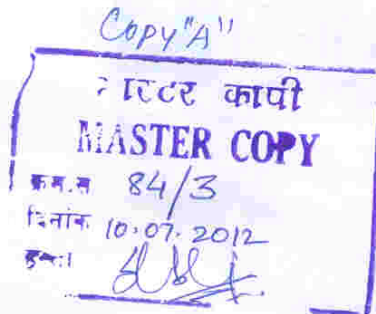


WEST CENTRAL RAILWAY

SCHEDULE OF TECHNICAL REQUIREMENTS FOR SUPPLY OF SET OF CUSHIONED SEAT&BERTH FOR WGSCN COACHES (BG)

No:CRWS/BPL/GSCN/cushion mtrl/STR003, Ver 05

Date of issue 27.06.2012



ISSUED BY

**COACH REHABILITATION WORK SHOP,
NISHATPURA, BHOPAL**

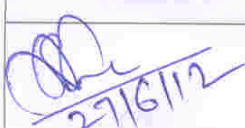

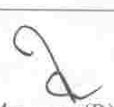

**SCHEDULE FOR TECHNICAL REQUIREMENT
FOR SUPPLY OF SET OF CUSHIONED SEAT & BERTH OF
WGSCN COACHES**

1.0 SCOPE OF SUPPLY

The scope covers the technical detail of material, terms & condition and inspection for supply of set of seat & berth of GSCN coaches at CRWS, Bhopal.

2.0 GENERAL CONDITIONS

- 2.1** Material manufacturing, supply and transport are the whole responsibility of supplier.
- 2.2** Unloading and unpacking of the material at nominated place will be done by Railway and same will be witness by the firm representative for confirmation of any transportation damages. Transport damage will be jointly recorded by firm representative and store representative. If any, transport damage noticed same can be rectified by the firm with the approval of Dy. CMM / CRWS/ Bhopal at their own cost.
- 2.3** Firm has to ensure that all the fittings are injury free.
- 2.4** Agreement has to be given in writing on non - judicial stamp paper of Rs. 100 that if there is any customer claim for injury due to material or bad workmanship of supplier then the firm will bear the compensation, if compensation is claimed within two years after turning out the coach.
- 2.5** The material used for manufacturing of seat and berths will be as per latest RDSO specification. Details of Drawing & material given in Clause 3.0 & Clause 4.0.
- 2.6** Supplier will strictly follow the safety rules as per factory act inside the workshop during supply.
- 2.7** The supplier shall be responsible for ensuring safety of his staff while supplying seat and berths within the Railway premises. In case of accident/causality during supply, the Railway will not be responsible for any compensation.
- 2.8** The supplier shall not take any advantage of any misinterpretation of the conditions due to typing or any other error and if is in doubt, shall bring it to the notice of the Chief Workshop Manager, CRWS, Bhopal without delay. His decision will be final.
- 2.9** Rejected material should be replaced by the firm at their own cost.

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 29/6/12 SSE/ Carpentry	 27/6 S SE/Furnishing	 Asstt. Works Manager (R)
	dugs checked only.  J.E. Drawing	


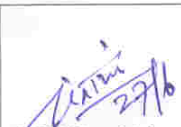
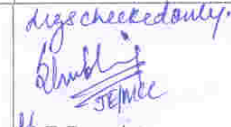

- 2.10 No claim whatsoever will be given to the supplier in any circumstances.
- 2.11 Material for making the seats and berths shall be procured from the approved sources advised by RDSO as valid on date of opening of tender. Suppliers are advised to refer the latest RDSO vendor list for the current approved source of supply.
- 2.12 Vendor approvals shall be confirmed, on date of inspection of raw material, by RITES.
- 2.13 The scope of Supply of material mentioned of this STR no. CRWS/BPL/GSCN/cushion mtrl / STR003, ver 05 Dt. 27.06.2012, Para 3.0, note (i) & (ii) to be ensured before supply.

3.0 SCOPE OF SUPPLY OF MATERIAL FOR GSCN COACHES

The details of seat & berths required for one GSCN coach is given below. Following materials are to be supplied by the firm in a coach set . Descriptions, Drawing numbers. and required quantity are as under: -

Table (A) : For RCF type coaches (Hinges type middle berths)

S.No.	Description	Drg. No.	Qty per set
1.	Complete assembled cushioned Transverse seat for SCN coaches	CRW/SK – 885 alt- 1	18 nos
2.	Complete assembled Cushioned Transverse Middle berth complete for SCN coaches	CRW/SK – 894 Col-III alt- 1	18 nos
3.	Complete assembled Cushioned Transverse Upper berth complete for SCN coaches	CRW/SK – 894 Col-II alt- 1	18 nos
4.	Complete assembled Cushioned Single seat for SCN coaches	CRW/SK – 887 alt- 1	19 nos
5.	Complete assembled Cushioned Berth cum back rest for SCN coaches	TCN-6-1-825 alt'b' & 3	18 nos
6.	Complete assembled Cushioned Longitudinal upper berth complete for SCN coaches	CRW/SK – 888 alt- 1	09 nos

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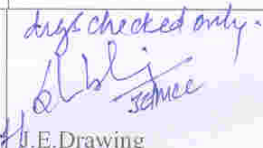

7.	Complete assembled Cushioned Back rest for TTE seat for SCN type coaches	TCN-6-1-829 alt'a' R	01 no
Total number of item in one coach set			101 nos

Table (B) : For wider way ICF type coaches (Bearing Hole type berths)

S.No.	Description	Drg. No.	Qty per set
1.	Complete assembled cushioned Transverse seat for SCN coaches	SCN5 - 6 - 1- 502 alt -g	18 nos
2.	Modified Berth Complete - for SCN coaches	ICF/SK-6-1-373alt.'d'. See note (ii) of clause 3.0 of this STR	45 nos
3.	Single seat Complete - for SCN coaches	SCN5 - 6 - 1- 508 alt .' e '	18nos
4.	Back rest Complete - for SCN coaches	SCN5 - 6 - 1- 506 alt .' g '	18 nos
Total number of item in one coach set			99 nos




NOTE: -

- (i) Effective length and width of longitudinal upper berth, Berth cum back rest, Transverse Middle berth, Transverse Upper berth, Transverse seat, Single seat may vary from coach to coach. Distance between stud to stud of transverse seat and single seat in longitudinal and transverse direction are also likely to vary and pitch distance of middle berth hinges also may vary from coach to coach. Hence, actual dimensions can only be assured after physical verification/ measurement on coaches. Therefore, coach wise actual dimensions will be provided by CRWS/BPL to supplier through FAX/ Mail about three weeks prior to supply of items. Supplier are advised to manufacturing and supply accordingly.
- (ii) In case of drawing no. ICF/SK-6-1-373alt.'d', mouldings to be replaced by one side laminated compreg ply wood berth panel (RDSO specn C-9407 Rev-02 TYPE-I OR Alternative material CK-513 amdt. Slip 2) at bottom of Upper berths , Middle berths and longitudinal upper berths of table 'B' of clause no. 3.0.

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 SSE/ Carpentry	 SE/Furnishing	<i>Days checked only.</i>  H.E. Drawing	 Asstt. Works Manager (R)

4.0 IMPORTANT MATERIAL SPECIFICATIONS

Item	Material spec. as mentioned in drawing	Revised Material spec. (On which the material required)	Remarks
(1).Cushioning material in all Seats & Berths has to be Densified Thermal Bonded Polyester block	Foam rubber MDTS-013	As per RDSO Spec. no. CK-607 (Rev-1)	This revised/upgraded material is to be procured from vendors approved by RDSO and pre inspected by RITES at manufacture's premises.
(2).Vinyl coated fabric	RDSO Spec.C-9503 Type-I	Spec.no. RDSO/2008/CG-07 The colour shade & pattern of this material Shell be as per sample code ALNAC - 03 or as agreed between the purchaser and supplier.	This revised/upgraded material is to be procured from vendors approved by RDSO and pre inspected by RITES at manufacture's premises.
(3). One side laminated compreg ply wood for berth panels	RDSO/Spec. C-9407 Type-I	RDSO C-9407 Rev-02 TYPE-I OR Alternative material CK-513 amdt. Slip 2, & colour, The colour shade & pattern of this material shall be as per LP sheet sample code NAC-SP-05 or as agreed between the purchaser and supplier".	This revised/upgraded material is to be procured from vendors approved by RDSO & Mouldings to be replace by berth panel at bottom of Upper berths , Middle berths and longitudinal upper berths of table 'B' of clause no. 3.0
(4).Seat & berth frame & all other items		As per drawing only.	
5. MDF board	IS: 12406-08	Compreg ply wood to IS: RDSO C-9407 Rev-02 TYPE-I	This revised/upgraded material is to be procured from vendors approved by RDSO and pre inspected by RITES at manufacture's premises.

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5.0 INSPECTION

M/s RITES will do stage inspection from raw material to finished product at supplier's premises. Inspection certificate should be produced by the supplier at the time of supply.

6.0 DELIVERY SCHEDULE

6.1 Supplier should supply as per consignee planning of out turn which will be about 05 coach set per month from each table (A) & (B), i.e. total 10 coach sets per month. Required quantity 05 sets per month from each table (A&B) may vary as according to incoming feedof coaches in CRWS/Bhopal.

6.2 Each item should be packed separately in suitable packing .It should be ensured that finished material would not damage in transit.




7.0 WARRANTY

The warranty is applicable as per IRS condition.

8.0 MARKING

Each product shall be legibly marked using Alluminium / Steel embossed or engraved plate with following details.

- i. Name of manufacturer/ Initial/trademark, if any.
- ii. Date/ month/year of manufacture.
- iii. Batch no. / serial number.

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 SSE/ Carpentry 27/6/12	 SE/Furnishing 27/6	 J.E. Drawing dys checked only 27/6/12	 Asstt. Works Manager (R)