

Effective from: 30/05/2012	STR for Telecom Cable Termination Box (Non metallic) for Indoor use.	RDSO/SPN/TC/97-2012 आरडीएसओ /SPN/ टीसी /97/2012	Revision : 0 संशोधन-0
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भारत सरकार
रेल मंत्रालय

GOVERNMENT OF INDIA
Ministry of Railways

इनडोर उपयोग के लिए दूरसंचार केबल टर्मिनेशन बॉक्स (अधात्विक)
के लिए
तकनीकी आवश्यकताओं की अनुसूची

Schedule of Technical Requirement (STR)

For

Telecom Cable Termination Box(Non metallic) for Indoor use

Research Designs & Standards Organisation

Manak Nagar Lucknow-226011

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DOCUMENT CONTROL SHEET

NAME	ORGANISATION	FUNCTION	LEVEL
Yashpal Singh Tomar	RDSO	Member	Prepare
S.K. Vyas	RDSO	-	Approve

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I. ESSENTIAL PLANT AND MACHINERY REQUIRED FOR PRODUCTION

1. MICROPROCESSOR CONTROLLED THERMOPLASTIC INJECTION MOULDING MACHINE.
 - a) Capacity -- Minimum 250 MT of clamping pressure.
 - b) Operation -- Horizontal, Automatic
 - c) Mode -- Fully automatic with Programmed Logic Controlled Temperature controller and Hooper Dryer.
2. One set of Mould of each item related to the CT box.
3. Dehumidifier for preheating of raw materials.

Note:

1. Any activity/process which is outsourced, shall be from ISO certified firms only.
2. Any activity /process may be outsourced to an RDSO approved firm for similar item, preferably.
3. Quality control shall be the responsibility of manufacturer of final product.

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II. Essential Testing Equipment Required for Type Testing

Sr. No.	Requirement of Essential Testing Equipments	Qty. Required	Qty. Available	Model	Machine No.	Make	Year of Built	Date of Calibration	Due Date of Calibration
i.	Universal Testing machine	01							
ii	Testing facilities for temperature (short & continuous)	-							
iii.	Melt flow Index tester	01							
iv.	Test facilities for IP class	01							
v.	IZOD impact tester	01							
vi.	Flammability testing instrument	01							
vii.	Melting point instrument having digital display of temperature	01							
viii.	Compression set apparatus	01							
ix.	A & D shore Hardness tester	01							
x.	Rockwell Hardness tester	01							
xi.	Electronic balance with accuracy of ± 0.1 mg	01							

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xii.	Muffle Furness	01							
xiii.	Impact testing arrangement	01							
xiv.	Misc lab apparatus for water absorption test	01							
xv.	Mega ohm meter	01							
xvi.	Screw gauges	01							
xvii.	Hot & cold water bath	01							
xviii	Crucible	01							
xix.	Multimeter	01							
xx.	Celsius Thermometer	01							
xxi.	Magnifying glass	01							
xxii.	Electric immersion heater	01							

Note: i) If some of the testing facilities are not available at the firm lab, the same can be done through third party i.e. Govt. of India certified Lab.

ii) This STR shall be applicable to all new vendors applying for registration for CT Box.

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III. Essential Testing Equipment Required for Acceptance Test

Sr. No.	Requirement of Essential Testing Equipments	Qty. Required	Qty. Available	Model	Machine No.	Make	Year of Built	Date of Calibration	Due Date of Calibration
i.	Thickness testing Gauge	01							
ii.	Mega ohm meter	01							
iii.	Multimeter	01							
iv.	Screw gauge	01							
v.	Hanging arrangement through dummy	01							
vi.	Testing arrangement for drop test having hard concrete floor & meter scale	01							
vii.	Universal testing machine	01							
viii.	Magnifying glass.	01							

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UNDERTAKING OF THE FIRM

“I hereby give an undertaking that at any time after approval is accorded, some machinery is found deficient without intimation to RDSO, and then it will be presumed that machinery was not there since beginning and firm will be withdrawn immediately.”

Date:

Signature

Name in capitals & Designation

Place:

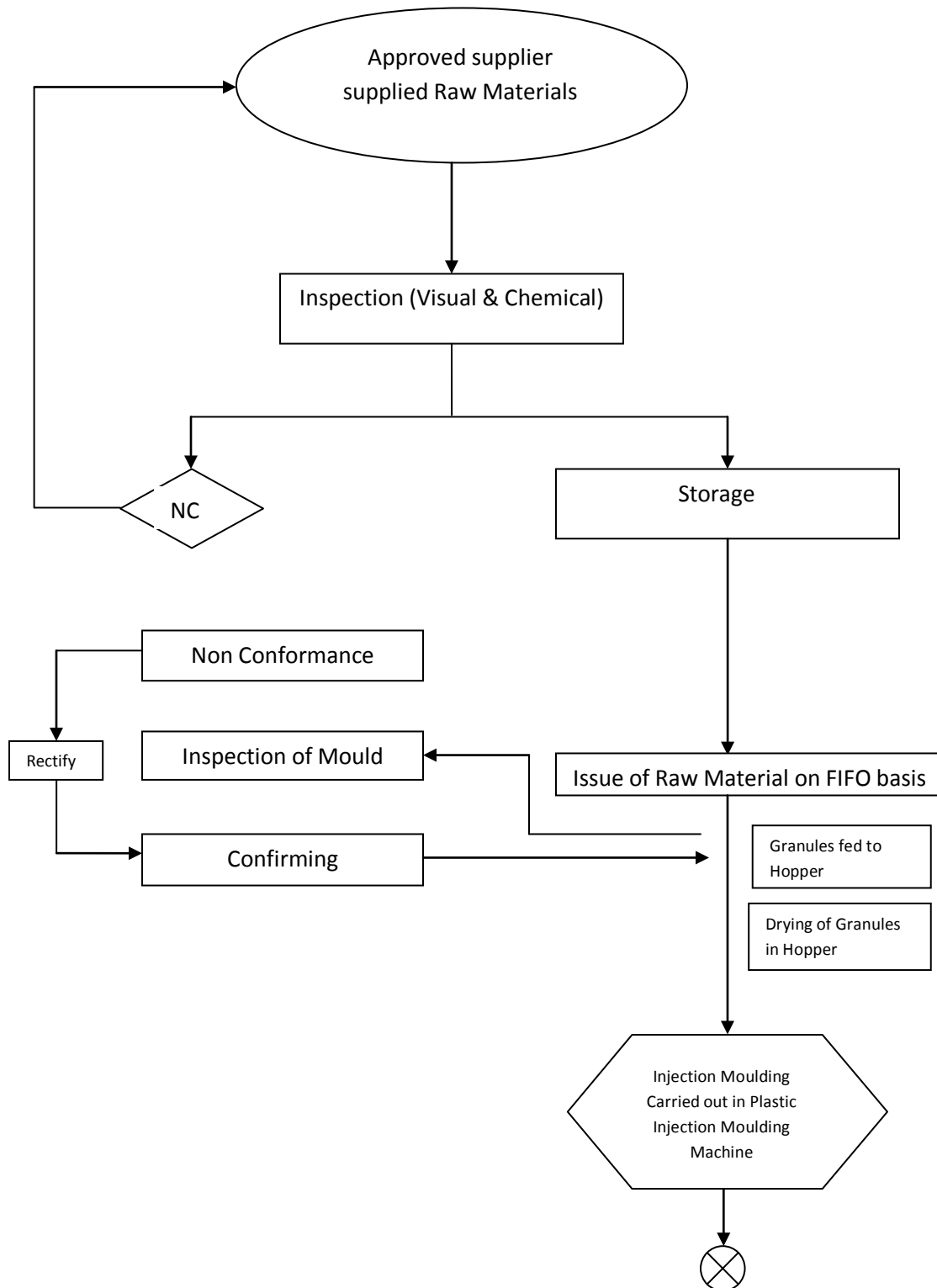
Stamp of the firm

Note:

1. Details of Machinery & Plants and Testing Equipments should be furnished by the vendor in complete as per format of STR. Vendor should also furnish the details of the ownership.
2. It should be mandatory to inform the RDSO through Fax (followed by confirmation copy through courier /speed post) as soon as any machinery is removed from the firm's premises (even for repair etc.) RDSO should be informed again, when is brought back and made operational.

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PROCESS FLOW CHART



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