

**Corrigendum No.1 to Tender No. SFM-09/53/WC/Co-Co Bogie(FMA).**

- (A) Name of work wherever appeared in the tender document shall be read as “**Processing of Un-fettled Co-co Bogie BG**” instead of ‘Processing of Un-fettled BG Trimount Bogies’.
- (B) **Special Condition of Contract is modified and shall be read as follows:-**

**“Special Condition Of Contract**

1. **COLLECTION & DELIVERY :**  
The firm shall collect Un-Fettled Co-co Bogies BG, duly checked (for dimensions as well as for chemical composition). Un-Fettled castings shall also be inspected jointly by Senior Section Engineer/Fettling, Senior Section Engineer/Moulding and Firm’s authorized representative. The firm shall lift and transport all Bogies from Steel Foundry to their premises and return the finished Bogies to SMM/D/PH-II/DMW/Patiala at their own risk & arrangement.
- 1.1 **Delivery Schedule:** The firm after completion of entire work, will return finished Bogies to Dy.CMM-II/DMW/Patiala.within 90(ninety) days from date of receipt of casting from Steel Foundry.
- 1.2 The contractor shall arrange for adequate protection of machined surfaces with suitable packing/supports. The bogies will be properly loaded in vehicle(s), lashed and secured for safe transportation to the consignees as advised by Steel Foundry/CLW.
- 1.3 **Capability of the Firm:** The firm shall explicitly undertake in its offer that it possesses capability to supply Bogies at least @ 6 Bogies per month, failing which the offer of the firm likely to be ignored. It is, therefore, essentially required that the firm shall submit a detail of the orders in hand and their plan of delivery to their respective clients.
2. **COMPLETION PERIOD :** The contract will remain valid for 10 months. Any extension of completion period will only be granted in exceptional circumstances under extant Rules.
3. **INSPECTION** : Inspection will be carried out by authorized representative of Dy.CME(Proj)/CON/SF and Dy.CME/P&I/CLW/Howrah at firm’s premises. The inspection will be done at following different stages.
  - I. 1<sup>st</sup> Stage –The first stage inspection shall be undertaken after heat treatment (normalizing & tempering). The firm shall have all test facilities for carrying out test as mentioned in clause 2.3 under scope of work. The firm shall furnish the heat treatment charts and details of microstructure and test piece parameters. The test piece shall be identified/marked and shown to inspector for verification.
  - II. 2<sup>nd</sup> Stage –The 2<sup>nd</sup> stage inspection shall be carried out after radiography, weld repair and stress relieving of the Bogie. The firm will furnish all the films clearly identified and marked.
  - III. 3<sup>rd</sup> Stage – The 3<sup>rd</sup> stage inspection shall be undertaken after machining.
  - IV. Final inspection report to be submitted in Document format No. SF-F-66-034.
4. **INDEMNITY BOND against custody of Railway Property** : In order to cover the Railways’ risk of castings taken over by the firm for processing, the firm shall submit Indemnity Bond covered by insurance, having a total value equal to Rupees 5.6 lakhs times total number of Bogie castings proposed to be held in the custody of the firm at any time. Indemnity Bond preferred by the firm shall have the validity upto delivery period plus sixty days claim period.
5. **BREAK UP OF COST** :The firm shall furnish detail break up of their rates for Fettled and Un-Fettled Bogies separately (which will form the basis of payment) as per the following operations:-
  - i) Cost of Fettling and Repair of Bogies
  - ii) Cost of Heat Treatment (including Normalizing and stress relieving after repair).
  - iii) Cost of Radiography.
  - iv) Cost of Machining.
  - v) Cost of Painting.
  - vi) Cost of Packing, Insurance, Transportation (to & fro): a) SF/CLW to Firm’s premises.  
b) Firm’s premises to DMW/Patiala.
  - vii) Service Tax.
  - viii) Central Sales Tax/ VAT if any.
  - ix) Total
6. **PAYMENT TERMS:** 100% payment for each Bogie shall be made on submission of Bill to FA&CAO(X)/CLW/Chittaranjan through Dy. CME (Proj)/Con/SF. The Bill shall be accompanied by duly Receipted Delivery Challan, Inspection Certificate countersigned by Dy. CME (Proj)/Con/SF. The Bill shall be accepted by Dy.CME (Proj.)/Con/SF.
7. **PACKING** : Bogies shall be suitably packed for safe transportation. Machined surfaces and all fitted components shall be protected properly. The contractors shall, at his own, arrange fixture for safe loading & transportation of Bogies.
8. **SERVICE TAX & SALES TAX** : The firm shall submit their Registration nos. for Service tax and Central Sales Tax, in accordance with extant rules.
9. **CONTRACT AGREEMENT:** The successful firm has to sign a contract agreement with President of India acting through General Manager /Chief Mechanical Engineer/ Chief Mechanical Engineer(PR)/SF / Dy. Chief Mechanical Engineer, Steel Foundry/Works Manager, Steel foundry as the case may be of Chittaranjan Locomotive Works, Chittaranjan for execution of the above work to the terms, conditions and specifications, provided and / or agreed to for the present contract. The railways reserve the right to terminate the contract a any stage if considered necessary by the railways without showing any reason whatsoever for greater interest of the work and such actions of railways cannot be challenged by the tenderer/contractor.
10. **VARIATION IN QUANTITY:** The Railway administration reserves the right to increase ordered quantity as per extant Railway rules.
11. Rate is subject to the condition that the Scrap generated during processing of castings at firm’s works will be retained by the firm.
12. The railways reserve the right to terminate the contract at any stage if considered necessary by the Railways without showing any reason whatsoever for greater interest of the work and such actions of railways cannot be challenged by the tenderer/contractor.
13. Whole contract will be governed by the ‘General Conditions of Contract’ (GCC) of the Indian Railways.”

**(C) Scope of Work of Contract is modified and shall be read as follows:****“Scope of Work**

1. **SCOPE OF WORK:** Co-co Bogies BG will be supplied to contractor in un-fettled condition after removal of Risers, Runners, Ingates etc. but without further fettling.. Scope of work comprises of the followings shall be done as per DRG. No.11020118 Alt. T to suit Part No.11023168 & DRG. No.4113 V 13803 mentioned therein alongwith Item No. 6, 7, 19, 20 & 25 (excluding Item No.3, 4, 5, 8 to 18, 21 to 24, 26 & 27 to DRG. No. 4113 V 13803 Alt. T Part DRG. SK. No.0852 Alt. 'Y', Specn. No. MP.0.4900.04 (Rev.01) Alt. A1 Oct.2004.
  - 1.1 Fettling including Grinding, Welding, Shot Blasting, Heat Treatment, Radiography and Weld Repairs.
  - 1.2 Complete Machining.
  - 1.3 Transportation of bogie casting from SF/CLW to firm's premises and firm's premises to consignee.
2. **SEQUENCE OF OPERATIONS :**
  - 2.1 **Grit Blasting** – Bogies shall be subjected to Grit Blasting for cleaning of casting surface and removal of sand.
  - 2.2 **Fettling/Bumping** –Bogies shall be subjected to fettling and bumping for removal of core, core rods, chills etc.
  - 2.3 **Heat Treatment** –Bogies shall be subjected to Normalizing & Tempering as per Clause 8.2 of RDSO Specification No. MP.0.4900.04 Rev. 0.1; complete heat treatment chart for the processes shall be supplied for inspection, following which Test sample taken from Bogie casting shall be removed and treated and subjected to Tensile test as well as microscopic examination. The Bogie shall be deemed to be in acceptable condition for subsequent processing only if the following conditions are complied:-
    - Heat treatment chart shall indicate compliance of specified Normalizing & Tempering cycle.
    - Microstructure of Bogie test piece shall be “Uniformly distributed ferrite & pearlite grains equiaxed with grains of ASTM No.6 or finer (Para 8.2.4 of RDSO’s Specification).
    - The physical properties of test bar shall conform to Para 8.1.3 of the RDSO’s specification.
  - 2.4 **Blasting after Heat Treatment** – The Bogies shall be Grit Blasted again for removal of scales and surface shall be cleaned properly.
  - 2.5 **Removal of Fins**– All extra metal (fins) on Bogie surface shall be removed by Oxy Cutting/ Arc Air Gouging.
  - 2.6 **Weld Repair** – All casting defects shall be repaired as per para 14 of RDSO’s Specification no. MP.0.4900.04 Rev. 0.1. Welding Electrodes shall be as defined in the latest relevant weld procedure approved by RDSO (Ref. Cl.14.3 of MP.0.4900.04 Rev.0.1).
  - 2.7 **Radiography** – All Bogies shall be subjected to Radiographic Examination as per Cl. 8.4 of RDSO Specification No.MP.0.4900.04 Rev. 0.1.
  - 2.8 **Dimensional Checking & Rectification** – The Bogies shall be checked for dimensions and necessary rectifications completed, including cold pressing, hot setting etc., for removal of twist/ deformation if any. Extra metal if any shall be removed by air arc gouging. Building up of metal where required shall be carried out by welding using proper class of electrode as specified above.
  - 2.9 **Stress Relieving** – The Bogies shall be subjected to Stress Relieving compliant with Clause 8.2.3 of RDSO’s Spec. no. MP.0.4900.04 Rev. 0.1. All Heat Treatment particulars shall be maintained for inspection.
  - 2.10 **Dimensional and Level Check** – The Bogies shall be subjected to checking for level and adequacy of machining allowance before machining.
  - 2.11 **Machining** – The bogies shall be machined as per relevant drawing mentioned above.
  - 2.12 **Painting** – The Bogies shall be painted as per Para-13.6 of RDSO’s Specn. no. MP.0.4900.04 Rev. 0.1 using paints of any of the following brands - “Johnson & Nicholson, Asian Paint, Berger Paints”.

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