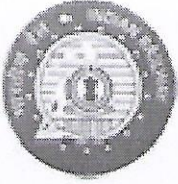


N. E. RAILWAY



Office of the
General Manager(S&T)
Gorakhpur

No. N / 539 / 2 (W) Part-43 (2020-21)

Dated : 08.01.2021

CSTE/Con
N E Railway, Gorakhpur

CSTE/Project & Planning
N E Railway, Gorakhpur

Sr DSTE
N E Railway
IZN, LJN & BSB

DSTE/Tele.
NE Railway

Sub:- System Improvement regarding consignee inspection of materials / equipments .

Ref:- GM (Vigilance) letter No. V6/2020/12/00726/PC Dated 18.12.2020.

In view of above, PCSTE has advised to ensure compliance of system improvement as mentioned in referred letter in all ongoing & new works. Accordingly, action taken may be apprised to this office.

Enclosure: (Referred letter - 04 Pages)


8/1/2021
(D.N. Tiwari)
Dy. CSTE/P&D
For GM/S&T

पूर्वोत्तर रेलवे
NORTH EASTERN RAILWAY



कार्यालय
महाप्रबंधक/सतर्कता
गोरखपुर-273012

Office of
General Manager/Vigilance
Gorakhpur- 273012

No.- V6 2020/12/00726/PC /122

Dated : 18.12.2020

PCSTE
North Eastern Railway
Gorakhpur

Sub-System Improvement regarding consignee inspection of materials / equipments.

Vigilance check of consignee inspected material in one of the construction unit of this railway revealed the following anomalies --

1. Materials / equipment which are being received for consignee inspection are not being checked properly and in several cases, proper testing and recording of parameters is not being done to ensure quality.
2. Inspection Agency was not unambiguously indicated in Technical Specification of contract. Many times Inspection Agency was stated as "RITES/CONSIGNEE" which creates confusion for the field officials.
3. NER Specific Drawings referred to in the tender document are neither included in tender documents nor in Contract agreement.
4. Some materials like ground connection of EPM for which chemical, Metallurgical & ultrasonic testing are mandatory to detect flaws of Material/ forged welding are accepted without any manufacturer test certificate.
5. Some technical items like surge arrester, Maintenance free Earth which can be tested only in lab/factory premises are accepted without any manufacturer test certificate.

Pl advise ESTE/c, & ESTEs of Project Unit & S&D ESTEs to ensure compliance of above system improvement in all ongoing & new works.

Dr. CSJ/PER
CSIR

21/12/21

ESTE/PER

27.12.21

20/01/2022
PCSTE

5. Inspection clause was changed after award of contract due to change in financial limit of "RDSO/RITES" inspection. But no technical guidelines were issued for ensuring the quality of material to be supplied without "RDSO/RITES" Inspection..

In order to overcome the aforesaid irregularities the following system improvement/measures are being suggested -

1. Inspection Agency should be unambiguously stated in the contract. Many times Inspection Agency was shown as "RITES/CONSIGNEE" which creates confusion for the field officials. Only one Inspection Agency should be shown against each Item in Technical specification to avoid confusion among field officials.
2. It is hereby reiterated that the consignee inspection shall be resorted to only for low value items where it is not possible to get the inspection done by "RDSO/RITES" or any other reputed third party inspecting agency.
3. The NER specific drawings referred to in the tender document must be attached with the Tender Document as well as the Contract Agreement which will help in better assessment of rate by tenderer as well as in Technical/dimensional check of material by consignee to ensure quality.
4. Items being procured through consignee inspection must have proper specification covering the performance parameters as well as acceptance tests.
5. High value materials of a technical nature for which the consignee is not equipped to test the material may be tested in laboratory/ factory premises to confirm whether they meet the specification or not. In case it is not possible to test the material at the Laboratory / factory premises by the Consignee then a suitable clause may be added in tender document regarding submission of relevant documents such as OEM Invoice, Test certificate, Delivery Challan, Warranty certificate etc in the absence of which required test will be got done from authorized/recommended/reputed laboratories.
6. Wherever items such as RCC Cable route marker, concrete or metallic or reinforced plastic or composite materials, etc., in which there are such hidden parts which are vital/ essential to ensure good quality or strength of materials, are to be supplied in bulk quantity, and acceptance of such items shall be subject to consignee inspection, same shall be inspected by the nominated consignee/ railway supervisor/ railway engineer through destructive test or any other appropriate method or as advised by the original manufacturer or competent agency or authority, and the findings of the destructive test shall be recorded in

the Consignee Inspection Certificate. Selection of the sample shall be random from the lot supplied by the contractor.

If inspection Agency is changed from "RDSO/RITES" to "Consignee" after award of contract then suitable technical guidelines must be issued for inspection of material by consignee.

- 8 Bill signing officials must ensure that the consignee inspection certificate is submitted with all relevant details as per prescribed proforma and bills are passed only when consignee inspection certificate is submitted in the same manner as in case of "RDSO/RITES" Inspection certificate..

It is advised that a proper inspection certificate as containing the following details shall be issued for each material which is procured with consignee inspection.

Consignee inspection certificate Proforma

1. Material Supply Details

Name/ Description	Standard Specification /Drawing No.	PO/LOA/ Agreement No.	Total quantity supplied on order	Any other Such details if required

2. Visual Inspection Report

Name of Manufacturer/ OEM	Trademarks such as ISI/BIS etc.	Lot/Batch No.	Serial No.	Manufacturing Date

3. Electrical/electronic/mechanical Parameters as per Drawing/Specification

(i)	Electrical/ electronic parameters vis-a-vis permissible limit	Actual Test Results

Table of Electrical/electronic parameters to be inspected by inspecting official eg. Resistance, continuity, conductivity, frequency, pick up time, drop away time, contact resistance, breakdown voltage, meggering voltage, input/output voltage and currents etc.

(ii)	Mechanical parameters vis-a-vis permissible limit	Actual Test Results

Table of Mechanical parameters to be inspected by inspecting official eg. Insulation thickness, conductor thickness, length, width, diameter etc. Thickness may be measured using screw gauge/vernier caliper etc. to ensure as much accuracy as possible

(iii) Test Result as well as Guarantee /Warranty Certificate of OEM/Authorized Dealer in case of complex technology items.

(iv) Chemical, Metallurgical and Ultrasonic Test Result of Recommended /Reputed/Authorised Lab for Metallic Material such as Ground connection of EPM, Signal Base/Unit/Post, Route Indicator & workshop material.

(v) Destructive test or any other appropriate method or as advised by the original manufacturer or competent agency or authority for Items RCC Cable route marker in which there are such Hidden Parts which are Vital/ Essential to ensure good quality and strength of material.

4. Deviation/Deficiency noticed

(i)

(ii)

5. Acceptance /Rejection Summary

Details of Total Quantity offered for inspection	Total Passed	Total Rejected	Percentage of Reduction

Declaration: Certified that:

a) Materials passed and meets the specification requirement satisfactorily.

b) Materials rejected does not meet the specification requirement satisfactorily.

It is requested that the proposed system improvement may kindly be pursued and comments/suggestions thereon (if any) may please be communicated to this office.

This issues with the approval of SDGM

[Handwritten signature]
18/12/20

Ritem
18/12/20
(R.K.Gupta)
Dy CVO/S&T
For GM (Vigilance)