

SUMIP COMPOSTIES PVT LTD
 1 to 5, Panchratna Industrial Estate,
 Sarkhej-Bavia Highway,
 Changodar,
 Sanand, Ahmedabad - 382213

MANUFACTURING QUALITY PLAN
 CUSTOMER: BHEL, HYDERABAD - 32.
 BHEL, MOU. NO. :
 PRODUCT: FRP CABLE TRAY / FRP CABLE DUCT


BHEL REF. NO. : 718A00579
 BHEL SPEC. REV:
 VALID UP TO

QP. NO.: 013534/18-19
 REV NO: 1 DATE: 31/01/2019
 PAGE 1 OF 3

SL NO	COMPONENTS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	* D	AGENCY P	W	V	REMARKS											
1.0	RAW MATERIALS & BOUGHT OUT ITEMS	a. Dimension b. Quality. c. Finishing 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	MAJO R	Visual & Measurement	100%	As per BHEL App drg/data sheet/spec As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Report	✓	2	-	1												
														Raw Material FRP Section	MAJO R	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	a. Dimension b. Quality, Visual	MAJO R	VISUAL	100%	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Log Book	✓	2	-	1												
														Mechining	MAJO R	100%	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Log Book	✓	2	-	1	
														Assembly	MAJO R	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 QCS /BHEL NOMINATED INSPECTION AGENCY/END USER/END USERS 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
 For, Sumip Composites Pvt. Ltd.
 Authorised Signatory

APPROVED BY

 BHEL SIGNATURE & STAMP

APPROVED BY
 Approved
 CUSTOMER'S SIGNATURE & STAMP



SUMIP COMPOSTIES PVT LTD
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 Sarkhej-Bavla Highway,
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 BHEL, MOUNO.:
 PRODUCT:FRP CABLE TRAY /FRP CABLE
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									D	P	W		V
	VISUAL CHECK		CRITIC AL	VISUAL	AS PER IS-2500	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Report	✓	2	1		Note: Test for mechanical, electrical and fire retardant property as per relevant ASTM standard to be witnessed.
	LOAD & DEFLECTION TEST		CRITIC AL	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		CRITIC AL	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		CRITIC AL	VISUAL	AS PER IS-2500	As per BHEL App drg/data sheet/spec	As per BHEL App drg/data sheet/spec	Report	✓	2	1		
4.0	PRESERVATION & PACKING												
	Type test certificate to be furnished as per specification												
	Packing should be according to BHEL Spec, including of all accessories and spares												

Note-ASSEMBLY CHECK WITH COUPLER PLATE, NUT BOLT etc ON ONE SAMPLE TO BE WITNESSED

- 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.

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
 For, Sumip Composites Pvt. Ltd.
 Authorised Signatory

VENDOR'S SIGNATURE & STAMP




APPROVED BY
 BHEL (QA) (RE & STAMP)

APPROVED BY
 Approved
 CUSTOMER'S SIGNATURE & STAMP

Inspector 022

SUMP COMPOSTIES PVT LTD 1 to 5, Panchratna Industrial Estate, Sarkhej-Bavla Highway, Changodar, Sanand, Ahmedabad - 382213		MANUFACTURING QUALITY PLAN				QP. NO.:013534/18-19	REV NO: 1	DATE: 31/01/2019		
CUSTOMER: BHEL, HYDERABAD -- 32. BHEL, MOU. NO. : PRODUCT:FRP CABLE TRAY		BHEL REF. NO. : 718A00579 BHEL SPEC. REV: VALID UP TO		PAGE 3 OF 3						
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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		CUSTOMER'S SIGNATURE & STAMP

APPROVED BY
