

	TECHNICAL DELIVERY CONDITION	Project: Train B28
Aggregate	Sponge Rubber	DOC No.: FPIIC/TD/075
BEML Enquiry/ RFQ Reference:		

Sl. No.	Technical Delivery Conditions	COMPLIED	NOT COMPLIED
1	Each of the Rubber shall confirm to the tender drawing requirements.	<input type="checkbox"/>	<input type="checkbox"/>
2	Technical data sheet of Sponge rubber shall be submitted, along with offer	<input type="checkbox"/>	<input type="checkbox"/>
3	EPDM Sponge Rubber shall comply to Annexure-1 , mechanical properties.	<input type="checkbox"/>	<input type="checkbox"/>
4	Sample approval shall be obtained before mass production.	<input type="checkbox"/>	<input type="checkbox"/>
5	Copy of fire and mechanical type test reports of earlier similar supplies shall be submitted	<input type="checkbox"/>	<input type="checkbox"/>
6	100% quantity of the Rubber shall be subjected to visual, dimensional inspection. Inspection reports shall be submitted along with supplies.	<input type="checkbox"/>	<input type="checkbox"/>
7	The Rubber shall be packed to ensure that no damage will occur during transit & storing at BEML.	<input type="checkbox"/>	<input type="checkbox"/>

Signature of the Bidder with Seal
(Name, Designation & Address)

Annexure-1
Properties of Sponge Rubber

Sl. No.	Test Description	Test Method	Requirements
1.	Polymer	-	EPDM Sponge Rubber (Closed cell)/ Neoprene (close cell)
2.	Colour	-	Black
3.	Density	ISO 845-88	130 ±20 kg/m ³
4.	Hardness	KSM 6660:2006	45° ± 5° Shore 00
5.	Tensile Strength	ISO 1798-97	≥ 350 kPa
6.	Tear strength	ASTM D 624	2.9 kN/m
7.	Elongation	ISO 1798-97	≥ 150 %
8.	Temperature Range	-	- 30 / +100 °C
9.	Compression Set 50 % / 24 h	ASTM D 1056-07	≤ 25 % @ 25° C ≤ 50 % @ 40° C
10.	Compression Deflection	ASTM D 1056-07	20 – 50 kPa @ 25% 80 – 160 kPa @ 50%
11.	Fire Safety	EN 45545-2	HL2, R1
12.	Rebound resilience	ISO 4662	45 % – 55 %
13.	Water absorption	ASTM D 1056-07	≤ 5 %