VQC FOR RUBBER ITEMS (Rumon Equivalent smallt for Indigentation).

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						RUBBER ITEMS	MANUFACTURING OF VARIOUS	12		A S		2	Nomenclature & Drawing No.
	Post curing	Moulding	Slug preforming/ Cutting	Mixing of compound	Compounding	Rheology Analysis	Die	Raw material Storage		Raw material Testing	*	Raw material	Manufacturing Technology & Testing / Inspection Facilities required to produce the item
parameters as per given technical specification.	Post curing oven with efficient temperature control from room temp to 250 deg C. with alarm system/equivalent for monitoring the controlled	Suitable Compression, transfer and injection Moulding presses from mini 350 T or above presses with temperature, time and pressure control through PLC.	Suitable preformers to cut/size the compound with weight control system/equivalent technology.	Automated Mixing system in Kneader of capacity min 50kg.as per technical sequence displayed in screen without manual intervention.	Automated Raw Material Weighment, computerized sequence technology for raw material addition.	Test facilities for batch wise rheological analysis before finalizing the compounding process.	Appropriate CAD/CAM Software for designing of dies and CNC Machining Centre, VTL/lathe, Welding Technology.	Suitable Controlled environment with Temperature and humidity monitoring for storage of Raw materials and Master Compound Batches.				To purchase polymers, additives, fillers etc., to meet Specific composition as given in respective drawing.	Must be possessed by the vendor in his own premises (List of Plant & Machinery and Testing / Inspection Facilities to be submitted)
			3				- T		Certification of Raw Rubber issued by Rubber Board in case of Natural rubber.	testing agencies prior to use in production.	Inspection of Raw materials		Must be possessed by the vendor in his own premises or may outsource (Name and address of sub-contractor, list of Plant & Machinery and Testing / Inspection Facilities to be submitted)

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Life Testing			*:	Inspection
	Firm should have in-house lab facility with NABL accreditation to check the physical properties of Rubber and to issue reports.	Should have quality accreditation like ISO 9000, ISO 14001 and ISO 45001.	Analytical facility like FTIR, TGA and DSC tests.	Test Lab with approval of Dept of Scientific and Industrial Research (DSIR), Govt of India, New Delhi or other Government approvals.
Should be done through IRMRA Mumbai.				

WM/QA

AGM/MM

JWM/DDO

AGM/QA

MW/MIL

AGM/P

JWM/TRG