MARKED ✓ (TICK) IN COLUMN 'D', TEST CERTIFICATES SHALL BE SUBMITTED TO BHEL FOR RECORDS.					PREPARED BY: Rima Shah  <i>For, Sumip Composites Pvt. Ltd.</i> <i>Rima</i> Authorised Signatory			APPROVED BY   BHEL INSPECTURE & STAMP			APPROVED BY <i>Approved</i>  CUSTOMER'S SIGNATURE & STAMP		

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										P	W	V	
		VISUAL CHECK	CRITICAL	VISUAL	AS PER IS-2500	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Report	✓	2	1	1	Note: Test for mechanical, electrical and fire retardant property as per relevant ASTM standard to be witnessed.
		LOAD & DEFLECTION TEST	CRITICAL	MECHANICAL	AS PER IS-2500	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	TC	✓	2		1	
		DIMENSIONAL CHECK	CRITICAL	MECHANICAL	AS PER IS-2500	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Report	✓	2		1	
		FLAMMABILITY TEST	CRITICAL	VISUAL	AS PER IS-2500	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Report	✓	2		1	
		Type test certificate to be furnished as per specification											
4.0	<b>PRESERVATION &amp; PACKING</b>												
	Packing should be according to BHEL Spec, including of all accessories and spares												
<div style="border: 1px solid red; padding: 5px;"> <b>Note-ASSEMBLY CHECK WITH COUPLER PLATE, NUT BOLT etc ON ONE SAMPLE TO BE WITNESSED</b> </div>													

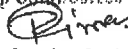


**NOTE:-**

- 1) This MQP should be read along with specification, approved drawings & approved data sheet.
- 2) Latest revisions of specifications/drawings as per P.O., approved drawings & bill of materials are applicable.
- 3) All test certificates/reports reviewed and certified by TPI/BHEL shall be submitted to BHEL as documentation package.
- 4) Drawing/data sheet shall prevail over quality plan for contradiction if any between quality plan and drawing/specification.

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	VENDOR'S SIGNATURE & STAMP		

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5) Any project/customer specific requirement which shall be notified have to be fulfilled by the vendor at the time of execution of order.

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	VENDOR'S SIGNATURE & STAMP		

**PROJECT ENGINEERING & SYSTEMS DIVISION****RC PURAM, HYDERABAD.****QUALITY & BUSINESS EXCELLENCE****INSPECTION / TC REVIEW FORMAT**

1	Vendor's Name:		5	Applicable BHEL Spec No:	
2	Project:		6	Approved Drawing No:	
3	PO No:		7	Approved Data Sheet No:	
4	Item Description:		8	Approved QAP No:	

**OFFER LIST**

S.No	BBU/ PO Sr. No.	Item Description	Total Qty as per PO/BBU	Qty. already accepted	Qty offered for TC review	Cumulative Qty	Balance Qty
A							
B							
C							
D							

**TC REVIEW REQUISITION**

BBU / PO Sr. No.	QAP Clause No.	Format of Record	Certificate No. & Date	Page No.	REMARKS
<b>A. Item Description:</b>					
<b>B. Item Description:</b>					
<b>C. Item Description:</b>					
<b>D. Item Description:</b>					
<b>E. Item Description:</b>					

**SUPPLIER / VENDOR SIGNATURE WITH SEAL****BHEL/ BHEL's TPIA SIGNATURE WITH SEAL****Dt:****Dt:**