



वेण्डर डायरेक्टरी VENDOR DIRECTORY

क्यूएम-एम-7.1-1 QM-M-7.1-1
(Carriage, Wagon, Locomotive and M & C items)



(01 जनवरी 2015 से 30 जून 2015 तक)
(01st January 2015 to 30th June 2015)

Issued by

*गुणवत्ता आश्वासन (यांत्रिक) निदेशालय
Quality Assurance (Mechanical) Directorate*

अनुसंधान अभिकल्प एवं मानक संगठन

Research Designs and Standards Organisation

मानक नगर, लखनऊ - 226 011

Manak Nagar, Lucknow - 226 011

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IMPORTANT INSTRUCTIONS FOR USING VENDOR DIRECTORY

1.0 Scope: This vendor directory deal with critical and safety items for which vendors are approved by Quality Assurance (Mech.), Wagon, Carriage, Motive Power & M&C Directorates of RDSO. The QA(Mech.) Directorate deals specifically with certain items only of Mechanical Engineering (pertaining to Wagon, Motive Power, Carriage and M&C). Items approved by different directorates are grouped and published.

1.1 Total number of items for which vendors are approved by various directorates are as under :

S. No.	Directorate	Total number of items
1.	Q. A. (Mech)	65
2.	Wagon	06
3.	Carriage	40
4.	Motive Power	208
5.	M&C	72

1.2 Procurement of structural steel items by railway Board from RDSO approved sources has been done away with. (Railway Boards letter No. RS(S)/2011/747/1 dt.11.8.2011)

1.3 In case of technical/vendor approval clarification, or any other query, the procuring agency shall directly contact the concerned RDSO Directorate undertaking vendor approval. It is the responsibility of procuring agency to obtain any clarification (from technical Directorates of RDSO) & refer to the latest amendments/ alterations to Specifications & Drawings, during procurement of items mentioned in this vendor directory.

1.4 Footnotes, wherever, provided may be referred to for additional information.

2.0 Categories of Items: Column'd' of the index table indicates the category in which the item falls. As per the directives of the Board issued vide letter number 99/RS(G)709/1Pt.I dated 11.03.05, the categories are defined as under:

Category	Vendor Registration & Approving Authority	Inspection	Vendor Development
Category-I	RDSO	RDSO/RITES	RDSO
Category-II	RDSO	RDSO	RDSO
Category-III	RDSO for wagon & Coaching items & PUs for Diesel items	RDSO/RITES	PU & RDSO

(i) For category-III items, PUs are also permitted to develop new sources. In all such cases the first inspection of the bulk procurement must be carried out by RDSO and after final approval of the vendor on successful completion of the first bulk order, the vendor be incorporated in RDSO's approved vendor list without any need for reassessment by RDSO.

(ii) In case of Diesel items, the PUs may develop and register vendor which are essential to continue the ongoing indigenization programme for the locomotives.

(iii) Periodic re-certification of all vendors included in RDSO's vendor list will be done only RDSO.

3.0 Vendor details: To facilitate the procuring agency in nominating the inspecting agency, a region-wise list of vendors, indicating the Zonal Office of QA (Mech) Directorate doing the purchase inspection, is in table format for 'Details of the Vendors' in the last section of the Vendor Directory.

3.1 In compliance to Rly Bd's letter no. 2010/RS(G)363/1 dtd 05.07.2012 regarding 'Public Procurement Policy' for goods procured and services rendered by Micro and Small Enterprises (MSEs), data of approved vendors identifying MSEs and among them belonging to SC/STs are provided under column

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'Category' & 'Ownership' for enterprise/firm's category and its ownership respectively in the table of 'Details of the Vendors'. This information is filled as given below:

- i) Category of Firm/Enterprises– 'M' for Micro Enterprises, 'S' for Small Enterprises and 'OTH' for Other than Micro/Small Enterprises.
- ii) Ownership of Firm/Enterprises– 'SC' for Scheduled Castes, 'ST' for Scheduled Tribes and 'OTH' for Other than Scheduled Castes / Scheduled Tribes.

- 3.2 This vendor directory also indicates the latest available phone number, fax number and e-mail address of the vendors. This region-wise list is only for the general guidance of procuring agencies and is in no way meant to restrict the choice of vendors during tendering by Railways, on regional basis.
- 3.3 The annual production capacities of the vendors have been indicated in the vendor directory, to the extent available. These capacities are the maximum production capacities for the bottleneck activity in the manufacturing process for each item, when the manufacturer devotes his entire manufacturing capability towards manufacturing the Particular item only. These figures are dynamic and may change from time to time, as the vendors keep on making adjustments in their product-wise capacity. The production capacity figures indicated in this vendor directory are in no way meant to influence the decisions of Tender Committees while deciding tenders.
- 4.0 **Vendor's Responsibility:** If due to any oversight/typographical error or any other reason, a vendor has been incorrectly placed in Part-I or Part-II for a particular item, then the vendor shall immediately inform RDSO about the error.
- 5.0 **Changes in Vendor Directory:** Approvals granted in the intervening period between the issue of this directory and the next directory to be issued should be considered as valid on the basis of the approval letters issued by competent authority of RDSO. Such changes in the vendor directory, like addition / deletion / upgradation / downgradation would be made available through monthly amendments. vendor directory & its subsequent monthly amendments and changes made after amendment which are available at the RDSO web-portal www.rdsO.indianrailways.gov.in accessible through Internet
- 5.1 Whenever inspection of item(s), for which a vendor is approved, is withheld / suspended, the status of the firm shall remain unchanged i.e. for all purposes, the approval status of the vendor shall be as indicated in vendor directory.
- 6.0 **Order Supply Quantity in Part-I & Part-II status:** The vendors approved for manufacture and supply of various components are divided in two Parts i.e. Part-I & Part-II. The criteria are as below:
 - Part-I:** *This is the regular category of approval. The firms in this category have been assessed to possess requisite infrastructure to produce consistently quality material up to the assessed production capacity with regular monitoring of quality assurance system.*
 - Part-II:** *This is the initial category of approval which has been granted based on assessment of infrastructural facilities available and satisfactory demonstration of production of samples as per specification. The firms possess the requisite infrastructure but their capability to consistently produce the quality material giving satisfactory service life in field is yet to be established. The firm can also be under Part-II category due to down gradation from Part-I category owing to specific cause.*

The procuring agencies shall consider placement of orders on these vendors (Part-I & Part-II) in accordance with Railway Board's directives issued from time to time. Some of the letters issued by Railway Board in this regard are:

- (i) Railway Board's Letter No. 99/RS(G)/709/1 dated 06.09.1999
- (ii) Railway Board's Letter No. 99/RS(G)/709/1 dated 16.09.1999
- (iii) Railway Board's Letter No. 99/RS(G)/709/1Pt.I dated 28.04.2004
- (iv) Railway Board's Letter No. 99/RS(G)/709/1 dated 05.05.2006

(v) Railway Board's Letter No. 99/RS(G)/709/1Pt.1 dated 29.06.2007

(vi) Railway Board's Letter No. 99/RS(G)/709/1 dated 06.12.2007

However, procuring agency should also refer further latest instructions, if any, issued by Railway Board.

7.0 Destructive Testing during purchase inspection: Some of the items require destructive testing during purchase inspection. The samples consumed during this testing are required to be accounted in the total quantity supplied and the payment has to be made as indicated in Indian Railways Standard Condition of Contract (Para 417 of IR code for Stores department) Para No. 1308 which read as : *“Stores Expended in Test– Unless otherwise provided for in the contract if the test proves satisfactory and the stores or any instalment thereof is accepted, the quantity of the stores or materials expended in the test will be deemed to have been taken delivery of by the Purchaser and be paid for as such.”* Since the samples consumed during destructive testing can not be utilized on rolling stock by the consignee therefore it is considered to inform the number of samples required for destructive testing in a course of normal inspection for various items in vendor directory. Such details are made available in the table under heading “sample size required for destructive testing” at the end of this vendor directory. Railways may consider accounting of this quantity (stores expended in test) while placing the purchase order,if desired.

8.0 Procedure to be followed for rejection of material by consignee and for its clearance: The guidelines to be followed after rejection of material by consignee and for its clearance have been issued by Railway Board vide letter No.2000/RS(G)/379/2 dated 13.03.2009. Accordingly wherever material is rejected, the material rejection advice/rejection memo should be sent to all concerned, recovery of the payment made if any, joint inspection of rejected lot of goods should be held with pre-inspecting agency & firm and observation of joint inspection be recorded in standard format no. QM-F-7.1-18 (with latest version) of RDSO and signed jointly.

Incase of replacement supply against the rejected lot of goods, the same should be pre-inspected by the pre-inspecting agency prior to the acceptance of the same by the consignee. Firm may be permitted to rectify the rejected goods in its premises after depositing the payment already made against the same. After rectification/replacement of the material the rejection advice should be withdrawn under advice to all concerned.

9.0 Contact Addresses for clarification:

Field units shall obtain clarification on matters related to vendor approval, specifications & drawings from the concerned directorate which undertake vendor approval of the item. QA(Mech) Dte undertake multi-sourcing of items transferred from design directorates viz Motive Power, Carriage, Wagon & M&C Dte. As such, on technical matters relating to specification/drawing of QA(Mech) controlled items can also be directly obtained from the concerned design directorate. The items are grouped directorate wise and the designation of the Director controlling the items is indicated in the last column 'e' of index page.

9.1 Office address and phone no. of different Directorates are given below:

S.No	Directorate	Address	Telephone no.	Fax No.
1.	Wagon	Executive Director, Wagon Directorate/RDSO, Manak Nagar, Lucknow – 226011	42920 (Rly), 0522-2456165(DOT)	0522-2452494(DOT)
2.	Motive Power	Executive Director, Motive Power Directorate/ RDSO, Manak Nagar, Lucknow – 226011	42450(Rly) 0522-2450123(DOT)	0522-2453916(DOT)
3.	Carriage	Executive Director, Carriage Directorate/ RDSO, Manak Nagar, Lucknow -226011	42150(Rly) 0522-2450679(DOT)	0522-2450679(DOT)
4.	QA (Mech)	Executive Director, QA(Mech)Directorate/RDSO, Manak Nagar, Lucknow -226011	42560 (Rly), 0522-2450189(DOT)	0522-2450189(DOT)
5.	M&C	Executive Director, M&C Directorate/RDSO, Manak Nagar, Lucknow–226011	42400(Rly) 0522-2456015(DOT)	0522-2456015(DOT)

9.2 Contact details of Controlling Directors: Controlling director of the item is the right person to be contacted on matters relating under approval/ technical matters. The contact details of controlling directors are given below:

S.No.	Directorate	Designation	Cell no.	Fax No.	E-mail ID
1.	Wagon	DSW/BD	-	0522-2465777	directorwagon4@gmail.com
		DSW/WP	9794863033	0522-2465744	dswbdrso@gmail.com
		JDSW/WD-I	9794863129	0522-2465777	dswwd.rdso@gmail.com
		DSW/WD-II	9794863029	0522-2465773	directorwagon1@gmail.com
		JDSW/FED	9794863349	0522-2452494	jdswfed@gmail.com
		JDSW/CD	9794863246	0522-2459284	dswcd2012@gmail.com
2.	Motive Power	Dir/MP-SC	9794863222	0522-2453916	sptabc@gmail.com
		Dir/MP-ES&BK	9794863120	0522-2453916	directoresmp@gmail.com
		Dir/MP-EM	9794863050	0522-2453916	dmphyd@gmail.com
		Dir/MP-EC	9794863128	0522-2453916	rdso.dmpec@gmail.com
		Dy.Dir/MP-BK	9794863241	0522-2453916	ddmpbkh@gmail.com
		Dir/MP-ENG	9794863127	0522-2453916	directorengine@gmail.com
		JD/MP-VDG & LD	9794863239	0522-2465729	anurag.saras@gmail.com
3.	Carriage	Dir/SS	9794863275	0522-2465708	dircarriagess@gmail.com
		Jt.Dir/VDG & E&S and Brakes	9794863110	0522-2465775	dirvdgrdso@gmail.com
		Dir/SS	9794863351	0522-2450679	Deependrakumr1996@gmail.com
		Jt.Dir/VDG & E&S and Brakes	9794863110	0522-2465775	dirvdgrdso@gmail.com
		JDir/CD	9794863106	0522-2465712	directorcarrcdc@gmail.com
4.	QA (Mech)	Dir/I&L/LKO	9794863268	0522-2451930	dirqamlko@gmail.com
5.	M&C	Dir/M&C	9794863184	0522-2465720	dmc1.rdso@gmail.com
		DD/Weld/M&C	9794863305	-	harishddmetw@gmail.com
		DD/Lub & Tribo/M&C	9794863185	-	rajeshsri.rdso@gmail.com

9.3 The addresses of QA(Mech.) Dte's Zonal offices are given below :

QA (Mech) Dte has its zonal offices located at the following addresses for carrying out various field activities.

Zone	Designation & address	Telephone Nos.		Fax No	E-mail ID
		Railway	DOT/Cell No.		
Lucknow	Director (I&L), QA(Mech.) Dte., RDSO, Manak Nagar, Lucknow - 226011	032-42561	0522-2451930 09794863268	0522-24519301	dirqamlko@gmail.com
New Delhi	Director (I&L)/RDSO, IRCOT Complex, Behind Shanker Market, Shivaji Bridge, New Delhi-110 001.	030-32919	011-23414272 09717640084	011-23414273	dirqamndls@gmail.com
Kolkata	Director (I&L)/RDSO, 3, Koilaghat Street, Kolkata-700 001.	020-27070	033-22480461 09002042401	033-22100659	dirqamkol@gmail.com

Mumbai	Director (I&L)/RDSO, 1 st Floor, New Annexe Building, Western Railway, Churchgate, Mumbai- 400020.	090-22795	022-22032867 09987572001	022-22032867	dirqammumbai @gmail.com
	Sub-office Sr. Inspecting Officer (I&L)/ RDSO, Wagon Depot, Sick line office, Sanath Nagar, Hyderabad - 500018	070- 81301	040-23772317	040-23772317	sioqamhyb @gmail.com

10.0 **Railway Board's guidelines for dealing with Cartel formation:**

Some of the important letters issued by Rly Board on matters relating to Cartel formation by vendors are as under:

- (i) Railway Board's Letter No. 2001/RS(G)/779/4 dated 05.08.2002
- (ii) Railway Board's Letter No. 99/RS(G)709/1 dated 03.05.2005
- (iii) Railway Board's Letter No. 2005/RS(G)/709/1 dated 17.11.2006
- (iv) Railway Board's Letter No. 2001/RS(G)/779/4 dated 12.12.2006

However, procuring agency should also refer to any further instructions issued by Railway Board on the above subject, if any.

10.1 Rly Bd's letter no. 2001/RS(G)/779/4 dated 5.8.2002 dated 05.05.2002 is reproduced as under

No: 2001/RS(G)/779/4

New Delhi, dt 05-08-2002

The General Managers,
All Indian railways
Including CLW, DLW, ICF, RCF & WAP
East coast Railway, Bhubaaneshwar,
East Central Railway, Hajipur
North Central Railway, Allahabad
North Western Railway, Jaipur,
South Western Railway, Bangalore,
West Central Railway, Jabalpur
The General Manager (Const.)
N.F. Railway, Guwahati.
CAOs(Const), All Indian Railways(except N.F. Railway)
The Director General, RDSO, Lucknow
The General Manager,
Central Organisation for Rly. Electrification, Allahabad
The General Manager, Metro Railway, Kolkata
CAO, Diesel Component works, Patiala
CAO, COFMOW, Rly offices complex, Tilak Bridge, New Delhi.

Sub: Cartel formation by approved vendors.

A number of references have been received from Railways/PUs regarding cartel formation by approved vendors and consequent substantial increase in rates in tenders. In such cases, even the negotiations have not helped in obtaining significant reduction in prices. This issue was discussed in detail in 56th Conference of Controller of stores at Railway Board on 13th/14th June, 2002 and it emerged that most of the approved vendors are taking undue advantage of Railways policy of bulk quantity procurement only from approved sources.

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2. After having considered the matter in detail, it has been decided that the tender documents may include following conditions.
 - a) Wherever all or most of the approved firms quote equal rates and cartel formation is suspected, Railways reserve the right to place order on one or more firms with exclusion of the rest without assigning any reasons thereof.
 - b) Firms are expected to quote for a quantity not less than 50% of tendered quantity. Offers for quantity less than 50% of tendered quantity will be considered unresponsive and liable to be rejected in case cartel formation is suspected. Railways, however, reserve the right to order on one or more firm any quantity.
 - c) The firms who quote in cartel may be warned that their names are likely to be deleted from list of approved sources.
3. Selection of one or more firms as per Para 2(a) above, may be on the basis of past performance records, capability, capacity, quality performance, location after sales service response etc. subject to rates being considered reasonable. Wherever tendered quantity is quite large and the capacity of approved firms individually is small, minimum 50% quantity limit as per para 2 (b) may be suitably modified in tender conditions. Further, Railways may report the details of firms found involved in forming cartel to source approving authority for considering down gradation/deletion of names of such firms from list of approved sources.
4. The instructions contained in Board's letter no. 99/RS(G)/709/1. dt 6.9.99 of ordering not more than 15% of quantity of Part II approved sources and 5% of quantity on new source are to be followed in normal circumstances. Wherever there is suspected cartel formation from approved sources, after recording the reasons, railways are permitted to place orders on Part II sources and new sources beyond 15% and 5% respectively.
5. Despite above measures, if there is not success in breaking cartel, further recourse as may be deemed fit, including taking up the matter with MRTP commission or proposed competition commission of India(as and when it is set up) may be considered.
6. This issue with concurrence of finance directorate of Ministry of Railways.

Sd/-
(P. C. Sharma)
Executive Director Railways Stores (G)
Railway Board
New Delhi, Dt 05.08.2002

No: 2001/RS (G)/779/4

Copy to:

The COSs, all Indian Railways/Production Units.

FA & CAOs, all Indian Railways & Production Units.

Executive Director, Iron & Steel 3, Koila Ghat Street, Kolkata.

The Director of Audit, All Indian Railways.

The Managing Director, RITES, New Delhi House, Barakhamba Road, New Delhi

Sd/-
(P. C. Sharma)
Executive Director Railways Stores (G)
Railway Board

Copy to:

AM(RS), AM(L), AM(ME), AM(PU), AM(F), AM(CE), AM(TELE), AM(Sig),EDRS(C), EDRS(P), EDRS(S), EDV(s), EDF, EDF(S), EDME(W), EDME(Traction), EDME(Chg), EDEE(Dev), EDEE(G), F(S)-I, F(S)-II, and all other officers and Branches of stores Dte.

Sd/-
(P. C. Sharma)
Executive Director Railways Stores (G)
Railway Board

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44.	Bolster Suspension Hangers of Main Line & Emu Coaches	47	II	Dir/I&L/Lko
45.	Brake Block Hangers (Modified Design) for ICF Bogie	47	II	Dir/I&L/Lko
46.	Screw Couplings	48	II	Dir/I&L/Lko
47.	Enhanced Capacity (Alloy Steel) Draw Hook Assembly Used on Railway Coaches	48	I	Dir/I&L/Lko
48.	Lubricated taper plug valves	48	I	Dir/I&L/Lko
49.	Silico-Manganese & Manganese Steel Liners & Wear Plates for Bogie and couplers	49	II	Dir/I&L/Lko
50.	Snubber Assembly for Locomotives	49	II	Dir/I&L/Lko
51.	Cold Rolled Formed Sections for Freight Stock	49	II	Dir/I&L/Lko
52.	Brake Slack Adjuster Type IRSA-750 for Freight Stock & Spares	50	II	Dir/I&L/Lko
53.	Body Side Wall, End Wall and Flap Door of BOXNR Wagons	50	II	Dir/I&L/Lko
54.	Phosphoric Iron (Medium Phosphorus) Brake Block	51	I	Dir/I&L/Lko
55.	RDSO approved firms for Class 'A' Foundry	51	--	Dir/I&L/Lko
Wagon Directorate Controlled Items				
56.	Constant Contact PU Side Bearer Pads for HS Bogies	53	II	DSW/BD
57.	Constant Contact PU Side Bearer Pads for NLB Bogies	53	II	DSW/BD
58.	Non-asbestos 'L' type Composition Brake Blocks for container flat wagons	53	II	DSW/CD
59.	Non-asbestos 'L' type Composition Brake Blocks for freight stock with 1000 mm wheel dia	54	II	DSW/CD
60.	Non-asbestos K-type Composition Brake Blocks for freight stock	54	II	DSW/CD
61.	Bogie Mounted Brake System for freight stock fitted with Casnub Type Bogie (As per spec. no. WD-23-BMBS-2008)	54	II	DSW/CD
Carriage Directorate Controlled Items				
62.	Wood based impregnated compressed laminates for use in Railway Coaches to specification no.C-9407(Rev-03)	55	I	Dir/ Carr-SS
63.	Fire retardant curtain Fabric to specification no. C-9911(Rev.03)	55	I	Dir/ Carr-SS
64.	Decorative Thermosetting Synthetic Resin Bonded Laminated Sheets for use in coaching stock to specification no.C-K-514	55	I	Dir/ Carr-SS
65.	Natural Fibre Thermosetting Composite (NFTC) Sheets for Roof Panelling of Railway passenger coaches to specification no. C-K 511	55	I	Dir/ Carr-SS
66.	Prelaminated shaded compreg for use in Railway passenger Coaches to spec. no. C-K 513	56	I	Dir/ Carr-SS
67.	Fire retardant upholstery to specification no. C-9901(Rev.02)	56	I	Dir/ Carr-SS
68.	Vinyl Coated Upholstery Fabric (Artificial Leather) for Coaching Stock to RDSO specification no. RDSO/2008/CG-07	56	I	Dir/ Carr-SS
69.	Flexible Vinyl flooring for use in coaching stock to specification no. C-K604	57	I	Dir/ Carr-SS
70.	High capacity thermoplastic polyester elastomer (Hytrel) Upper & Lower Washers used in the primary suspension for B.G main line coaches to specification no. C-K409(Rev.02)	57	II	Dir/ Carr-SS
71.	Liner to be used below Hytrel Lower Washer in the Primary Suspension for BG Main line coaches(Tentative) to specification no. RDSO/2008/CG-10.	57	II	Dir/ Carr-SS
72.	Injection Moulded Polyacetal Protective tube for ICF type BG Main line & EMU Trailer Coaches(Tentative) to specification no. RDSO/2009/CG-03	57	I	Dir/ Carr-SS
73.	Silent Block for Anchor Link of BG Coaches to specification no. C-9406(Rev.02)	58	II	Dir/ Carr-SS
74.	Direct Mounted Double Row Self-aligning Spherical Roller Bearing for use on ICF Type ALL- Coil Bogie for Passenger Coaches to Spec. No. C-8527(Rev.01)	58	I	Dir/ Carr-STD
75.	Double acting Hydraulic Shock Absorbers for ICF design Coaching stock for secondary suspension to Specification no.C-8703(Rev.02)	58	I	Dir/ Carr-SS
76.	Densified Thermal Bonded Polyester Blocks for use in railway coaches for seats & Berths (Povisional) to specification no. C-K607(Rev.01)	58	I	Dir/ Carr-SS
77.	Flexible Polyvinyl Chloride (PVC) flooring for use in coaching stock to	59	I	Dir/ Carr-SS

	specification no. RDSO/2006/CG-12(Rev.01)			
78.	UIC Type Elastomer Flange Connection for Inter-communication between passengers coaches to RDSO specification no. RDSO/2007/CG-05	59	I	Dir/ Carr-SS
79.	Injection moulded silent block for Centre Pivot of BG Coaches to RDSO specification no. RDSO/2006/CG-6.	59	II	Dir/ Carr-SS
80.	Stain proof fire retardant upholstery cloth to RDSO specification no. C-K 610(Rev.01)	60	I	Dir/ Carr-SS
81.	Injection Moulded Thermoplastic Polyester Elastomer Axle Box Front cover for MG & BG Main line & EMU Coaches to RDSO Spec.No. RDSO/2007/CG-07(Rev.1)	60	II	Dir/ Carr-SS
82.	Self – Lubricating Polyester Resin Composite based Wearing Piece for Side Bearer for Use in ICF Type BG Main line,EMU/DMU Coaches to RDSO Specification No. RDSO/2008/CG-06(Rev-1)	60	I	Dir/Carr-SS
83.	Electro Pneumatic Brake system for EMU,DMU & MEMU stock of Indian Railways to RDSO Specification No. RDSO/2013/CG-03.	60	II	Jt.Dir/ Carr-E&S
84.	Non asbestos based 'K' type high friction composite brake blocks for coaches with bogie mounted Brake system on Indian Railways to specification no. C-9809(Rev.04)	61	II	Jt.Dir/ Carr-E&S
85.	Non asbestos based low friction composite brake blocks for application on Coaching stock of Indian Railways to specification no. C-9907(Rev.04)	61	II	Jt.Dir/ Carr-E&S
86.	Non asbestos based low friction composite brake blocks for application on MG Coaching stock of Indian Railways to specification no. C-K211(Rev.01)	61	II	Jt.Dir/ Carr-E&S
87.	Non- Asbestos based 'K'-Type High friction Composite Brake blocks for EMU stock of Indian railways to specification no.C-9508(Rev.03)	61	II	Jt.Dir/ Carr-E&S
88.	Distributor Valve with Relay Valve for air brake system of Passenger stock on Indian Railways to specification no. C-K209	62	II	Jt.Dir/ Carr-E&S
89.	Injection Moulded High Performance Polymide "HPPA"(Self lubricated superior Nylon grade) Brake Gear Bushes for BG Main Line Coaches to specification no. RDSO/2009/CG-17(Rev.01)	62	II	Jt.Dir/ Carr-E&S
90.	Self lubricating Polyester Resin based composite brake gear bushes to be used in main line Coaches (BG) to RDSO Spec. No. C-K605(Rev.01)	63	II	Jt.Dir/ Carr-E&S
91.	Panel mounted brake system for Hybrid/ Conventional coaches(Tentative) to RDSO specification no. RDSO/2009/CG-16.	63	I	Jt.Dir/ Carr-E&S
92.	Fibre Glass Reinforced Plastic (FRP) Windows of BG Mainline and EMU Coaches to RDSO specification no. RDSO/2007/CG-02 (Rev.01) -"Two piece glass shutter of BG Mainline".	63	I	Dir/ carr-STD
93.	Fibre Glass Reinforced Plastic (FRP) Windows of BG Mainline and EMU Coaches to RDSO specification no. RDSO/2007/ CG-02 (Rev.01) - "Single Piece Louver Shutter of BG Mainline".	64	I	Dir/ carr-STD
94.	Fibre Glass Reinforced Plastic (FRP) Windows of BG Mainline and EMU Coaches to RDSO specification no. RDSO/2007/CG-02 (Rev.01) -"Banjo shutter of BG Mainline".	64	I	Dir/ carr-STD
95.	Fibre Glass Reinforced Plastic (FRP) Windows of BG Mainline and EMU Coaches to RDSO specification no. RDSO/2007/ CG-02 (Rev.01) - "Body Side Window Assembly of BG Mainline".	65	I	Dir/ carr-STD
96.	Fibre Glass Reinforced Plastic (FRP) Window Guides, Window Sills and Cross members for Mainline & EMU coaches to RDSO Spec.No. RDSO/2007/CG-03 (Rev.01)	65	I	Dir/ carr-STD
97.	Air Spring assembly for higher capacity loads used on EMU/DMU Coaches for ICF type Bogies to RDSO Specification No. C-K 406(Rev.2).	66	II	Jt.Dir/ carr-VDG
98.	Air suspension control equipments for air spring assembly system with ICF/LHB type Bogie to RDSO specification no. C-K 407(Rev.02)	66	II	Jt.Dir/ carr-VDG
99.	Scharfenberg Couplers & Draw gear for Electric Multiple Unit Rolling Stock for Calcutta & Bombay suburban service Broad Gauge 1676 mm to specification no.61-B-36 Rev.68-1(Reconstructed November 2004)	66	II	Jt. Dir/ carr-CD
100.	High Tensile Tight Lock Centre Buffer Coupler with AAR 'H' Type Head for fitment of BG Passenger coaches of Indian railways to RDSO specification no. C-K 009(Rev.02)	67	II	Jt. Dir/ carr-CD
101.	Friction Snubber for primary suspension of BG(1676 mm) mainline (13 t) ICF all coil Bogies for operation of maximum speed of 105 KMPH to	67	II	Jt.Dir/ carr-VDG

RDSO specification No. C-K401.				
Motive Power Directorate Controlled Items				
Motive Power - Engine Items				
102.	Bearing, Shell, Connecting rod, for ALCO Locomotives	68	I	DIR/MP-ENG
103.	Bearing, Shell, Inter & Centre, Main for ALCO Locomotives	68	I	DIR/MP-ENG
104.	Bearing, Shell, Thrust, Main for ALCO Locomotives	68	I	DIR/MP-ENG
105.	Bearings Shell, Con Rod for EMD Locomotives	68	I	DIR/MP-ENG
106.	Bearings Shell, Main for EMD Locomotives	69	I	DIR/MP-ENG
107.	Carrier-Piston Pin for EMD Locomotives		I	DIR/MP-ENG
108.	Carrier-Piston Pin-FR for EMD Locomotives		I	DIR/MP-ENG
109.	Crank shaft, 12/16 Cylinder ALCO engine and 16 Cylinder EMD Engine	70		
	(A) Crank shaft 12 cylinder ALCO engine	70	I	DIR/MP-ENG
	(B) Crank shaft 16 cylinder ALCO engine	70	I	DIR/MP-ENG
	(C) Crank shaft 16 Cylinder EMD engine	70	I	DIR/MP-ENG
110.	Cylinder Head (251 Plus), for ALCO Locomotives	70	I	DIR/MP-ENG
111.	Cylinder Head for EMD Locomotives	70	I	DIR/MP-ENG
112.	Liner, Kit Cylinder, 3RV for ALCO Locomotives	71		DIR/MP-ENG
113.	Piston and Piston casting for EMD locomotives	71	I	DIR/MP-ENG
114.	Piston, Steel Cap11.75 CR, for ALCO Locomotives & Piston, Steel Cap, 3RV, for ALCO Locomotives)	71	I	DIR/MP-ENG
115.	Ring set, Piston Engine for EMD Locomotives	72	I	DIR/MP-ENG
116.	Ring, pack, 3 RV, for ALCO Locomotives	72	I	DIR/MP-ENG
117.	Ring, pack, Piston (FE type with Moly Coated Top Ring) for ALCO Locomotives	72	I	DIR/MP-ENG
Motive Power- Engine System Items				
118.	Plate type lube oil cooler for ALCO locomotives	72	I	Dir /MP-ES &BK
119.	Filter Air Dryer & MR, for ALCO & EMD Locomotives	72		
	(A) Filter Air Dryer & MR, for ALCo locomotives	72	I	Dir /MP-SC
	(B) Filter Air Dryer & MR, for EMD locomotives	72	I	Dir /MP-SC
120.	Filter Dyna Cell, for EMD Locomotives	73	I	Dir /MP-SC
121.	Filter elements, Brake Panel, for EMD Locomotives	73	I	Dir /MP-SC
122.	Filter elements, Fibre Glass, ECC, for EMD Locomotives	73	I	Dir /MP-SC
123.	Low Mean Pore Size Primary & Secondary Fuel Oil Filter Elements for Diesel Electric Locomotives	73	I	Dir /MP-SC
124.	10" x 30" Long Life Lube Oil and Fuel Oil Filter Elements (Two Piece) for EMD Locomotives	74	I	Dir /MP-SC
125.	Long Life Lubricating Oil Filter Element for Locomotive Diesel Engines	74	I	Dir /MP-SC
126.	Filter elements, Pre-cleaner, for ALCO & EMD Locomotives-(A) Engine Inertial Primary Filter for ALCo Locomotives, (B) Inertial Filter Assembly for EMD Locomotives (C) Carbody Filter for ALCo Locomotives	74		
	(A) Engine Inertial Primary Filter for ALCo locomotives	74	I	Dir /MP-SC
	(B) Inertial Filter Assembly for EMD locomotives	74	I	Dir /MP-SC
	(C) Carbody Filter for ALCo locomotives	74	I	Dir /MP-SC
127.	Filter elements, Secondary Engine Air Filters, for ALCO & EMD Locomotives	75		
	(A) Element Filter for EMD locomotives	75	I	Dir /MP-SC
	(B) Glass Fibre Bag Filter for ALCo locomotives	75	I	Dir /MP-SC
	(C) Glass Fibre Secondary Engine Air Filter for ALCo locomotives (Deep Design)	75	I	Dir /MP-SC
	(D) Glass Fibre Secondary Engine Air Filter for ALCo locomotives	75	I	Dir /MP-SC
128.	Disposable car body filters with built-in louvers and casing	75		
	(A) For WDG3A, WDM3B, WDM3D and WDM3A locos (RDSO Drg. No. SKDP-4109, Alt -1, SKDP-4110, Alt-1)	75	II	Dir /MP-SC
	(B) For WDM2 locos (RDSO Drg. No. SKDP-4111, Alt -1, SKDP- 4112, Alt -1,)	75	II	Dir /MP-SC
129.	Soak Back Lube Oil Filter for EMD Locomotives	76	I	Dir /MP-SC
130.	Spin-on Fuel Filter for EMD Locomotives	76	I	Dir /MP-SC
131.	Spin-on Turbocharger Lube Oil Filter for EMD Locomotives	76	I	Dir /MP-SC
132.	Filter elements, Suction Strainer, for EMD Locomotives	76	I	Dir /MP-SC
133.	Filter Housing, Secondary Engine Air Filters, for ALCO & EMD Locomotives	76		

	(A) Filter Housing, Secondary Engine Air Filters, for ALCO Locomotives	76	I	Dir /MP-SC
	(B) Filter Housing, Secondary Engine Air Filters, for EMD Locomotives	76	I	Dir /MP-SC
134.	Filter Paper Media for 10" x 30" Long Life Lube Oil and Fuel Oil Filter Elements (Two Piece) for EMD Locomotives	77	I	Dir /MP-SC
135.	Filter Paper Media for Long Life Lubricating Oil Filter Element for Locomotive Diesel Engines	77	I	Dir /MP-SC
136.	Filter, compressor Oil spin on, for EMD locomotives	77	I	Dir /MP-SC
137.	Filter, Self cleaning Automatic, Lube oil, for ALCO Locomotives	78	I	Dir /MP-SC
138.	Gauge, Differential Pressure, Lube Oil Filter, for ALCO Locomotives (conventional & self-cleaning automatic)	78	I	Dir /MP-SC
139.	Mechanical unit Injector Assembly for EMD Locomotives	78	I	Dir /MP-ES&BK
140.	Mechanically Bonded Radiator Assembly for EMD Locomotives	78	I	Dir /MP-ES&BK
141.	Turbocharger 3100, 3300 and 3600 h.p. for ALCO Locomotives	78	I	Dir /MP-ES&BK
Motive Power - Electrical Machines (DEMU Items)				
142.	Alternator Traction & its sub-assemblies for DEMU	79	I	Dir/MP-EM
143.	Bearings, Traction Motor & Alternator for DEMU	79	I	Dir/MP-EM
144.	Filters, All types for DEMU	79	I	JD/MP-HYD
145.	Holders Brush for DEMU	79	I	Dir/MP-EM
146.	Machines Auxiliary & its sub-assemblies for DEMU	79	I	Dir/MP-EM
147.	Motor Complete, DC Traction for DEMU with following sub-assemblies:A. Armature, B. Commutator, C. Commutating field coils assembly, D. Main field coils assembly, E. Magnet frame (machined)	80	I	Dir/MP-EM
148.	Motor Armature, DC Traction for DEMU	80	I	Dir/MP-EM
149.	Motor Commutator, DC Traction for DEMU	80	I	Dir/MP-EM
150.	Motor Commutating Field Coils assembly, DC Traction for DEMU	80	I	Dir/MP-EM
151.	Motor Main Field Coils assembly, DC traction for DEMU	80	I	Dir/MP-EM
152.	Motor Magnet Frame (machined), DC Traction for DEMU	80	I	Dir/MP-EM
153.	Rectifier & its sub-assemblies for DEMU	81	I	Dir/MP-EM
154.	Traction Gears, Case hardened	81	I	Dir/MP-EM
155.	Traction Pinions, Case hardened for DEMU	81	I	Dir/MP-EM
Motive Power - Electrical Machines (EMD Locomotive Items)				
156.	Alternator-Rectifier Traction, for EMD Locomotives	81	I	Dir/MP-EM
157.	Bearing suspension, Drive End of Traction Motor for EMD locomotives	82	I	Dir/MP-EM
158.	Bearing suspension, Non-Drive End of Traction Motor for EMD locomotives	82	I	Dir/MP-EM
159.	Bearings, Traction Motor- TM Drive end & TM Non-drive end for EMD Locomotives	82	I	Dir/MP-EM
160.	Bearings, Traction alternator for EMD locomotives	82	I	Dir/MP-EM
161.	Blower of Traction motor for EMD locomotives	82	I	Dir/MP-EM
162.	Dynamic Brake Hatch assembly (Complete assembly including grid, motor & fan) for EMD locomotives	83	I	Dir/MP-EM
163.	Dynamic Braking fan assembly for EMD locomotives	83	I	Dir/MP-EM
164.	Dynamic Braking Grid, (i) Fan tap & (ii) Non Fan tap for EMD Locomotives	83	I	Dir/MP-EM
165.	Fan assembly, Cooling for EMD Locomotives	84	I	Dir/MP-EM
166.	Generator Auxillary for EMD Locomotives	84	I	Dir/MP-EM
167.	64 Volt, DC Cranking Motor (Locomotive application)	84	I	Dir/MP-EM
168.	3-phase induction motors for 4500 hp,AC- DC WDG4 & WDP4B diesel electric Locomotives	84	I	Dir/MP-EM
169.	Axle gear steel (carburizing type)	85	I	Dir/MP-EM
170.	Pinion gear steel (43 B 17)		I	Dir/MP-EM
171.	Tube Suspension: Housing bearing kit (consisting 11 items) for EMD Locomotives	86	I	Dir/MP-EM
172.	Tube Suspension: Housing bearing kit (consisting 4 items) for EMD Locomotives	86	I	Dir/MP-EM
Motive Power - Electrical Machines (BG ALCo Locomotive Items)				
173.	Alternator, Traction & sub-assemblies for ALCo locomotives	86	I	Dir/MP-EM
174.	Auxiliary machines & sub-assemblies for ALCo locomotives	86	I	Dir/MP-EM
175.	Arm Insulating for brush holder	86	I	Dir/MP-EM
176.	Bearings, roller type of Traction motor for ALCo locomotives, NH320 rivetless - Commutator end; NU330 rivetless - Pinion end & Alternator / Generator bearings)	87	I	Dir/MP-EM

वैण्डर डायरेक्टरी –क्यूएम –एम-7.1-1 <i>Vendor Directory – QM-M-7.1-1</i>	वैधता– 01 जनवरी 2015 से 30 जून 2015 तक <i>Validity – 01.01.2015 to 30.06.2015</i>	पृष्ठ सं० 13 / 218 <i>Page 13 of 218</i>
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177.	Bearings, Suspension, Traction Motor for ALCo locomotives (Roller type)-	87	I	Dir/MP-EM
178.	Bearings for Traction motor, ALCo Locomotives- (NU328 & NH 318 rivetless)	87	I	Dir/MP-EM
179.	Bellows- (Leather), TM for ALCo Locomotives-	87	I	Dir/MP-EM
180.	Traction motor Bellows (moulded rubber type without fabric)Used on broad gauge diesel-electric Locomotives	87	I	Dir/MP-EM
181.	Cables, Fluoro elastomeric	88	I	Dir/MP-EM
182.	Carbon blocks	88	I	Dir/MP-EM
183.	Kapton covered copper conductor for traction machines	88	I	Dir/MP-EM
184.	Film Polyimide (Kapton / Apical film or equivalent)	88	I	Dir/MP-EM
185.	Glass tape, Silicon elastomer	88	I	Dir/MP-EM
186.	Brush holders used on traction machines of diesel electric locomotive	89	I	Dir/MP-EM
187.	Insulating kit for class 200 insulation scheme materials For DC traction motors used on BGDE locomotives	89	I	Dir/MP-EM
188.	Motor Complete, DC Traction for ALCo Locomotives with following Sub-assemblies: A. Armature, B. Commutator, C. Commutating field coils assembly, D. Main field coils assembly, E. Magnet frame (machined)	89	I	Dir/MP-EM
189.	Motor Armature, DC Traction for ALCo	90	I	Dir/MP-EM
190.	Motor Commutator, DC Traction for ALCo	90	I	Dir/MP-EM
191.	Motor Commutating Field Coils assembly, DC Traction for ALCo	90	I	Dir/MP-EM
192.	Motor Main Field Coils assembly, DC traction for ALCo	90	I	Dir/MP-EM
193.	Motor Magnet Frame (machined), DC Traction for ALCo	90	I	Dir/MP-EM
194.	Paper Nomex, Untreated of all grades	90	I	Dir/MP-EM
195.	Alternator mounted rectifier assembly for AC/DC diesel-electric locomotives	91	I	Dir/MP-EM
196.	Resins & varnishes for traction machines used on Diesel electric locomotives	91	I	Dir/MP-EM
197.	Seal, Gear Case TPU (for BHEL Traction Motors 165, 165M, 4906, 4907 & 5002, GE-752, CGL C1001 & 7362 for ALCo Locomotives	91	I	Dir/MP-EM
198.	Cleaning solvent for electrical rotating machines of diesel electric locomotives	91	I	Dir/MP-EM
199.	Tape, Kapton adhesive	91	I	Dir/MP-EM
200.	Class 200 resin-preimpregnated semi-cured unidirectional Polyglass banding tapes Used on traction machines (TG/TM/AG) of diesel electric Locomotives and DEMUs	91	I	Dir/MP-EM
201.	Traction Gears, (Case hardened) for ALCo Locomotives	92	I	Dir/MP-EM
202.	Traction Pinions, (Case hardened) for ALCo Locomotives	92	I	Dir/MP-EM
203.	Tubes & accessories, Suspension bearing (10 components) For TM 4907 & TM 5002 of ALCo locomotives	92	I	Dir/MP-EM
204.	Wires Lead for Brush Gear Connectors and main lead cables (outgoing) for Traction Motors	93	I	Dir/MP-EM
205.	Wires, Enameled & covered copper conductors for AGs	93	I	Dir/MP-EM
Motive Power - Electrical Machines (BG ALCO & EMD Locomotive Items)				
206.	Locomotive insulated wire – sizes AWG # 3 and smaller	93	I	Dir/MP-EM
207.	Locomotive power cable – sizes AWG # 1 and larger	93	I	Dir/MP-EM
Motive Power - Electrical Controls Items				
208.	Arc Chute - Non-Asbestos and Non-Hygroscopic, ALCo locomotives	94	I	Dir/MP-EC
209.	Battery- 6V, 150AH Ni-Cd Storage Unit	94	I	Dir/MP-EC
210.	Battery- 8 V, 500 Ah lead acid	94	I	Dir/MP-EC
211.	Battery- 8V, 450 Ah lead acid for ALCo Locomotives	95	I	Dir/MP-EC
212.	Classification Light LED type for EMD Locomotives	95	I	Dir/MP-EC
213.	Contactors- Electro pneumatic & Electromagnetic for ALCo Locomotives	95	I	Dir/MP-EC
	(A) Electro pneumatic (motor contactors) & Electromagnetic contactors (including FP/GF/RF/FS/CKC/CK contactors) & Power Brake switches (6M BKT & Reverser)	95	I	Dir/MP-EC
	(B1) Electro pneumatic contactor and Power Brake Switches (6 M BKT and Reverser)	96	I	Dir/MP-EC
	(B2) Electro magnetic Contactors ((including FP/GF/RF/FS/CKC/ CK contactors)	96	I	Dir/MP-EC
214.	Control System Locomotive, Microprocessor Based for ALCO Locomotives	97	I	Dir/MP-EC
215.	Control System, AC-AC Traction for 4500HP for EMD Locomotives & its	97	I	Dir/MP-EC

	Sub-assemblies			
216.	Converter, Traction control, IGBT-based for 4000HP EMD Locomotives & its Sub-assemblies	97	I	Dir/MP-EC
217.	Event Recorder, Micro Controller based for EMD Locomotive	97	I	Dir/MP-EC
218.	Flasher Light Halogen Bulb type for EMD Locomotives	97	I	Dir/MP-EC
219.	Flasher Light LED type for ALCo Locomotives	98	I	Dir/MP-EC
220.	Governor/LCC Engine for DEMU	98	I	Dir/MP-EC
221.	Governors Engine (WW) - Alco and EMD Engine	98		
	(A1) Governors complete (WW) for ALCO locomotives- for 6 cylinder engine	98	I	Dir/MP-EC
	(A2) Governors complete (WW) for ALCO locomotives- for 16 cylinder engine	98	I	Dir/MP-EC
	(A3) Governors complete (WW) for ALCO locomotives- for 16 cylinder engine-3100hp engine ALCo Locomotive	98	I	Dir/MP-EC
	(B1) Governors complete (WW) for EMD Locomotives- for 16 cylinder 4000 HP GM Locomotives	98	I	Dir/MP-EC
	(B2) Governors complete (WW) for EMD Locomotives- for 16 cylinder 4500 HP GM locomotives	98	I	Dir/MP-EC
222.	Governor MCBG–Micro Controller Based Governor for ALCo/DLW/ DMW	99		
	(A) Governor MCBG – Micro controller based governor for ALCo/DLW/DMW 16 cylinder 251 series Diesel / Electric Locomotives	99	I	Dir/MP-EC
	(B) Governor MCBG – Micro controller based governor for ALCo/DLW/DMW 6 cylinder 251 series Diesel / Electric Locomotives-	99	I	Dir/MP-EC
223.	Head Light for EMD Locomotives	99	I	Dir/MP-EC
224.	Head Light (EMD type) 1000W DC-DC Converter for Diesel Electric Locomotives	99	I	Dir/MP-EC
225.	Head light, Assembly complete (500 W DC-DC Converter and Twin Beam Head Light assembly) for ALCo locomotives	99		
	(A) Head light assembly (Twin Beam)	99	I	Dir/MP-EC
	(B) 500 W DC-DC converter for Twin-beam headlight	99	I	Dir/MP-EC
226.	Low Idling Equipment, Intelligent for ALCO Locomotives	100	II	Dir/MP-EC
227.	Marker light LED Type for ALCo Locomotives	100	I	Dir/MP-EC
228.	Master controller Conventional stick type for ALCo Locomotives	100	I	Dir/MP-EC
229.	Master Controller Improved stick type for ALCo Locomotives	100	I	Dir/MP-EC
230.	Master Controller of EMD locomotive	100	I	Dir/MP-EC
231.	System, Auto Engine Start Stop for Non-microprocessor Locomotives	100	I	Dir/MP-EC
232.	Relay- General Purpose	101	I	Dir/MP-EC
233.	Sensor, Fuel Level	101	II	Dir/MP-EC
234.	Speed recorder-indicator, Micro Controller Based for ALCo Locomotives	101	I	Dir/MP-EC
235.	Distributed Power Control System for HHP Locomotives	101	II	Dir/MP-EC
236.	Distributed Power Control System for Alco Locomotives	101	II	Dir/MP-EC
237.	Automatic Control of Engine Stop with Auxiliary Power Unit-ACES with APU for EMD Locomotives	101	I	Dir/MP-EC
238.	Automatic Control of Engine Stop with Auxiliary Power Unit-ACES with APU for Alco Locomotives	101	I	Dir/MP-EC
239.	Remote Monitoring and Management of Locomotive and Trains	101	II	Dir/MP-EC
Motive Power – Brake Items				
240.	Air Dryer, ALCO, EMD & Electric Locomotives and EMU/DMU/MEMUs	102	I	Dy.Dir/MP-BK
241.	Gauge Complex with Air Flow Indicator, HHP Locomotives		II	Dy.Dir/MP-BK
242.	'L' Type Composition Brake Block, ALCO & Electric Locomotives		II	Dy.Dir/MP-BK
243.	High Friction Composition Brake Block, EMD locomotives		II	Dy.Dir/MP-BK
244.	Brake equipments, ALCO & Electric Locomotives	103		
	(A) Brake equipments, ALCO & Electric Locomotives	103	II	Dy.Dir/MP-BK
	(B) Brake equipments, ALCO & Electric Locomotives	103	II	Dy.Dir/MP-BK
245.	(A) Microprocessor controlled Air Brake System	103	II	Dy.Dir/MP-BK
	(B) Modular Microprocessor controlled Air Brake System with advanced features	103		Dy.Dir/MP-BK
246.	Compact (Tri-plate) type IRAB-1 pure air brake and 28 LAV-1 dual brake panel for diesel Locomotives	104	II	Dy.Dir/MP-BK
247.	Air Compressor (Enhanced reliability and M-24 schedule), ALCO	104	I	Dy.Dir/MP-BK

	Locomotives			
248.	Water cooled Air Compressor for WDG4 / WDP4 Diesel Locomotives	104	I	Dy.Dir/MP-BK
249.	Diaphragms VA1B valve, ALCO Locomotives	104	I	Dy.Dir/MP-BK
250.	Rubber components, Air brake, ALCO Locomotives	105	I	Dy.Dir/MP-BK
251.	Modified hand brake assembly	106		Dy.Dir/MP-BK
252.	Spares for compressor / expressor, ALCO Locomotives	106		Dy.Dir/MP-BK
	A. Spares for compressor / expressor, ALCO Locomotives	106	I	Dy.Dir/MP-BK
	B. Spares for compressor / expressor, ALCO Locomotives	106	I	Dy.Dir/MP-BK
	C. Spares for compressor / expressor, ALCO Locomotives	106	I	Dy.Dir/MP-BK
	D. Oil seal (Expressor)	106	I	Dy.Dir/MP-BK
	E. Piston -Diameter 197 mm	107	I	Dy.Dir/MP-BK
253.	Spares Upgraded for Compressor/Expressor, ALCO Locomotives.		I	Dy.Dir/MP-BK
254.	Air Flow Measuring Valve and Air Flow Indicator, ALCO & Electric Locomotives		II	Dy.Dir/MP-BK
255.	Air flow Indicator for microprocessor controlled brake on ALCo locomotives	108	II	Dy.Dir/MP-BK
256.	Auto drain Valve, ALCO, EMD and Electric Locomotives	108	II	Dy.Dir/MP-BK
257.	Feed Valve, ALCo, EMD & Electric locomotives	108	II	Dy.Dir/MP-BK
258.	Vigilance Control Device Stand Alone For Diesel Locomotives	108	I	Dy.Dir/MP-BK
Motive Power – Bogie Items				
259.	Bearing Adapter with Journal Bearing Assembly (without bushing traction rod) for EMD Locomotives	108	I	JD/MP-VDG&LD
260.	Bogie Frame & Bolster Assembly, Fabricated for Locomotive	109	II	JD/MP-VDG&LD
261.	Bushing Motor Nose Link for EMD Locomotives	109	I	JD/MP-VDG&LD
262.	Bushing Rubber for EMD Locomotives	109	I	JD/MP-VDG&LD
263.	Bushing Traction Rod for EMD locomotives	109	I	JD/MP-VDG&LD
264.	Centre Pivot Block Assembly	110	II	JD/MP-VDG&LD
265.	Damper Hydraulic Vertical & Lateral: A) Hydraulic dampers, B) WDM3D with Equaliser-less Bogie	110	II	JD/MP-VDG&LD
266.	Damper Primary Vertical for HHP Locomotives	110	I	JD/MP-VDG&LD
267.	Damper Secondary Yaw for HHP Locomotives	111	I	JD/MP-VDG&LD
268.	Equaliser beams, Compensating beams and Links of Locomotive high adhesion bogies & Equaliser beams (long & short) of locomotive Trimount Bogies	111	II	JD/MP-VDG&LD
269.	Journal Axle Box Assembly with CRU Bearing	111	I	JD/MP-VDG&LD
270.	Journal Axle Box Assembly with normal and Step Size Roller Bearing	111	I	JD/MP-VDG&LD
271.	Liner, Centre Pivot, for Locomotives	112	II	JD/MP-VDG&LD
272.	Spring – Single Coil for EMD Locomotives	112	II	JD/MP-VDG&LD
273.	Spring Rubber Assembly – A & B, WDP4 Locomotives	112	II	JD/MP-VDG&LD
274.	Spring Rubber Assembly, WDG4 Locomotives	112	II	JD/MP-VDG&LD
275.	Spring Pads (Happy Pad), Thermoplastic Polyurethane for Locomotives	113	II	JD/MP-VDG&LD
276.	Truck Frame Assembly for EMD Locomotives	113	II	JD/MP-VDG&LD
277.	Wear Half Cylinder- for EMD Locomotives	113	I	JD/MP-VDG&LD
Motive Power –Underframe Items				
278.	Buffer Assembly, Side, High capacity, Long life	113	II	JD/MP-VDG&LD
279.	Coupler Assembly, H-type Tight lock for ALCo/Electric/HHP Passenger Locomotives	114	II	JD/MP-VDG&LD
280.	Coupler E-type for EMD Locomotives	114	II	JD/MP-VDG&LD
281.	Draft Gear Soft with Yoke Assembly	114	II	JD/MP-VDG&LD
282.	Draft gear with Yoke assembly for EMD Locomotives	114	II	JD/MP-VDG&LD
283.	Spring Pads Assembly, Side Buffer, Long life	115	II	JD/MP-VDG&LD
284.	Spring Rubber, Buffer	115	II	JD/MP-VDG&LD
M&C Directorate Controlled Items				
Welding Consumables items				
285.	Manual Metal Arc Welding Electrodes, Class A1	116	I	DD/Weld/M&C
286.	Manual Metal Arc Welding Electrodes, Class A2	116	I	DD/Weld/M&C
287.	Manual Metal Arc Welding Electrodes, Class A3	117	I	DD/Weld/M&C
288.	Manual Metal Arc Welding Electrodes, Class A4	117	I	DD/Weld/M&C
289.	Manual Metal Arc Welding Electrodes, Class B1	118	I	DD/Weld/M&C
290.	Manual Metal Arc Welding Electrodes, Class B2	119	I	DD/Weld/M&C
291.	Manual Metal Arc Welding Electrodes, Class B3	120	I	DD/Weld/M&C

292.	Manual Metal Arc Welding Electrodes, Class B4	120	I	DD/Weld/M&C
293.	Manual Metal Arc Welding Electrodes, Class C1	120	I	DD/Weld/M&C
294.	Manual Metal Arc Welding Electrodes, Class C2	120	I	DD/Weld/M&C
295.	Manual Metal Arc Welding Electrodes, Class D	120	I	DD/Weld/M&C
296.	Manual Metal Arc Welding Electrodes, Class E1	121	I	DD/Weld/M&C
297.	Manual Metal Arc Welding Electrodes, Class E2	121	I	DD/Weld/M&C
298.	Manual Metal Arc Welding Electrodes, Class F	122	I	DD/Weld/M&C
299.	Manual Metal Arc Welding Electrodes, Class G	122	I	DD/Weld/M&C
300.	Manual Metal Arc Welding Electrodes, Class H4A	122	I	DD/Weld/M&C
301.	Manual Metal Arc Welding Electrodes, Class H4B	122	I	DD/Weld/M&C
302.	Manual Metal Arc Welding Electrodes, Class K	122	I	DD/Weld/M&C
303.	Manual Metal Arc Welding Electrodes, Class L	123	I	DD/Weld/M&C
304.	Manual Metal Arc Welding Electrodes, Class M1	123	I	DD/Weld/M&C
305.	Manual Metal Arc Welding Electrodes, Class M2	123	I	DD/Weld/M&C
306.	Manual Metal Arc Welding Electrodes, Class M3	124	I	DD/Weld/M&C
307.	Manual Metal Arc Welding Electrodes, Class M4	124	I	DD/Weld/M&C
308.	Manual Metal Arc Welding Electrodes, Class M5	125	I	DD/Weld/M&C
309.	Manual Metal Arc Welding Electrodes, Class M6	126	I	DD/Weld/M&C
310.	Manual Metal Arc Welding Electrodes, Class N1	126	I	DD/Weld/M&C
311.	Manual Metal Arc Welding Electrodes, Class N2	127	I	DD/Weld/M&C
312.	Solid MIG/MAG Welding Filler Wire, Class I	127	I	DD/Weld/M&C
313.	Solid MIG/MAG Welding Filler Wire, Class III	128	I	DD/Weld/M&C
314.	Solid MIG/MAG Welding Filler Wire, Class VI	128	I	DD/Weld/M&C
315.	Solid MIG/MAG Welding Filler Wire, Class VII	129	I	DD/Weld/M&C
316.	Flux cored MIG/MAG Welding Filler Wire with shielded gas, Cl. I	129	I	DD/Weld/M&C
317.	Flux cored MIG/MAG Welding Filler Wire with shielded gas, Cl. III	129	I	DD/Weld/M&C
318.	Flux cored MIG/MAG Welding Filler Wire with shielded gas, Cl. IV	130	I	DD/Weld/M&C
319.	Flux cored MIG/MAG Welding Filler Wire with shielded gas, Cl. VI	130	I	DD/Weld/M&C
320.	Flux cored MIG/MAG Welding Filler Wire with shielded gas, Cl. VII	130	I	DD/Weld/M&C
321.	Wire for Submerged Arc Welding Class W-1	130	I	DD/Weld/M&C
322.	Wire for Submerged Arc Welding Class W-2	131	I	DD/Weld/M&C
323.	Wire for Submerged Arc Welding Class W-4	131	I	DD/Weld/M&C
324.	Flux for Submerged Arc Welding Class F-1	131	I	DD/Weld/M&C
325.	Flux for Submerged Arc Welding Class F-2	131	I	DD/Weld/M&C
326.	Flux for Submerged Arc Welding Class F-4	132	I	DD/Weld/M&C
NDT items				
327.	Portable Digital Ultrasonic Flaw Detectorwith A-Scan Storage	132	II	DD/NDT/M&C
328.	Digital Ultrasonic Testingequipment for weldedrail jointwith LCD Screen, Trignomatrical function and A-Scan storage alongwith data setup.	132	II	DD/NDT/M&C
329.	Digital Ultrasonic Single Rail Tester with coloured signals and A- Scan logging alongwith data setup .	132	II	DD/NDT/M&C
330.	Digital Ultrasonic Double Rail Tester with coloured signals and A- Scan logging alongwith data setup .	133	II	DD/NDT/M&C
Paints items				
331.	R/M Paint Red Oxide (ISC-446), brushing, finishing, glossy	133	I	DD/Paint/M&C
332.	R/M paint synthetic for the system of interior painting of coaches.	133	I	DD/Paint/M&C
333.	R/M paint synthetic for the system of exterior painting of coaches	134	I	DD/Paint/M&C
334.	Epoxy Cum Polyurethane Painting system (Two Pack) for the Exterior Painting of Railway Coaches, Diesel and Electric Locomotives and other Industrial Applications	135	I	DD/Paint/M&C
335.	Paints based on epoxy and polyurethane resin for exterior painting of wagons	135	I	DD/Paint/M&C
336.	High Performance Anticorrosion Epoxy Coating (Two Pack)	136	I	DD/Paint/M&C
337.	Enamel, Interior (a) Undercoating (b) Finishing with Fire Retardent Properties		I	DD/Paint/M&C
Tribology items				
338.	Lubricants for Machinery & plant	136		
	(I) Internal Combustion Engine Crankcase Oils to IS:13656-2002 Type EPL-2 (API-SF) Automotive Petrol Engines- Gr.20W/40	137	I	DD/Lub & Tribo/M&C
	(II) Internal Combustion Engine Crankcase Oils for Diesel Engines of Rajdhani/Shatabdi Power Cars- PL No.80.01.0246 to IS:13656-2002.Type EDL-3-	137	I	DD/Lub & Tribo/M&C

	(III) Internal Combustion Engine Crankcase Oils to IS: 13656-2002 Type EDL-2 (API-CD, with Mak T-7 Test) Diesel Engines- Gr.SAE-40	137	I	DD/Lub & Tribo/M&C
	(IV) Gear Lubricant, Multipurpose (Extreme Pressure Gear oil) to IS:1118-92/Reaffirmed-2006, (API-GL4 with 4-ball rig test only)- Grades SAE-90, SAE-140	138	I	DD/Lub & Tribo/M&C
	(V) Gear Lubricant to IS: 8406-93/Reaffirmed-2006, (EP Type with Demulsibility & 4 ball test and min. pass load of 12th stage in FZG Niemann Test)- Gr. VG-68, VG-220	138	I	DD/Lub & Tribo/M&C
	(VI) Oil Hydraulic to IS:10522-83/ Reaffirmed 2004 (Antiwear) with Aniline point 90°C,Min. in place of seal compatibility test and min. pass load of 9th stage in FZG Niemann Test)- Gr. VG-32, VG-46, VG-68, VG-150	138	I	DD/Lub & Tribo/M&C
	(VII) Antiwear Hydraulic Oil Extra Heavy Duty to IS:11656-1986/Reaffirmed 2002 (With Aniline Point 90°C, min. for all grades in place of seal compatibility test and NAS Value below 8)- Gr.VG-32, VG-68	139	I	DD/Lub & Tribo/M&C
	(VIII) Oil – Spindle to IS :493 – 1981/Reaffirmed 2004 (Part-II) - GR. VG-10	140	I	DD/Lub & Tribo/M&C
	(IX) Oil Machinery/General Purpose Machinery Oil to IS:493-81 (Part I) / Reaffirmed2004 (With Rust Preventive characteristics test, as per IS:1448-P-96, Method A)- Gr. VG-32, VG-46, VG-68, VG-100, VG-150, VG-220, VG-320	140	I	DD/Lub & Tribo/M&C
	(X) Oil, Cylinder, Pure Mineral to IS:1589-94/Reaffirmed-2006- Gr.VG-680 Type– I	142	I	DD/Lub & Tribo/M&C
	(XI) Oil, Cutting Soluble to IS:1115-1986/Reaffirmed-2002, with Bactericide Test-	142	I	DD/Lub & Tribo/M&C
	(XII) Oil, Cutting (Neat) to IS:3065-1985/Reaffirmed-2002, Type-2, Gr.III	143	I	DD/Lub & Tribo/M&C
	(XIII) Quenching Oil to IS: 2664-1980/Reaffirmed 2004 for Quenching Operation of Metals:	143	I	DD/Lub & Tribo/M&C
	A. Mineral Type Grade: Medium with GM Magnetic Quenchometer Value of 28 Secs. Max.	143	I	DD/Lub & Tribo/M&C
	B. Compound Type with GM Magnetic Quenchometer Value of 25 seconds Max.	143	I	DD/Lub & Tribo/M&C
	C. Additive Type with G.M. Magnetic Quenchometer Value of 21 seconds max.	144	I	DD/Lub & Tribo/M&C
	(XIV) Turbine Oil to IS: 1012-2002/Reaffirmed 2005 with a min. value of 400 minutes in Rotating Bomb Oxidation Test to ASTM D2272- Gr. VG-32, VG-46, Non-ISO-VG (Non ISO VG Viscosity of this grade is 76 CST ± 10% at 400 C. All other properties shall be as per VG-68 grade.)	144	I	DD/Lub & Tribo/M&C
	(XV) Oil Refrigeration Machinery to IS: 4578-1997/Reaffirmed 2004- Grade VG-68	144	I	DD/Lub & Tribo/M&C
	(XVI) Pneumatic Tool Oils to RDSO Specification No. M&C/Lub/101/2001 Reaffirmed 2013- Gr. VG-100, VG-220	145	I	DD/Lub & Tribo/M&C
	(XVII) Machine Tool Way Oil to RDSO Specification No.M&C/Lub/102 /2001Reaffirmed 2013- Gr. VG –32, VG –68, VG –220	145	I	DD/Lub & Tribo/M&C
339.	General Purpose Grease for M&P Application	146	I	DD/Weld/M&C
340.	Graphited Grease No. '0'	146	I	DD/Weld/M&C

LIST OF APPROVED VENDORS

FOR

MANUFACTURE & SUPPLY OF

MECHANICAL ITEMS

(CARRIAGE, WAGON, LOCOMOTIVE & M&C)

QA(Mech.) Directorate Controlled Items

Details of approved firms appear in the following format

S.No.	Name of the firm & address	Vendor Product Code	Annual Production Capacity
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1. **Graduated release compressed air brake equipment for Freight Stock** (Specification No.- 02-ABR-02 with 3 Amendments (Amend. No. 1 of Feb'07, Amend. No. 2 of Jan'10 & Amend. no. 3 of April'10)

	Components	Specification No.	Drawing No.
i)	Distributor Valve	02-ABR-02 with Amend. No. 2 and Appendix-A1 & A2	Proprietary item
ii)	Common pipe bracket with control reservoir	02-ABR-02 with Amend. No. 2 and Appendix-A1	WD-7951-S-10 Alt. 3
iii)	Load Sensing Device	02-ABR-02 with Appendix-P	WD-01065-S-01 Alt. Nil (or) Alternative design approved by RDSO
iv)	Brake Cylinder (355 mm)	02-ABR-02 with Appendix-B	WD-92051-S-06 Alt. 5
v)	Brake Cylinder (300mm)	02-ABR-02 with Appendix-B	WD-92051-S-11 Alt. 3
vi)	Auxiliary Reservoir 100 lit.	02-ABR-02 with Appendix-C	WD-92051-S-01 Alt. 3
vii)	Auxiliary Reservoir 75 lit.	02-ABR-02 with Appendix-C	WD-92051-S-02 Alt. 2
viii)	Cut off Angle Cock with vent	02-ABR-02 with Amend. No. 3 and Appendix-D	WD-88123-S-01 Alt.2
ix)	Dirt Collector Assembly	02-ABR-02 with Appendix-E	WD-92051-S-03 Alt.4
x)	Air Brake Hose coupling for Brake Pipe & Feed Pipe	02-ABR-02 with Amend. No. 1 and Appendix-F	SK-73547 Alt.12 , WD-81027-S-01 Alt.10
xi)	Guard Emergency Brake Valve	02-ABR-02 with Appendix-G	SK-73549 Alt. 5
xii)	Isolating Cock	02-ABR-02 Appendix-I	WD-83062-S-04 Alt.02
xiii)	Pipes & Joints for air brake system	04-ABR-2002 with 6 Amendments (Amend. No. 6 issued on Apr'10)	WD-83062-S-6 Alt. 3 & WD-83062-S-7, Alt.05 WD-94056-S-1 Alt.Nil

Part I

1.	Escorts Limited (Railway Equipment Division), Plot No. 115, Sector 24, Faridabad-121005 (Haryana).	E	9,120
2.	Faiveley Transport Rail Technologies India Limited, Plot No. 3A, Apparel Park Cum Industrial Area, Kattha Bhatoli-Baddi-173205. Dist. Solan, Himachal Pradesh. Additional Works at : P.B. No. 39, Harita, Hosur-635109 (Tamilnadu).	FTRTIL	3,100
3.	Greysham International Pvt. Ltd., H-42, Sector 63, Noida (U.P.)-201301 (Not approved for item no. iii)	GIPL	3,000
4.	Knorr-Bremse India Pvt. Ltd., 51/1, Km Stone, Village & PO- Baghola, Delhi-Mathura Road (NH-2), Palwal-121102, Haryana	K	8,400
5.	Stone India Limited, 16, Taratalla Road, Kolkata-700 088. Additional Unit at: 182, Guru Majra, Baddi, Tehsil- Nalagarh, Distt.- Solan, (HP)-17410. (For supply of complete assembly and In-house manufactured Distributor Valve for Freight stock only)	SIL	1,800 4,800

Part II – Nil

2. **Graduated release compressed air brake equipment for coaching Stock** (Specification No.- 02-ABR-02 with 3 Amendments (Amend. No. 1 of Feb'07, Amend. No. 2 of Jan'10 & Amend. no. 3 of April'10)

	Components	Specification No.	Drawing No.
i)	Distributor Valve	02-ABR-02 with Amend. No. 02 and Appendix-A1 & A2	Proprietary Item
ii)	Brake cylinder 355mm	02-ABR-02 with Appendix-B	SK-97015 Alt -Nil
iii)	Auxiliary Reservoir 200 lit	02-ABR-02 with Appendix-C	SK-96081 Alt-5
iv)	Cut off Angle Cock with vent	02-ABR-02 with Amnd. No. 3 and	WD-88123-S-01 Alt.2

		Appendix-D	
v)	Two way Dirt Collector (for Branch Pipe)	02-ABR-02 with Appendix-E	SK-97005 Alt -02
vi)	Air Brake Hose coupling for Brake Pipe & Feed Pipe	02-ABR-02 with Amend. No. 01 and Appendix-F	SK-73547 Alt.12, WD-81027-S-01 Alt.10
vii)	Guard's Emergency Brake Valve	02-ABR-02 with Appendix-G	SK-73549 Alt.5
viii)	Isolating Cock	02-ABR-02 with Appendix-I	SK-97002 Alt -02, SK-89021, SK-98013
ix)	Check Valve Assembly	02-ABR-02 with Appendix-I	SK-98112
x)	Passenger Emergency Alarm Valve	02-ABR-02 with Appendix-J	SK-97029 Alt -03
xi)	Passenger Emergency Alarm Signal Device with fixed key arrangement	02-ABR-02 with Amend. No. 04 and Appendix-J	SK-97017 Alt -02
xii)	Pressure gauge (100 mm) for Brake Pipe & Feed Pipe	02-ABR-02 with Appendix-H	SK- 73553 Alt.4 & WD-83062-S-05 Alt.3

Part I

1.	Escorts Limited (Railway Equipment Division), Plot No. 115, Sector 24, Faridabad-121005 (Haryana).	E	9120
2.	Faiveley Transport Rail Technologies India Limited, Plot No. 3A, Apparel Park Cum Industrial Area, Kattha Bhatoli-Baddi-173205. Dist. Solan, Himachal Pradesh. Additional Works at : P.B. No. 39, Harita, Hosur-635109 (Tamilnadu).	FTRTIL	2700
3.	Knorr-Bremse India Pvt. Ltd., 51/1, Km Stone, Village & PO- Baghola, Delhi-Mathura Road (NH-2), Palwal-121102, Haryana	K	8400
4.	S.D. Technical Services P. Ltd., Plot No. 46, Sector-18, Maruti Industrial Complex, Gurgaon-122 015. (Except for item ii, iii, vi & vii).	SDTS	1200
5.	Stone India Limited, 16, Taratalla Road, Kolkata-700 088.	SIL	8000

Part II- Nil

3. Component of Graduated release compressed air brake equipments

SN	Item/ Component	Specification No.	Drawing No.
a)	Auxiliary Reservoirs for Freight & Coaching stock	02-ABR-02 with Appendix-C,	WD-92051-S-01Alt.3, WD-92051-S-02 Alt.2 & SK-96081Alt. 5
b)	Cut off Angle Cock with vent for Freight & Coaching stock	02-ABR-02 with Amnd. No. 3 and Appendix-D	WD-88123-S-01 Alt.2
c)	Dirt Collector assembly	02-ABR-02 with Appendix-E	WD-92051-S-03 Alt 04, SK-97005 S-1, S-2 Alt 02
d)	Air Brake Hose coupling for Freight & Coaching stock	02-ABR-02 with Amend. No. 01 and Appendix-F	SK-73547Alt.12 for BP, WD-81027-S-01Alt.10 for FP
e)	Guard Emergency Brake Valve	02-ABR-02 with Appendix-G	SK-73549 Alt. 5
f)	Isolating Cock	02-ABR-02 with Appendix-I	WD-83062-S-04 Alt. 2, SK-89021, SK-97002 Alt. 2, SK-98013 Alt. Nil
g)	Check Valve assembly	02-ABR-02 with Appendix-I	SK-98112 Alt. Nil, WD-83062-S-03Alt. 2
h)	Passenger Emergency Alarm Valve	02-ABR-02 with Appendix-J	SK-97029 Alt -03
i)	Passenger Emergency Alarm Signal Device	02-ABR-02 with Appendix-J	SK-97017Alt -02
j)	Pipes for Air brake system for Freight & Coaching stock	04-ABR-2002 with 6 Amendments (Last Amend. No. 6 issued on Apr'10)	WD-83062-S-06 Alt.03, WD-83062-S-07Alt.05, WD-94056-S-1
k)	Pressure gauge for air brake System of Passenger stocks & brake vans	02-ABR-02 with Amend. No. 04 of Jun'10, Appendix- O & Appendix- H	WD-92047-S-01 Alt. 03, WD-9204-S-02, SK-73553 Alt. 04, WD-83062-S-05 Alt. 3 & WD-91101-S-05 Alt. 5

a) Auxiliary Reservoirs for Freight & Coaching stock (Spec. No. 02-ABR-02 with Appendix-C)

SN	Item	Drawing No.
i)	Auxiliary Reservoirs-100 Litres	WD-92051-S-01 Alt.3
ii)	Auxiliary Reservoirs-75 Litres	WD-92051-S-02 Alt.2
iii)	Auxiliary Reservoirs-200 Litres	SK-96081 Alt.5

Part I

1.	AJ Tech Equipments Pvt. Ltd., Village & P.O. - Islampur, Ranihat, Amta Road, Howrah-711401 (Only for Drg. No. WD-92051-S-01 & SK-96081)	AJ	6,825
2.	Amar Engineers & Fabricators, Plot No. - 5, Sec-24, Faridabad-121005	AEF	2,400
3.	D.R. Steel & Industries (P) Ltd.,17/1/1,KB Sarani (Mall road), Dum-Dum, Kolkata-700 080 (W.B.) (Only for Drg. No. WD-92051-S-01)	DRS	6,825
4.	Engineers Concern, 9/A/2/2, Madhusudhan Mukherjee Road, P.O. - B.D. Sopan, Khardah, 24 Parganas (N)-700 116 (W.B.)	EC	900/1,200/1,200
5.	Kayr Enterprises, 306/1, Rai Bahadur Road, Kolkata - 700 053	KE	3,600
6.	Mazdoor welding Works, (Unit II), G 1-494, Khushkhera Industrial Area, Bhiwadi, Distt. Alwar, Rajasthan.	MWW	12,000
7.	PEW Engineering Private Limited, (Unit-II works), 40/107, Joy Bibi Road, Ghosuri, Howrah-711 107	PEW	1,560

Part II

1.	Annapurna Engineering Works, 59/18, Natabar Paul Road, Howrah-711101 (Only for Drg. No. WD-92051-S-01, SK-96081)	AE	2,730
2.	Comet Technocom (P) Ltd., Naskarpara, Kalitala, Balitikuri, Howrah- 711 113 (Only for Drg. No. WD-92051-S-01, SK-96081)	CT	1,634
3.	D.R. Steel & Industries (P) Ltd.,17/1/1, KB Sarani (Mall road), Dum-Dum,Kolkata-700 080 (W.B.) (Only for Drg. No. SK-96081)	DRS	6,825
4.	General Stores & Engineering Co. Pvt. Ltd., Shanpur, Paschim Dasnagar, Howrah- 711105 (Only for Drg. No. WD-92051-S-01, SK-96081)	GS	3,840
5.	Ramkrishna Engineering, Village & PO: New Kolorah, NH6, P S: Domjur, Howrah-711302	RE	3,600
6.	Trust Corporation, 167A, Vivekanand Road, Kolkata- 700 006.	TC	2400/2400/1200
7.	Universal Engineering Works, 8/2 Palm Avenue, Kolkata-700019	UEW	---

b) Cut off Angle Cock with vent for Freight & Coaching stock (02-ABR-02 Amend. No. 03 of April'10 and Appendix-D, Drg. No. WD-88123-S-01 Alt.2)

Part I

1.	A.J. Tech Equipment Pvt. Ltd, Village + P.O. Islampur, Ranihat, Amta Road, Howrah-711401	AJ	16380
2.	Annapurna Engineering Works, 59/18, Natabar Paul Road, Howrah-711101	AE	5460
3.	Engineering Trade Centre (I) Pvt. Ltd, 15/1, Dr. H.K. Chatterjee Street, Ghosuri, Howrah-711107	ETC	7500
4.	General Stores & Engineering Co. Pvt. Ltd., Shanpur, Paschim Dasnagar, Howrah- 711105	GS	3000
5.	Mullick & Santra Engineering, Ichapur Road, Sealdanga, Kalitala, Howrah-711 104	MS	2184
6.	Pax Engineers, Ichapur Canel Side, P.O. Santragachi, Howrah-711 104	PAX	4800
7.	PEW Engineering Private Limited,(Unit-II works), 40/107, Joy Bibi Road, Ghosuri, Howrah-711 107	PEW	3000
8.	Pole Star, 20/9/B,Raja Manindra Road, Kolkata-700 037	PLS	7416
9.	S.N. (Mechanical) Enterprise Private Limited,167/1, Shastri Narendra Nath Ganguly Road, Howrah 711104	SNE	30000
10.	Subrata Iron Foundry, Balitikuri, Surkimill, Howrah-711 113	SIF	20275

Part II

1.	Amita Engineering Works, Dharsha Panchanantala, G.I.P. Colony, Santragachi, Howrah-711112 (W.B.)	AMITA	6,000
2.	Kayr Enterprises, 306/1, Rai Bahadur Road, Kolkata-700 053	KE	5460
3.	Kolley Enterprise, (Unit-II), Vill-Nimerhati, P.O.- Makardah, P.S.—Domjur, (Domjur- Andul Road), Distt.-Howrah-711 113	KOE	6019

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4.	Krishna Engg. Works, 57/9, 'Q' Road, P.O. Netajigarh, Belgachia, Howrah-711 108	KE	3822
5.	P.S. Engineering Concern, P.O.- G.I.P. Colony, Hatpukur, Muchipara, Ramrajtala, Howrah-711112(W.B.)	PSEC	7,416
6.	Recon Engineering Co.(P) Ltd., P.O. Balitikuri, Distt. Howrah-711102	REC	9282

c) Dirt Collector assembly (Spec.No. 02-ABR-02 with Appendix-E)

SN	Item	Drawing No.
i)	Dirt Collector assembly for Freight & Coaching stock	WD-92051-S-03 Alt 04
ii)	Two Way Dirt Collector for Coaching stock	SK-97005 S-1, S-2 Alt 02

Part I

1.	AJ Tech Equipment Pvt. Ltd, Village + P.O. Islampur, Ranihati, Amta Road, Howrah-711 401	AJ	6825
2.	Annapurna Engineering Works, 59/18, Natabar Paul Road, Howrah-711 101 (Only for Drg. No. SK-97005-S-1, S-2)	AE	5460
3.	Pax Engineers, Ichapur Canel Side, P.O. Santragachi, Howrah-711 104	PAX	3000
4.	PEW Engineering Private Limited, (Unit-II works), 40/107, Joy Bibi Road, Ghusuri, Howrah-711 107	PEW	3000
5.	S.N. (Mechanical) Enterprise Private Limited,167/1, Shastri Narendra Nath Ganguly Road, Howrah 711104	SNE	3000

Part II

1.	Amita Engineering Works, Dharsha Panchanantala, G.I.P. Colony, Santragachi, Howrah-711112 (W.B.) (Only for Drg. No. SK-97005 Alt.2)	AMITA	600
2.	Annapurna Engineering Works, 59/18, Natabar Paul Road, Howrah-711101 (Only for Drg. No. WD-92051-S-03)	AE	5460
3.	Engineering Trade Centre (I) Pvt. Ltd, 15/1, Dr. H.K. Chatterjee Street, Ghusuri, Howrah-711107 (Only for Drg. No. WD-92051-S-03)	ETC	7500
4.	General Stores & Engineering Co. Pvt. Ltd., Shanpur, Paschim Dasnagar, Howrah- 711105 (for Drg. No. 97005 sheet 1&2)	GS	3000 & 9600
5.	Kayr Enterprises, 306/1, Rai Bahadur Road, Kolkata-700 053 (Only for Drg. No. WD-92051-S-03)	KE	5460
6.	Kolley Enterprise, (Unit-II), Vill-Nimerhati, P.O.- Makardah, P.S.—Domjur, (Domjur- Andul Road), Distt.-Howrah-711 113	KOE	6019
7.	Krishna Engg. Works, 57/9, 'Q' Road, P.O. Netajigarh, Belgachia, Howrah-711 108	KE	5460
8.	Mullick & Santra Engineering, Ichapur Road, Sealdanga, Kalitala, Howrah-711 104 (Only for Drg. No. WD-92051-S-03).	MS	1638
9.	P.S. Engineering Concern, P.O.- G.I.P. Colony, Hatpukur, Muchipara, Ramrajtala, Howrah-711112(W.B.) (Approved for item(ii)- 'Two Way Dirt Collector for Coaching stock' to drg. SK-97005 S-1, S-2 Alt 02 only)	PSEC	7,416
10.	Pole Star, 20/9/B,Raja Manindra Road, Kolkata-700 037	PLS	7416
11.	Recon Engineering Co. (P) Ltd., P.O. Balitikuri, Distt. Howrah-711102 (Only for Drg. No. SK-97005 Alt.2)	REC	10920
12.	Subrata Iron Foundry, Balitikuri, Surkimill, Howrah-711 113	SIF	3780

d) Air Brake Hose Coupling for Freight & Coaching stock (Spec. 02-ABR-02 Appendix-F with Amend. No. 01 of Feb'07)

SN	Item	Drawing No.
i)	Air Brake Hose coupling for Brake Pipe	SK-73547Alt.12
ii)	Air Brake Hose coupling for Feed Pipe	WD-81027-S-01Alt.10

Part I

1.	Avadh Rubber (Prop. Madras Elastomers Ltd.), Plot No 105, Sector-7, II E SIDCUL, Haridwar-249403, (Uttarakhand)	ARL	144000
2.	Bony Polymers Pvt. Ltd., Plot No. 77, Sector-6, Faridabad-121006 (Haryana)	BPL	219600
3.	FBT Private Ltd., Plot No.77, sector-6, Faridabad-121006.	FBT	90000
4.	Indorub Industries, Village-Bhora Kalan, Binola Industrial Area, 58th Mile Stone, Delhi-Jaipur Highway, Gurgaon-122413 (Haryana).	IRI	90,000

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5.	Mandeep Industries, N-35, Scooters India Ancillary Estate, Amausi Industrial Arera, Nadarganj, Lucknow-226008.	MI	144000
6.	Soni Rubber Products Ltd., Vill. - Banagram, P.O. - Rasputja, P.S. - Bishnupura, Distt. - 24 Parganas (South) , W.B.	SONI	8400
7.	Sridhar Engineering & Rubber Products Pvt. Ltd., Plot No. 87, Industrial Estate, Jawahar Autonagar, Vijayawada-520 007.	SERP	180000
8.	Super Seal Flexible Hose Ltd., B-7, Kasna-II, Surajpur-V, Greater Noida (UP)-203207	SSIL	90000
9.	The General Rubber Co.Pvt. Ltd., 14/6, Mathura Road, Faridabad (Haryana)	GRC	30000

Part II

1.	ASP Sealing Products Ltd., A-7, UPSIDC Industrial Area, Gajraula, Distt. J.P. Nagar (U.P.)	ASP	1,40,00,000 Metre
2.	A. B. Elasto Products Pvt. Ltd., BI-91, Majherpara, Krishnapur, Kolkata-700102	ABE	54,000
3.	IMT Cables Pvt. Ltd., 98-A, Sector-5, IMT Manesar, Gurgaon (Haryana)	IMT	5,64,000
4.	Lakhani Rubber Works, Plot No 262P, Sector-24, Faridabad-121 005 (Haryana)	LRW	28,800
5.	Pegasus Hose & Engineering Co., 694, Modern Industrial Estate, Phase-I, Bahadurgarh-124507 (Haryana)	PHE	90,000

e) Guard Emergency Brake Valve (Spec. No. 02-ABR-02 with Appendix-G&Drg. No. SK-73549 Alt. 5)

Part I

1.	S.N. (Mechanical) Enterprise Private Limited, 167/1, Shastri Narendra Nath Ganguly Road, Howrah 711104	SNE	2,000
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Part II

1.	Amita Engineering Works, Dharsha Panchanantala, G.I.P. Colony, Santragachi, Howrah-711112 (W.B.)	AMITA	2,400
2.	General Stores & Engineering Co. Pvt. Ltd., Shanpur, Paschim Dasnagar, Howrah- 711105	GS	3,600
3.	P.S. Engineering Concern, P.O.- G.I.P. Colony, Hatpukur, Muchipara, Ramrajtala, Howrah-711112(W.B.)	PSEC	7,416
4.	PEW Engineering Private Limited, (Unit-II works), 40/107, Joy Bibi Road, Ghosuri, Howrah-711 107(for Drg. No. SK-97018.	PEW	3,600
5.	Pole Star, 20/9/B, Raja Manindra Road, Kolkata	PLS	600
6.	Recon Engineering Co. (P) Ltd., P.O. Balitikuri, Distt.- Howrah-711102	REC	3,600
7.	Subrata Iron Foundry, Balitikuri, Surkimill, Howrah-711 113	SIF	6,000

f) Isolating Cock (Spec. No. 02-ABR-02 with Appendix-I)

SN	Item	Drawing No.
i)	Isolating cock for air brake on wagons	WD-83062-S-04 Alt. 2
ii)	Isolating cock for air brake coaches	SK-89021, SK-97002 Alt. 2, SK- 98013 Alt. Nil

Part I

1.	AJ Tech Equipments Pvt. Ltd., Village & P.O. - Islampur, Ranihat, Amta Road, Howrah-711401. (only for Drg. No. SK-97002, SK-98013)	AJ	12,000
2.	Annapurna Engineering Works, 59/18, Natabar Paul Road, Howrah-711101	AE	900
3.	Pax Engineers, Ichapur Canel Side, P.O. Santragachi, Howrah-711 104 (Only for Drg. No. SK-97002, WD-83062-S-4)	PAX	3,600
4.	PEW Engineering Private Limited, (Unit-II works), 40/107, Joy Bibi Road, Ghosuri, Howrah-711 107. (Only for Drg. No. SK-89021, SK-97002 Alt. 2, SK- 98013 Alt. Nil)	PEW	12,000
5.	S.N. (Mechanical) Enterprise Private Limited, 167/1, Shastri Narendra Nath Ganguly Road, Howrah 711104	SNE	60,000

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Part-II

1.	Amita Engineering Works, Dharsha Panchanantala, G.I.P. Colony, Santragachi, Howrah-711112 (W.B.) (Only for Drg. No. SK-89021, SK-97002 Alt. 2, SK- 98013 Alt. Nil)	AMITA	3,600
2.	General Stores & Engineering Co. Pvt. Ltd., Shanpur, Paschim Dasnagar, Howrah- 711105	GS	9,600
3.	Kolley Enterprise, (Unit-II), Vill-Nimerhati, P.O.- Makardah, P.S.—Domjur, (Domjur- Andul Road), Distt.-Howrah-711 113	KOE	3,000
4.	Krishna Engg. Works, 57/9, 'Q' Road, P.O. Netajigarh, Belgachia, Howrah-711 108 (Only for Drg. No. SK-97002, SK-98013)	KE	1200
5.	Mullick & Santra Engineering, Ichapur Road, Sealdanga, Kalitala, Howrah-711 104 (Only for Drg. No. SK-97002, WD-83062-S-4)	MS	3,500
6.	P.S. Engineering Concern, P.O.- G.I.P. Colony, Hatpukur, Muchipara, Ramrajtala, Howrah-711112(W.B.) (Approved only for item(ii)- Isolating cock for air brake coaches)	PSEC	7,416
7.	PEW Engineering Private Limited, (Unit-II works), 40/107, Joy Bibi Road, Ghosuri, Howrah-711 107. (Only for Drg. No. WD-83062-S-4)	PEW	12,000
8.	Pole Star, 20/9/B,Raja Manindra Road, Kolkata-700 037	PLS	9,600
9.	Recon Engineering Co. (P) Ltd., P.O. Balitikuri, Distt. Howrah-711102 (Only for Drg. No. SK-97002)	REC	6,000
10.	Subrata Iron Foundry, Balitikuri, Surkimill, Howrah-711 113	SIF	6,000

g) Check Valve Assembly (Spec. No. 02-ABR-02 with Appendix- I & Drg. No. SK-98112 Alt. Nil, WD-83062-S-03 Alt. 2)

Part I

1.	General Stores & Engineering Co. Pvt. Ltd., Shanpur, Paschim Dasnagar, Howrah- 711105 (Only for Drg. No. WD-83062-S-03)	GS	9,600
2.	PEW Engineering Private Limited, (Unit-II works), 40/107, Joy Bibi Road, Ghosuri, Howrah-711 202.	PEW	6,000
3.	S.N. (Mechanical) Enterprise Private Limited,167/1, Shastri Narendra Nath Ganguly Road, Howrah 711104	SNE	36,000

Part II

1.	AJ Tech Equipments Pvt. Ltd., Village & P.O. - Islampur, Ranihati, Amta Road, Howrah-711401. (Only for Drg. No. SK-98112)	AJ	6,000
2.	Amita Engineering Works, Dharsha Panchanantala, G.I.P. Colony, Santragachi, Howrah-711112 (W.B.) (Only for Drg. No. SK-98112 Alt. Nil)	AMITA	2,400
3.	Annapurna Engineering Works, 59/18, Natabar Paul Road, Howrah-711101	AE	600
4.	Kolley Enterprise, (Unit-II), Vill-Nimerhati, P.O.- Makardah, P.S.—Domjur, (Domjur- Andul Road), Distt.-Howrah-711 113	KOE	2,400
5.	P.S. Engineering Concern, P.O.- G.I.P. Colony, Hatpukur, Muchipara, Ramrajtala, Howrah-711112(W.B.) (only for Drg. No. SK-98112 Alt. Nil)	PSEC	7,416
6.	Pole Star, 20/9/B,Raja Manindra Road, Kolkata-700 037	PLS	4,800
7.	Subrata Iron Foundry, Balitikuri, Surkimill, Howrah-711 113	SIF	6,000

h) Passenger Emergency Alarm Valve (Spec. No. 02-ABR-02 with Appendix- J & Drg. No. SK-97029 Alt -03)

Part- I

1.	AJ Tech Equipments Pvt. Ltd., Village & P.O. - Islampur, Ranihati, Amta Road, Howrah-711401.	AJ	9,600
2.	Annapurna Engineering Works, 59/18, Natabar Paul Road, Howrah-711101	AE	600
3.	General Stores & Engineering Co. Pvt. Ltd., Shanpur, Paschim Dasnagar, Howrah- 711105	GS	3,600
4.	Pax Engineers, Ichapur Canel Side, P.O. Santragachi, Howrah-711104	PAX	1,800
5.	S.N. (Mechanical) Enterprise Private Limited,167/1, Shastri Narendra Nath Ganguly Road, Howrah 711104	SNE	6,000

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Part- II

1.	Amita Engineering Works, Dharsha Panchanantala, G.I.P. Colony, Santragachi, Howrah-711112 (W.B.)	AMITA	2,400
2.	P.S. Engineering Concern, P.O.- G.I.P. Colony, Hatpukur, Muchipara, Ramrajtala, Howrah-711112(W.B.)	PSEC	7,416
3.	PEW Engineering Private Limited, (Unit-II works) 40/107, Joy Bibi Road, Ghusuri, Howrah-711 107	PEW	6,000
4.	Pole Star, 20/9/B,Raja Manindra Road, Kolkata-700 037	PLS	4,800

i) Passenger Emergency Alarm Signal Device (Spec. No. 02-ABR-02 with Appendix- J & Drg. No. SK-97017 Alt-02)

Part - I

1.	AJ Tech Equipments Pvt. Ltd., Village & P.O. - Islampur, Ranihati, Amta Road, Howrah-711401.	AJ	9,600
2.	Annapurna Engineering Works, 59/18, Natabar Paul Road,Howrah-711101	AE	600
3.	General Stores & Engineering Co. Pvt. Ltd., Shanpur, Paschim Dasnagar, Howrah- 711105	GS	3,600
4.	Greysam International Pvt. Ltd., H-42, Sector-63, Noida (U.P.)-201301.	GIPL	600
5.	Pax Engineers, Ichapur Canel Side, P.O. Santragachi, Howrah-711 104	PAX	1,800

Part- II

1.	Amita Engineering Works, Dharsha Panchanantala, G.I.P. Colony, Santragachi, Howrah-711112 (W.B.)	AMITA	600
2.	PEW Engineering Private Limited, (Unit-II works) 40/107, Joy Bibi Road, Ghusuri, Howrah-711 107 (for Drg. No. SK-97018 (Sheet 1 & 2) and SK-97017 & SK-81163).	PEW	6,000
3.	P.S. Engineering Concern, P.O.- G.I.P. Colony, Hatpukur, Muchipara, Ramrajtala, Howrah-711112(W.B.)	PSEC	7,116
4.	Pole Star, 20/9/B,Raja Manindra Road, Kolkata-700 037	PLS	3,000
5.	S.N. (Mechanical) Enterprise Private Limited,167/1, Shastri Narendra Nath Ganguly Road, Howrah 711104	SNE	6,000

j) Pipes & Joints for Air Brake for Freight & passenger stock (Spec. No. 04-ABR-02 with 06 Amendments- Last Amend. No. 6 issued on April 2010 – Applicable for all type of pipes (Freight & Coaching stock) as per relevant drawing)

Part I

1.	Amar Engineers & Fabricators, Plot No. - 5, Sec-24, Faridabad-121005	AEF	2,000
2.	Comet Technocom (P) Ltd., Naskarpara, Kalitala, Balitikuri, Howrah-711 113	CT	2,250
3.	Cosmic Engineers, "Jalan Complex" , 29.5, Mile Stone, Begri, Domjur, Howrah-711411	CE	1,800
4.	Engineers Concern, 9/A/2/2, Madhusudhan Mukherjee Road, P.O. - B.D. Sopan, Khardah, 24 Parganas (N)-700 116 (W.B.)	EC	38,400
5.	India Tools Crafts (P) Ltd., Shed No. L- 34 & 35, Howrah Industrial Estate, Dasnagar, Howrah- 711 105 (W.B.)	ITC	2,160
6.	Lal Baba Industrial Corporation Private Limited, 78, Lala Babu Shire Road, Belur, Howrah-711 202	LBIC	3,108
7.	S.N. (Mechanical) Enterprise Private Limited, 167/1, Shastri Narendra Nath Ganguly Road, Howrah 711104	SNE	7,500

Part II

1.	Annapurna Engineering Works, 59/18, Natabar Paul Road, Howrah-711101	AE	3,000
2.	Archana Industries, Jalan Complex, 29.5 Mile stone, Baniyara, P.O.Begri, Donjur, Howrah-711 411.	AI	6,000
3.	Lakshmi Industries, Survey no 585/2 Sathiram Main Road, Vegakollai, Panruti (TK), Cuddalore (Distt.)-607302.	LI	3,000 sets
4.	Engineering Trade Centre (I) Pvt. Ltd, 15/1, Dr. H.K. Chatterjee Street, Ghusuri, Howrah-711107	ETC	6,000

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5.	Shiba Industries Industries, Jalan Industrial Complex, NH-6, Main Road-1 Right Lane-6, Vill-Baniyara, P.O.- Begri, P.S.-Domjur, Howrah-711 411	SIB	5,000 sets
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Note – “The straight pipes required for preparing pipe- systems as above can however be purchased from OEMs or their authorized dealers only. (Authority: WD Dte letter no. MW/APB/Spec dtd 17.12.2009)”.

k) Pressure gauge for air brake system of passenger stocks & brake vans (Spec No. 02-ABR-02 with Appendix – H & Appendix-O, Drg. No. WD-92047-S-01 Alt. 03, WD-9204-S-02, SK-73553 Alt. 04, WD-83062-S-05 Alt. 3 & WD-91101-S-05 Alt. 5)

Part I

1.	H. K. Company, 12, S.N. Roy Road, Kolkata-700 038.	HK	17850
2.	Topgrip Indus Instruments Pvt. Ltd., 37C, Jheel Road, Dhakuria, Kolkata-700 031.	TOPGRIP/I.I	18000
3.	Midlands & Co., Mukherjee Industrial Complex, Mahamayatala Garia, Kolkata-700 084	MIDLANDS	6000

Part II – Nil

4. Brake Cylinder Assembly (Spec. No. 02-ABR-02 with Appendix-B)

SN	Item	Drawing No.
i)	Brake Cylinder- 355 mm	WD-92051-S-06 Alt. 05
ii)	Brake Cylinder- 300 mm	WD-92051-S-11 Alt. 3
iii)	Brake Cylinder- 355 mm	SK-97015

Part I

1.	AJ Tech Equipments Pvt. Ltd., Village & P.O. - Islampur, Ranihat, Amta Road, Howrah-711401.	AJ	10920
2.	D. R. Steel & Industries (P) Ltd.,17/1/1,KB Sarani (Mall road), Dum-Dum, Kolkata-700 080 (W.B.) (Only for Drg. No. WD-92051-S-06).	DRS	6825
3.	Kayr Enterprises, 306/1, Rai Bahadur Road, Kolkata-700 053. (Only for Drg. No. Drg. No. WD-92051-S-06 & WD-92051-S-11)	KE	3000
4.	Mazdoor welding Works, A-28/4, Mayapuri Industrial Area, Phase-I, New Delhi-110 064 (Only for Drg. No. WD-92051-S-06).	MWW	3000
5.	PEW Engineering Private Limited,(Unit-II works), 40/107, Joy Bibi Road, Ghusuri, Howrah-711 107.	PEW	1560

Part II

1.	Amar Engineers & Fabricators, Plot No. - 5, Sec-24, Faridabad-121005	AEF	2400
2.	Annapurna Engineering Works, 59/18, Natabar Paul Road, Howrah-711101 (Only for Drg. No. SK-97015, WD-92051-S-06)	AE	2730
3.	Comet Technocom (P) Ltd., Naskarpara, Kalitala, Balitikuri, Howrah- 711 113 (Only for Drg. No. WD-92051-S-06, WD-92051-S-11)	CT	1092
4.	Engineers Concern, Balitikuri, Shibtala, P.O. Balitikuri, Howrah-711 113	EC	1,530
5.	General Stores & Engineering Co. Pvt. Ltd., Shanpur, Paschim Dasnagar, Howrah- 711105 (Only for Drg. No. WD-92051-S-06 & WD-92051-S-11)	GS	2100
6.	Mazdoor welding Works, A-28/4, Mayapuri Industrial Area, Phase-I, New Delhi-110 064. (Only for Drg. No. Drg. No. WD-92051-S-11 & SK-97015)	MWW	3000
7.	Riddhi Technologies Pvt. Ltd., 62/4, Phase-I, Opp. Manak Chowk Co. Op. Bank, G.I.D.C., Vatva, Ahmedabad-382445. (Only for Drg no. 92051-S-06 & 92051-S-11).	RT	3600

5. Bogie Mounted Brake Cylinder (Spec. No. C-K013 Alt. 1, Drg. No. SK-81200 Alt -05, SK-81057 Alt -09, SK-81202 Alt -02)

Part I

1.	AJ Tech Equipments Pvt. Ltd., Village & P.O. - Islampur, Ranihat, Amta Road, Howrah-711401.	AJ	12000
2.	Escorts Limited (Railway Equipment Division), Plot No. 115, Sector 24, Faridabad-121005 (Haryana).	E	18240

3.	Kolley Enterprise, (Unit-II), Vill-Nimerhati, P.O.- Makardah, P.S.—Domjur, (Domjur- Andul Road), Distt.-Howrah-711 113	KOE	4942
4.	Mazdoor Welding Works, A28/4, Ground Floor Mayapuri Industrial Area, New Delhi -64	MWW	12000
5.	PEW Engineering Private Limited, (Unit-II works), 40/107, Joy Bibi Road, Ghusuri, Howrah-711 107.	PEW	1560
6.	Recon Engineering Co. Pvt. Ltd., P.O. Balitikuri, Distt. Howrah-711102	REC	4000

Part II

1.	Annapurna Engineering Works, 59/18, Natabar Paul Road, Howrah-711101	AE	600
2.	Amar Engineers & Fabricators, Plot No. - 5, Sec-24, Faridabad-121005	AEF	6000
3.	Associated Tools, Chamrail, Pakuria, Lakshmanpur, Howrah-711114(W.B.)	AT	12,000
4.	B.P. Spring & Engg. Co. Pvt. Ltd, 90, Benaras Road, Howrah- 711 106	BPS	12,000
5.	General Stores & Engineering Co. Pvt. Ltd., Shanpur, Paschim Dasnagar, Howrah- 711105	GS	5000

6. **Slack adjusters and spares – for Coaching Stock** (Spec. No. 07-ABR-1992 with 4 Amendments –Last Amend. No. 4 issued on July' 2000; Drg. No. SK-83063 Alt. Nil & SK-85062 Alt. 5)

SN	Item	Drawing No.
i)	Slack adjusters for coaching stock Type IRSA-450	SK-85062 Alt -05
ii)	Slack adjusters for coaching stock Type SAB-DRV	SK-83063 Alt -Nil

Part I

1.	General Stores & Engineering Co. Pvt. Ltd., Shanpur, Paschim Dasnagar, Howrah- 711105	GS	18000
2.	Stone (India) Ltd., 16, Taratalla Road, Kolkata-700 088.	SIL	7300

Part II- Nil

7. **Slack adjusters and spares – for Freight stock** (Spec. No. 07-ABR-1992 with 4 Amendments –Last Amend. No. 4 issued on July' 2000; Drg. No. WD-82064-S-01-RC Alt. 12 & WD-90002-S-01-RC Alt. 02)

Part I

1.	General Stores & Engineering Co. Pvt. Ltd., Shanpur, Paschim Dasnagar, Howrah- 711105	GS	18000
2.	Stone (India) Ltd., 16, Taratalla Road, Kolkata-700 088.	SIL	7300

Part II - Nil

8. **Empty Load device-IR-ELD-10** (Drg. No.WD-84074-S-01 RC Alt. 3, WD-84074-S-02 RC Alt. 1, WD-84074-S-03 RC Alt. 3)

Part I

1.	General Stores & Engineering Co. Pvt. Ltd., Shanpur, Paschim Dasnagar, Howrah- 711105	GS	3000
2.	Greysham International Pvt. Ltd., H-42, Sector-63, Noida (U.P.)-201301	GIPL	2500
3.	PEW Engineering Private Limited, (Unit-II works), 40/107, Joy Bibi Road, Ghusuri, Howrah-711 107.	PEW	1560
4.	Stone India Limited, 16 Taratalla Road, Kolkata- 700 088.	SIL	7022

Part II - Nil

9. **Spring steel rounds to material Gr. 60Si7 and Gr. 55Si7** (Spec. No. WD-01-HLS-1994 Rev. 3 of Jan'09 Material –IS: 3195, T-31-1992 with Corrigendum-II)

- i) Gr. 60Si7 to Spec. No. WD-01-HLS-1994 Rev.-3 of Jan'09
ii) Gr. 55Si7 to Spec. No.T-31-1992 with Corrigendum-II

Part I

1.	Rastriya Ispat Nigam Ltd., Visakhapatnam Steel Plant, Visakhapatnam-530 031. Office Address: Rastriya Ispat Nigam Ltd., Visakhapatnam Steel	VSP	40,000 MT
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	Plant, Marketing Department, Main Administrative Building Visakhapatnam 530 031 (Approved only for 20.64mm ϕ for ERC raw material to spec.no. T-31-1992 (Corrigendum-II)		
2.	Sunflag Iron&Steel Co.Ltd.,PO.Bhandara Road,Bhandara-441905(MH)	SF	1,92,000 MT
3.	Surya Alloy Industries Limited, Unit-I, Village- Ghutgoria, Barjora-Maliara Road, Beside: Biax Limited, Distt.- Bankura, West Bengal-722202.	SA	81,000 MT
4.	Upper India Steel Mfg and Engg. Co.Ltd. Dhandari Industrial Area, Ludhiana - 141 101.	UIS	38,000 MT
5.	Visvesvaraya Iron & Steel, Bhadrawati 577301 Karnataka	VISP	12,960 MT

Part II

1.	Adhunik Metaliks Ltd., Vill. Chadrihariharpur, P.O. Kuarmunda, Distt. Sundergarh, Rourkela, Orrisa-770039 (Approved only upto 35 mm ϕ).	AML	2,28,000 MT
2.	Bhushan Power & Steel Ltd., Vill.-Thekoloji, P.O.- Lapanga, Teh.-Rengali, Dist.-Sambalpur (Orissa)- 768232 (Approved for size 16 mm ϕ to 32 mm ϕ only)	BPSL	1,64,700 MT
3.	Jayaswal Neco Industries Ltd., (Steel plant division), Siltara Growth Centre, Siltara, Raipur (C.G.)-493111	JNIL	2,60,000 MT
4.	JSW Steel Limited, Salem Works, P.O. - Pottaneri, Kalipatti, Mecheri, Mettur- Tk., Distt. - SALEM -636 453 (Tamilnadu) (Approved only size upto 38 mm ϕ)	JSW	3,07,230 MT
5.	Marmagoa Steel Ltd., Plot No. 280, Eclate, Curtorim, Salcete, Goa- 403709. (Approved only for from 18.5 mm ϕ to 45 mm ϕ)	MARMAS T	1,600 MT
6.	Modern Steels Limited, S.C.O. No. 98-99, Sector-34C, Sub- City Centre, Chandigarh-160022.	MSL	75,000 MT
7.	R.L. Steels & Energy Ltd.,Gut No 78-81, Pangra Shivar,Chitegaon- Paithan road, Aurangabad-431107 (Approved for 18 mm ϕ to 66 mm ϕ)	RLS	74880 MT
8.	Usha Martin Limited, Phase IV & V, Adityapur Industrial Area, P.O. Gamharia, Dist. Simghbhum West, Jharkhand-832108.	UMI	2,400 MT
9.	Vardhman Special Steels Ltd., C-58, Focal Point, Ludhiana (Punjab)- 141010 (Approved only Size upto 20.64 mm ϕ only)	---	81,984 MT

10. Spring steel rounds to material Gr. 52Cr4 Mo2V and Gr. AISI 8650H (RDSO Spec. No. WD-01-HLS-1994 Rev.-3 of Jan 09 and EMD Spec. No. EMS-71)

- Gr. 52Cr4 Mo2V material to spec. IS: 3195
- Gr. AISI 8650H to material spec. EMD EMS 71

Part I

1.	Jayaswal Neco Industries Ltd, (Steel Plant Division), Siltara Growth Centre, Siltara, Raipur (C.G.)-493111 (Approved for Gr. 52Cr4 Mo2V only)	Upto 50 mm ϕ	JNIL	3,00,000 MT
2.	Sunflag Iron & Steel Co. Ltd., 33, Mount Road, Sadar, Nagpur- 440 001.	Upto 45 mm ϕ (annealed)	SF	3,000 MT
3.	Upper India Steel Mfg and Engg. Co. Ltd., Dhandari Industrial Area, Ludhiana - 141 101.	Upto 50 mm ϕ (annealed)	UIS	38,000 MT
4.	Usha Martin (Usha Alloy & Steel Division), 2A, Shakespeare Sarani, Kolkata-700 071	Upto 42 mm ϕ	UMI	2,400 MT
5.	Visvesvaraya Iron & Steel Bhadrawat 577301 Karnataka	Upto 50 mm ϕ (annealed)	VISP	12960 MT

Part II

1.	Adhunik Metaliks Ltd., Vill. Chadrihariharpur, P.O. Kuarmunda, Distt. Sundergarh, Rourkela, Orrisa- 770039.	upto 45 m.m. dia in annealed condition	AML	22,8000 MT
2.	Bhushan Power & Steel Ltd., Vill.-Thekoloji, P.O.- Lapanga,Teh.-Rengali, Dist.-Sambalpur (Orissa)- 768232	From 16 mm ϕ to 56 mm ϕ	BPSL	1,64,700 MT
3.	Jayaswal Neco Industries Ltd, (Steel Plant Division), Siltara Growth Centre, Siltara, Raipur (C.G.)- 493111(Assured for Gr. AISI 8650H only)	Upto 50 mm ϕ	JNIL	3,00,000 MT

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4.	JSW Steel Limited, Salem Works, P.O. - Pottaneri, Kalipatti, Mecheri, Mettur- Tk., Distt. - SALEM -636 453 (Tamilnadu)	Upto 45 mm ϕ	JSW	3,07,230 MT
5.	Marmagoa Steel Ltd., Plot No. 280, Eclate, Curtorim, Salcete, Goa-403709	From 18.5 ϕ to 45 ϕ	MARMAST	1,600 MT
6.	R.L. Steels & Energy Ltd., Gut No 78-81, Pangra Shivar, Chitegaon-Paithan road, Aurangabad-431107	From 18 mm ϕ to 66 mm ϕ	RLS	74880 MT
7.	Surya Alloy Industries Limited, Unit-I, Village- Ghutgoria, Barjora-Maliara Road, Beside: Biax Limited, Distt.- Bankura, West Bengal-722202.	Upto 45 mm ϕ	SA	81,000 MT

11. Hot Coiled Helical springs to material Gr.60Si7 and Gr.52Cr4 Mo2V for freight stock (Spec. No. WD-01-HLS-1994 Rev. 3 of Jan' 09; Material - IS: 3195)

Part I

1.	Abok Spring Pvt. Ltd., 101/103, Jhotwara Industrial Area, Jhotwara, Jaipur-302 012	AFJ	7,14,420
2.	B.P. Spring & Engg. Co. Pvt. Ltd., 90, Benaras Road, Howrah-711 106	BPS	2,67,540
3.	BESCO Ltd, Baruipur, 24, Parganas (S), West Bengal- 700 144	BH	1,89,000
4.	Bhartia Mini Spring & Engg. Co. Pvt. Ltd., Howrah-Amta Road, Baltikuri, Shibtala, Howrah-711113.	BMS	200 MT
5.	Frontier Springs Ltd., KM, 25/4, Kalpi Road, Rania Kanpur Dehat. Additional Works: Village-Kunja, Paonta Sahib, Distt. Sirmour, Himachal Pradesh.	FSK FSP	7,34,400
6.	G.B. Springs (P) Ltd., 22/23 Km, Chakrata Road, Chhota Rampur, Distt. Dehradun	GBD	4,14,720
7.	G.D. Springs Mfg.Co. (P) Ltd., Howrah Amta Road, Balitikuri, Howrah-711113.	GDS	1,24,740
8.	Howrah Forgings Ltd., Village-Alampur, P.O. -New Kolorah, District-Howrah-711302	HFL	2,46,000
9.	India Tools Crafts (P) Ltd., Shed No. L- 34 & 35, Howrah Industrial Estate, Dasnagar, Howrah- 711 105 (W.B.)	ITC	63,000
10.	Kalimata Vyapaar Pvt. Ltd., Plot No. 1/98, Bidhan Road, Vill: Birshingapur, Barjora, Dist- Bankura, West Bengal.	KVL	1,26,000
11.	Mini Iron & Alloys Pvt. Ltd., A-15, Balitikuri Industrial Estate, Dasnagar, Howrah-711113	MIA	2,100
12.	Quality Springs & Engg Co. Pvt Ltd., Howrah-Amta Road, Balitikuri, Howrah - 711 113.	QS	1,89,000
13.	Rahul Precision Works Pvt. Ltd., Plot No. 13-14, Sector-3, Pithampur, Dist. Dhar (M.P.)-454774.	RPW	1,705 MT
14.	Shakti Rail Spring Limited, Plot No. 1444, San Nuagaon, P.O. Brahmani, Tarang, Rourkela-770031 (Orissa).	PTFPL	16,000

Part II

1.	J. J. Spring Manufacturing Pvt. Ltd., Shed No. J-45, Howrah Industrial Estate, Baltikuri, Howrah - 711113	JJS	1,35,000
2.	MEW Suspension Pvt. Ltd., M-2(P), 4th Phase, Adityapur Industrial Area, Gamharia Jamshedpur-832108	MEW	1,89,000
3.	Soni Auto & Allied Industries Ltd., Plot No. A 21(P), A 22 (F), A 23 (P), village-Sitadihi, thana no, 70, distt- Saraikela, Kharsawan, Large sector area, Jamshedpur.	SONICO	2,43,000

12. Hot Coiled Helical springs for coaching stock (Spec. No. WD-01-HLS-1994 Rev. 3 of Jan' 2009, Material - IS: 3195)

Part I

1.	Abok Spring Pvt. Ltd., 101/103, Jhotwara Industrial Area, Jhotwara, Jaipur- 302 012.	AFJ	2,02,500
2.	Frontier Springs Ltd., KM, 25/4, Kalpi Road, Rania Kanpur Dehat. Additional Works: Village-Kunja, Paonta Sahib, Distt. Sirmour, Himachal Pradesh.	FSK FSP	4,28,400
3.	G.B. Springs (P) Ltd., 22/23 KM, Chakrata Road, Chhota Rampur, Distt. Dehradun	GBD	1,94,400

Part II

1.	B.P. Spring & Engg Co. Pvt. Ltd.,90, Benaras Road,Howrah-711 106	BPS	81,000
2.	Bhartia Mini Spring & Engg. Co. Pvt. Ltd., Howrah-Amta Road, Baltikuri, Shibtala, Howrah-711113	BMS	200
3.	Howrah Forgings Ltd., Village- Alampur, P.O.- New Kolorah, District-Howrah-711302	HFL	1,03,992

13. Hot Coiled Helical springs for locomotives (Spec. No. MP.0.4900.12 Rev. 02 of Nov'12)

Part I

1.	Abok Spring Pvt. Ltd., 101/103, Jhotwara Industrial Area, Jhotwara, JAIPUR-302 012	AFJ	Included in Capacity at SN12
2.	Bhartia Mini Spring & Engg. Co. Pvt. Ltd., Howrah-Amta Road, Baltikuri, Shibtala, Howrah-711113.	BMS	200 MT
3.	Frontier Springs Ltd., KM, 25/4, Kalpi Road, Rania Kanpur Dehat. Additional Works: Village-Kunja, Paonta Sahib, Distt. Sirmour, Himachal Pradesh.	FSK FSP	4,28,400
4.	G.B. Springs (P) Ltd., 22/23 Km, Chakrata Road, Chhota Rampur, Distt. Dehradun	GBD	1,94,400

Part II- Nil

14. Rubber Buffer Spring for Freight stock (Spec. No. R-36-88, Drg. No. W/BD-2267 Alt. 6)

Part I

1.	Aryan Exporters Pvt. Ltd., B-1, Industrial Area, Lucknow-226 008	ARYAN	1,81,440
2.	Avadh Rubber (Prop. Madras Elastomers Ltd.), B-12, Industrial Area, Opp. Amausi Aerodrome, Lucknow-226008.	ARL	4,56,000
3.	Basant Rubber Factory Ltd, 103B - L.B. Shastri Marg, Vikhroli, (W) Mumbai-400083.	BASANT	6,00,000
4.	Frontier Alloy Steels Ltd., KM 25/5 & 6, Kalpi Road, Rania, Kanpur Dehat-209304	FAS	1,20,000
5.	Prag Industries (India) Pvt. Ltd., E-7, Talkatora Industrial Estate, Talkatora Road, Lucknow-226011	PRAG	32,400
6.	Ranbir Polymer Industries, B-10, 11 & 12, Phase-I, Industrial Area, Adityapur, Jamshedpur-831 013	RANBIR	2,08,800

Part II

1.	Howrah Forgings Ltd., Village-Alampur, P.O. - New Kolorah, District-Howrah-711302	HFL	24,000
2.	Nalin Rubber Private Limited, B-10, 6 th Phase, Adityapur Industrial Area, Gamharia, Jamshedpur-832 108	NILU	85,000
3.	Tayal & Co., D-85, Phase-7, SAS Nagar, Industrial Area, Mohali-160055 (Punjab)	TC	4,32,000

15. Metal Bonded Rubber Pads for Side Bearer (Spec. No. 03- Misc. 86 Rev.4 of Aug'09, *Drg.No. WD-85076-S/1)

Part I

1.	Aryan Exporters Pvt. Ltd., B-1, Industrial Area, Lucknow-226 008 <i>*(Approved for Drawing No. AE/MSBP(H)/71/02)</i>	ARYAN	4,80,000
2.	Avadh Rubber (Prop. Madras Elastomers Ltd), B-12, Industrial Area Amausi, Opp. Amausi Aerodrome, Lucknow-226008. Additional Unit: Plot no. 105, Sector-7, IIE Ranipur, SIDCUL, Haridwar-249403 <i>*(Approved for drg. No. ARL-02051)* (Approved for drg. No. ARL-02051)</i>	ARL	42,900
3.	Basant Rubber Factory Ltd, 103 B - L B Shastri Marg, Vikhroli, (W) Mumbai-400083.	BASANT	72,000
4.	Bony Polymers Pvt. Ltd., Plot No. 77, Sector-6, Faridabad-121006 (Haryana)	BPL	2,30,000
5.	Calcast Ferrrous Ltd., Village- Alampur, P.O.- New Kolorah, NH-6, Howrah-711 302	CFL	1,50,000

6.	Cemcon Railway Industries, 8 KM Stone, Panipat Road, Mudlana, Gohana, Distt. Sonipat-131001 (Haryana)	CE	1,20,000
7.	D.K. Steels, Howrah Amta Road, Baltikuri, Howrah-711402 (W.B.)	DKS	1,12,000
8.	Frontier Alloy Steels Ltd., KM 25/5 & 6, Kalpi Road, Rania, Kanpur Dehat-209304	FAS	1,26,000
9.	MGM Rubber Company, 277, Jessore Road, Kolkata-700048	MGM	65,000
10.	Prag Industries (India) Pvt. Ltd., E-7, Talkatora Industrial Estate, Talkatora Road, Lucknow-226011. *(Approved for Drawing No. PI/SBP/001)	PRAG	1,74,960
11.	VRC Continental (Unit of BESCO Ltd), 13/4, Mathura Road, Faridabad (Haryana)-129 003	VRC	1,80,000

Part II

1.	Howrah Forgings Ltd., Village-Alampur, P.O.- New Kolorah, District-Howrah-711302	HFL	24,000
2.	Nalin Rubber Private Limited, B-10, 6 th Phase, Adityapur Industrial Area, Gamharia, Jamshedpur-832 108	NILU	3,00,000
3.	Sridhar Engineering & Rubber Products Pvt. Ltd., Plot No. 87, Industrial Estate, Jawahar Autonagar, Vijayawada-520 007	SERP	48,600
4.	Tayal & Co., D-85, Phase-7, Industrial Area, SAS Nagar, Mohali Additional works at: Plot No.14,Apparel Park-cum-Industrial Area, Bhatauli Kalan,Katha Baddi-173205, Distt- Solan (HP)	TC	70,200 60,000

16. High Capacity Buffer Spring for Side Buffers of BG Coaches (Spec. No. CK-210 Rev.03), Drg. No. SK- K 2048)

Part I

1.	Aryan Exporters Pvt. Ltd., B-1, Industrial Area, Lucknow-226 008	ARYAN	96,000
2.	Avadh Rubber (Prop. Madras Elastomers Ltd), B-12, Industrial Area Amausi, Opp. Amausi Aerodrome, Lucknow-226008. Additional Unit: Plot no. 105, Sector-7, IIE Ranipur, SIDCUL, Haridwar-249403	ARL	52,416
3.	Basant Rubber Factory Ltd, 103B-L B Shastri Marg, Vikhroli, Mumbai-83	BASANT	1,08,000
4.	Bony Polymers Pvt. Ltd., Plot No. 77, Sector-6, Faridabad-121006 (Haryana)	BPL	2,30,400
5.	Calcast Ferrrous Ltd., Village- Alampur, P.O.-New Kolorah, NH-6, Howrah-711302	CFL	78,000
6.	D.K. Steels, Howrah Amta Road, Baltikuri, Howrah-711402 (W.B.)	DKS	28,800
7.	Frontier Alloy Steels Ltd., KM 25/ 5 & 6, Kalpi Road, Rania, Kanpur Dehat-209304.	FAS	60,000
8.	Howrah Forgings Ltd.,Village-Alampur, P.O.- New Kolorah, District-Howrah-711302	HFL	38,400
9.	MGM Rubber Company, 277, Jessore Road, Kolkata-700048.	MGM	7,500
10.	Nalin Rubber Private Limited, B-10, 6 th Phase, Adityapur Industrial Area, Gamharia, Jamshedpur-832108	NILU	38,880
11.	Prag Industries (India) Pvt. Ltd., E-7, Talkatora Industrial Estate, Talkatora Road, Lucknow-226011.	PRAG	48,000
12.	Ranbir Polymer Industries, B-10, 11 & 12, Phase-1, Industrial Area, Adityapur, Jamshedpur-831013.	RANBIR	38,800
13.	Tayal & Co., Plot No.14, Apparel Park-cum-Industrial Area, Bhatauli Kalan, Katha, Baddi-173205, Distt- Solan (HP).	TC	12,000
14.	VRC Continental, 13/4, Mathura Road, Faridabad-121 003	VRC	21,600

Part-II- Nil

17. Rubber springs for Draw Gear of BG Coaches (Spec C-9501 Rev.3 of Jan. 2003, Drawing SK-K-3004)

Part I

1.	Aryan Exporters Pvt. Ltd., B-1, Industrial Area, Lucknow-226 008	ARYAN	75,00,000
2.	Avadh Rubber (Prop. Madras Elastomers Ltd.), B-12, Industrial Area, Opp.	ARL	1,56,000

	Amausi Aerodrome, Lucknow-226008.		
3.	Basant Rubber Factory Ltd, 103B – L.B. Shastri Marg, Vikhroli, (W) Mumbai-400083	BASANT	5,75,000
4.	Calcast Ferrrous Ltd., Village- Alampur, P.O.- New Kolorah, NH-6, Howrah-711 302	CFL	6,45,000
5.	Frontier Alloy Steels Ltd., KM 25/5 & 6, Kalpi Road, Rania, Kanpur Dehat-209304	FAS	4,80,000
6.	MGM Rubber Company, 277, Jessore Road, Kolkata-700048.	MGM	2,25,000
7.	Prag Industries (India) Pvt. Ltd., E-7, Talkatora Industrial Estate, Talkatora Road, Lucknow-226011.	PRAG	2,59,200
8.	Tayal & Co., D-85, Phase-VII, Industrial Area, S.A.S Nagar, Mohali (Punjab) –160055 Additional works: Plot No.14,Apparel Park-cum-Industrial Area, Bhatauli Kalan,Katha Baddi-173205, Distt- Solan (HP)	TC	70,200 12,000
9.	VRC Continental (Unit of BESCO Ltd),13/4, Mathura Road, Faridabad	VRC	1,20,000

Part II

1.	Cemcon Railway Industries., 8 KM Stone, Mudlana, Sonipat, Haryana	CE	60,000
2.	Howrah Forgings Ltd., Village-Alampur, P.O. – New Kolorah, District-Howrah-711302	HFL	24,000
3.	Nalin Rubber Private Limited, B-10, 6 th Phase, Adityapur Industrial Area, Gamharia, Jamshedpur	NILU	80,000
4.	Ranbir Polymer,B-10, 11 & 12, Phase-I, Industrial Area, Adityapur, Jamshedpur-831 013	RANBIR	2,08,800
5.	Sridhar Engineering & Rubber Products Pvt. Ltd., Plot No. 87, Industrial Estate, Jawahar Autonagar, Vijayawada-520 007	SERP	64,800

18. Rubber Spring of High Capacity Draft Gear for Centre Buffer Coupler of BG Bogie Wagons
(Spec. No. 55-BD-90 Amend. No.3 of Sep' 93, Drg. No. WD-90076-S-01 Alt 01)

Part I

1.	Aryan Exporters Pvt. Ltd., B-1, Industrial Area, Lucknow-226008.	ARYAN	1,00,200
2.	Avadh Rubber (Prop. Madras Elastomers Ltd), B-12, Industrial Area Amausi, Opp. Amausi Aerodrome, Lucknow-226008. Additional Unit: Plot no. 105, Sector-7, IIE Ranipur, SIDCUL, Haridwar-249403	ARL	24,000
3.	Basant Rubber Factory Ltd., 103B – L B Shastri Marg, Vikhroli, (W) Mumbai-400083.	BASANT	81,000
4.	Frontier Alloy Steels Ltd., KM 25/5 & 6, Kalpi Road, Rania, Kanpur Dehat-209304	FAS	40,000
5.	Nalin Rubber Private Limited, B-10, 6 th Floor, Adityapur Industrial Area, Gamharia, Jamshedpur-821008	NILU	1,15,000
6.	Prag Industries (India) Pvt. Ltd., E-7, Talkatora Industrial Estate, Talkatora Road, Lucknow-226 011.	PRAG	56,700
7.	Ranbir Polymer Industries, B-10, 11 & 12, Phase-1, Industrial Area, Adityapur, Jamshedpur-831013.	RANBIR	17,400

Part II

1.	Tayal & Co., B-60, Pushpanjali Enclave, Pitampura, New Delhi-110034	TC	70,200
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19. Elastomeric Pads (Spec. No. 20-Misc.-95 Rev. 3 of March' 2003 with 5 Amendments- Last Amendment no. 5 issued in July'2013, RDSO Drg. No. WD-95005-S/1 Alt 07 of May'06)

Part I

1.	Aryan Exporters Pvt. Ltd., B-1, Industrial Area, Lucknow-226 008 (Approved for Drawing No. AE/MEP-99/03/04)	ARYAN	1,08,000
2.	Avadh Rubber (Prop. Madras Elastomers Ltd), B-12, Industrial Area Amausi, Opp. Amausi Aerodrome, Lucknow-226008. Additional Unit: Plot no. 105, Sector-7, IIE Ranipur, SIDCUL, Haridwar-249403 (Approved for Drawing No.ARL-02061)	ARL	2,40,000
3.	Basant Rubber Factory Ltd,103B – L B Shastri Marg, Vikhroli, (W) Mumbai-400083.(Approved for Drawing No. WD-95005-S/1)	BASANT	3,02,400

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4.	Bony Polymers Pvt. Ltd., Plot No. 77, Sector-6, Faridabad-121006 (Haryana) (Approved for Drawing No. WD-95005-S/1)	BPL	4,60,800
5.	Calcast Ferrrous Ltd., Village- Alampur, P.O.- New Kolorah, NH-6, Howrah-711 302 (Approved for Drawing No. WD-95005-S/1)	CFL	96,000
6.	Frontier Alloy Steels Ltd., KM 25/5 & 6, Kalpi Road, Rania, Kanpur Dehat-209304. (Approved for Drawing No. WD-95005-S/1). Additional unit: Frontier Alloy Steels Ltd., Jamni wala Road, Jamboo Khalsa, Tehsil-Paonta Sahib, Distt-Sirmaur (HP)-173025	FAS	1,16,640
7.	Prag Industries (India) Pvt. Ltd., E-7, Talkatora Industrial Estate, Talkatora Road, Lucknow-226 011. (Approved for Drawing No. PI/MEP/001)	PRAG	90,500
8.	Tayal & Co., D-85, Phase-7, Industrial Area, SAS Nagar, Mohali (Punjab) (Approved for Drawing No. WD-95005-S/1)	TC	70,800
9.	VRC Continental (Unit of BESCO Ltd), 13/4, Mathura Road, Faridabad (Haryana) (Approved for Drawing No. WD-95005-S/1)	VRC	1,95,000

Part II

1.	Howrah forgings Ltd, Village- Alampur, New Kolorah, Howrah-711302	HFL	82,368
2.	MGM Rubber Company, (i) 277, Jessore Road, Kolkata-700 048 (ii) 51, Madhusudan Pal Chowdhury, 1 st By Lane, Howrah-711 101. (Approved for Drawing No. MGM/95005/EP Rev. 3)	MGM	1,20,000

20. Side Bearer (Rubber spring) and Improved Rubber Side Bearer for Locomotive Bogies

SN	Item	Specification No.	Drawing No.
i)	Side Bearer (Rubber Spring) for Locomotive Bogies	VL-03 Rev.01 of May'05	SKVL-127 Alt.10
ii)	Improved Rubber Side Bearer for Locomotive Bogies	MP.0.49.00.17 (Rev.00) of Oct. 2009	SK VL-608 Alt.1

Part I

1.	Aryan Exporters Pvt. Ltd., B-1, Industrial Area, Lucknow-226 008	ARYAN	75,000
2.	Avadh Rubber (Prop. Madras Elastomers Ltd.), B-12, Industrial Area, Opp. Amausi Aerodrome, Lucknow-226008.	ARL	7,200
3.	Basant Rubber Factory Ltd., 103-L.B. Shastri Marg, Vikhroli, Mumbai-400 083	BASANT	7,000
4.	Frontier Alloy Steels Ltd., KM 25/5 & 6 Kalpi Road, Rania, Kanpur Dehat-209304	FAS	7,200
5.	MGM Rubber Company, 277, Jessore Road, Kolkata-700048.	MGM	3,800
6.	Prag Industries (India) Pvt. Ltd., E-7, Talkatora Industrial Estate, Talkatora Road, Lucknow-226 011.	PRAG	6,480

Part II- Nil

21. Centre Pivot Rubber Bush for WDP1, WDG3A (Spec. No. IP/MP(VDG) Bush/002 Rev. 01 of Jan'07, and Drg. No. SKVL-266 Alt.3, Item No. 2 of Drg. No. SK.VL-028A Alt.7 & SK.VL-128 Alt. 6)

Part I

1.	Aryan Exporters Pvt. Ltd., B-1, Industrial Area, Lucknow-226008.	ARYAN	24,000
2.	Basant Rubber Factory Ltd., 103-L.B. Shastri Marg, Vikhroli, Mumbai-400 083	BASANT	3,500
3.	MGM Rubber Company, 277, Jessore Road, Kolkata-700048.	MGM	1,500

Part II

1.	Frontier Alloy Steels Ltd., KM 25/5 & 6 Kalpi Road, Rania, Kanpur Dehat-209304	FAS	6,000
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22. Upper & lower rubber washer (Specification R – 64/ 98, Rev.2 of Dec'05)

Part I

1.	Aryan Exporters Pvt. Ltd., B-1, Industrial Area, Lucknow-226 008	ARYAN	60,448
2.	Avadh Rubber (Prop. Madras Elastomers Ltd.), B-12, Industrial Area,	ARL	16,200

	Opp. Amausi Aerodrome, Lucknow-226008.		
3.	Basant Rubber Factory P.Ltd,103B- L B Shastri Marg, Vikhroli, Mumbai-400083.	BASANT	2,08,800
4.	Calcast Ferrrous Ltd., Village- Alampur, P.O.- New Kolorah, NH-6, Howrah-711 302	CFL	3,88,000
5.	Cemcon Railway Industries, 8 KM Stone, Panipat Road, Mudlana, Gohana, Distt. Sonipat-131001 (Haryana)	CE	63,000
6.	D.K. Steels, Howrah Amta Road, Baltikuri, Howrah-711402 (W.B.)	DKS	14,000
7.	De Engineering Works,Ichapur, Sealdanga(100Feet) HIT Road, Post - Santragachi Howrah - 4	DEW	49,200
8.	Kricom Metal Castings (P) Ltd., 52 Km Stone, G T Road, P O Bhigan Disstt. Sonapat, Haryana 131 039	KM	61,440
9.	Phoenix Rubber Works,Govt Place East, Ezra mansion Flat 31, 3 rd floor, Kolkata- 700 069	PHOENIX	1,76,000
10.	Polymer Products of India, C-55, 56 & A-62, KSSIDC Sheds,Hosur Road, Bommasandra Industrial Area Bangalore-560099	PPI	2,88,000
11.	Prag Industries India (P) Ltd., E-7, Talkatora Industrial Estate, Talkatora Road, Lucknow-226 011.	PRAG	38,880
12.	Suncrest Industries, Jalkal Stoppage, Maheshtala, Budge Budge Trunk Road, Distt. 24 Pragnas (South) West Bengal.	SI	3,00,000

Part II

1.	MGM Rubber Company, 277 Jessore Road, Kolkata-700048.	MGM	25,000
2.	Sridhar Engineering & Rubber Products Pvt. Ltd., Plot No. 87, Industrial Estate, Jawahar Autonagar, Vijayawada-520 007	SERP	64,800

23. Acetal Guide Bush & Guide ring (Spec. C- 8215 Rev.2, Amd 1, SK-84102 Alt -05, SK-84092Alt-1)

Part I

1.	A-one Enterprises Pvt Ltd, Plot no. 131, Sector-6, IMT Manesar, Gurgaon-122050 (Haryana)	AOE	1,50,000
2.	Abrol Engg.Co.(P) Ltd.,'Abrol House'Industrial AreaKapurthala-144601	AEC	13,68,000
3.	Bihani Udyog, 8-A, Industrial Area, Jhotwara, Jaipur - 302012.	BU	6,00,000
4.	Calstar Steel Ltd., 18, R.N.Mukherjee Road, Kolkata-700 001.	CSX	2,16,000
5.	Hari Narayan Bihani, 8B Industrial Area, Jhotwar Jaipur 302 012	HNB	6,00,000
6.	Jai Polypan Pvt. Ltd., 22-26 A, Industrial Estate, Bais Godam, Jaipur-302006	JPPL	2,88,000
7.	N.D.Techno Engineering Pvt. Ltd., New Kolorah, Bombay National Highway, No.6, Howrah-711 302	NDT	99,660
8.	Okay Industries, D-39, MIDC Ranjangaon, Shirur, Pune-419209 (Maharastra).	OI	47,500
9.	Parasnath Enterprises,27,Sector-I.I.D.C.,SIDCUL,Ranipur,Haridwar (Uttarakhand)	PN	54,000
10.	Polysat Plastics Pvt. Ltd., Plot No. 131-143, Shreenath Indl.Estate, Village Savroli, Talasari, Distt. Thane (Maharashtra)	PC	30,000
11.	R.Sons Pipes & Electricals Pvt. Ltd., Plot No. B-143, Road No. 9G, VKIA, Jaipur-302 013.	RS	1,92,000
12.	Synthetic Moulders Ltd., 16 Netaji Subash Road, Kolkata - 711 101.	SM	72,000
13.	TSS India Limited, NH-6, New Kolorah, Howrah-711302	TSS	98,405
14.	V. K. Enterprises , Opp. Modipon, Hapur Road, Modinagar-2012 204 Works: IP-02, Raipur Sahakari Audyogik Kshetra, Bhagwanpur, Roorkee, Dist. Haridwar (U.K.)-247661.	DE	54,000

Part II

1.	Adinath Industries, Plot No. 224, Sector-7, SIDCUL Ind. Area (Haridwar)	AD	1,80,000
2.	Calcast Ferrrous Ltd., Village- Alampur, P.O.- New Kolorah, NH-6, Howrah-711 302	CFL	2,00,000
3.	Moulded Fibre Glass Products, P.S.-Maheshtala, P.O.-Raipur, Dist.-24 Parganas (S)	MF	2,70,000

24. Nylon-66 brake gear bushes (Spec WD-04-nylon bush-02, Drg. SK-81039 Alt -11)

Part I

1.	Abrol Engineering Co. Pvt. Ltd., Abrol House, Industrial Area, Kapurhtala-144 601.	AECO	13,68,000
2.	Black Burn & Co. 'P' Ltd., 65, Cotton Street, Kolkata - 700 007	BB	40,800
3.	Industrial Components Industries, 16 H/1B, Khanpur Road, Kolkata-700047	ICI	18,95,712
4.	Jai Polypan Pvt. Ltd., 22-26 A, Industrial Estate, Bais Godam, Jaipur-302006.	JPPL	23,04,000
5.	N.D. Techno Engineering (Pvt.) Ltd., Bombay National Highway No. 6, New Kolara, Howrah (W.B.)-711302	NDT	1,08,000 Sets
6.	Polysat Plastics Pvt. Ltd., Plot No. 131-143, Shreenath Indl. Estate, Village Savroli, Talasari, Distt. Thane (Maharashtra)	PC	2,50,000

Part II- Nil

25. High tensile centre buffer coupler & its components for Freight stock (Spec. No. 48-BD-2008 & Drg. No. WD-81010-S-03 Alt. 10, SK-62724 Alt. 23, WA/BD-4462 Alt. 5, WA/BD-4460 Alt. 8)

	Components of High tensile centre buffer coupler (Non-transition type)	WD-81010-S-03 Alt. 10
i)	Coupler Body & Shank Wear Plate	SK-62724 Item-1 & 10 Alt. 23
ii)	Knuckle	SK-62724 Item-2 Alt. 23
iii)	Lock	SK-62724 Item-8 Alt. 23
iv)	Knuckle Thrower	SK-62724 Item-9 Alt. 23
v)	Knuckle Pivot Pin	SK-62724 Item-4 Alt. 23
vi)	Toggle	SK-62724 Item-5 Alt. 23
vii)	Universal Lock Lift Lever Connector	SK-62724 Item-6 Alt. 23
viii)	Lock Lift Hook	SK-62724 Item-7 Alt. 23
ix)	Coupler Yoke	SK-62724 Item-3 Alt. 23
x)	Yoke Pin	SK-62724 Item-12 Alt. 23
xi)	Yoke Pin Support	WA/BD-4462 Alt. 5
xii)	Striker Casting (B.G.) with wear plate	WA/BD-4460 Alt. 8
xiii)	Striker Casting Wear Plate	WD-87056-S-01 Alt. 4
xiii)	Back stop	W/BD-699 Alt. 3

Part I

1.	BESCO Ltd., 7B & C Poonam, 5/2 Russel Street, Kolkata-700 001.	BH	8,650
2.	Bhilai Engineering Corporation Ltd., Hathkhoj Industrial Area, Bhilai, C.G	BEC	972
3.	Braithwaite & Co. Limited, (A Govt. of India Undertaking) Subsidiary of BBUNL Angus Works, P.O. Angus, Dist. Hooghly, Pin-712221.	BWT	1,524
4.	Burn Standard Co. Ltd., Howrah works, 20-22, Nityadhan Mukherjee Road, Howrah-711 101	BS	2,040
5.	Frontier Alloy Steels Ltd., KM 25/5 & 6, Kalpi Road, Rania, Kanpur Dehat (UP). Additional Works: Jamni Wala Road, Jamboo Khala, Tehsil Paonta Sahib, Distt. Sirmaur (H.P.)-173025	FAS	6,000
6.	Hindusthan Engineering & Industries Ltd., 27, Sir R.N. Mukherjee Road, Kolkata-700 001.	HEI	11,400
7.	Jupiter Alloys & Steel (India) Ltd, Shahgunj, Chinsurah, Dist.-Hooghly-712104, West Bengal.	JASIL	6,480
8.	Raneka Industries Ltd., Plot No. 15, 16, 17, Sector-3 (Sagore), Pithampur, Distt. - Dhar (MP) Pin-454775.	RIL	6,000
9.	Texmaco Rail & Engineering Limited (Steel Foundry), Belgharia, 24-Parganas, Kolkata-700 056	TEXMACO	7,680
10.	* Titagarh Wagons Ltd. (Unit: Titagarh Steels), 113, Park Street, Kolkata-700 016.	TITA	5,940

Part II

1.	Chittaranjan Locomotive Works, Steel Foundry, Chittaranjan, Distt.-Burdwan, West Bengal -713331.	CLW	1,440
2.	Rausheena Udyog Ltd., (Engineering Divisiopn), Chaygaon Industrial Growth Centre, Village-Chatabari, P.O.- Birpara, Dist.-Kamrup, Assam-781123.	RUL	3,600

3.	Rine Engineering Pvt. Ltd., 73 A, B & C, HPSIDC Indl. Area, Baddi, Dist.- Solan (H.P.)-173205.	RN	1,200
4.	Siena Engineering Pvt. Ltd., Plot No. 18A-22 and S-3/3, Sector-III, Sagore Kutti Road, Pithampur, Distt. Dhar-454775 (M.P.)	SN	3,000
5.	* Titagarh Wagons Ltd., Heavy Engineering Division, P.O.Hindmotor, Distt. Hooghly.	TWL	4,500

* Note: Firms "Titagarh Wagons Ltd. (Unit: Titagarh Steels)" at SN 10 in Part I and "Titagarh Wagons Ltd., Heavy Engineering Division" at SN 4 in Part II are allied / sister concern

Sources for coupler components

A. D. Electro-Steel Co. Pvt. Ltd., Baltikuri (Surkimill), Kalitala, Howrah-711113	Approved as Part-I for Lock & Coupler Yoke Approved as Part-II for Coupler Body, Knuckle, Striker casting with wear plate, Back Stop, Articulated lock lift assembly	ADE
Annapurna Engineering, 59/18, Natabar Paul Road, Howrah-1	Approved as Part I for Universal Lock Lift Lever Connector, Lock lift lever hook and Yoke Pin Support	AE
Asansol Steel Castings Private Ltd., Sripur village road, PO- Ningha, Asansol, Distt.- Burdwan-713370	Approved as Part-II for Stiker Casting, Yoke Pin Support. Approved as Part-I for Back Stop	ASCPL
Atul Engineering Udyog, Nunhai, Agra-282 006	Approved as Part-I for Knuckle, Back Stop, Coupler Yoke, Coupler Body, Striker Casting(N.T.), Lock & Yoke Pin Support Approved as Part-II for Knuckle Thrower	AEU
Brand Alloys Ltd., NH-2, Delhi Road, Chatra, Sempore, Hooghly (W.B)-23	Approved as Part-II for Back stop, Yoke Pin support, Striker Casting with wear plate	BAL
Jagdamba Liquified Steels Ltd., Roorkee Saharanpur Road, 16-17 Km Milestone, Village- Raipur, Distt. Haridwar	Approved as Part-I for Back Stop Approved as Part-II for Striker Casting	JLS
Jai Multi Engg. Co., Village, Bhagwanpur, Barwala Road, Teh. Derabassi. Mohali, Pin- 140507 (Punjab)	Approved as Part-II for Striker Casting(N.T.) , Yoke Pin Support, Knuckle, Lock, Coupler Yoke, Coupler Body	JM
Krishna Engineering Works, 57/9, 'Q' Road, P.O. Netajigarh (Belgachia), Howrah-711108	Approved as Part I for Universal lock lift lever connector, Toggle, Lock lift lever hook, Lock lift lever rivet	KE
Lala Baba Industrial Corporation Pvt. Limited, 78, Lala Babu Shire Road, Belur, Howrah-711 202	Approved as Part I for Toggle, Lock lift lever hook.	LBIC
Raneka Industries Ltd., Plot No.15,16,17, Sector-3 (Sagore), Pithampur, Distt.- Dhar (MP) 454775	Approved as Part I for Back stop	RIL
Rausheena Udyog Ltd., (Engineering Divisiopn), Chaygaon Industrial Growth Centre, Village-Chatabari, P.O.- Birpara, Dist.-Kamrup, Assam-781123.	Approved as Part I for Knuckle, Coupler Body, Lock & Coupler Yoke	RUL
Rine Engineering Pvt. Ltd., Plot No. 73 AB&C, HPSIDC Ind.Area, BADDI-173 205, SOLAN, H.P.	Approved as Part I for Knuckle, Lock & Coupler Yoke, Coupler Body.	RN
Siena Engineering Pvt. Ltd., Plot No. 18A-22 and S-3/3, Sector-III, Sagore Kutti Road, Pithampur, Distt. Dhar-454775 (M.P.)	Approved as Part I for Coupler body, Lock, Knuckle, Coupler Yoke, Articulated lock lift lever assembly (Consisting of toggle, Lock lift lever Hook, Lock lift lever Connector) & Back stop (Drg. No. W/BD-699)	SN
NF Forgings Pvt. Ltd., Dhulagarh Industrial Park, N.H.-6, (Bombay Road), Dhulagarh, Sankrail, Howrah-711302, West Bengal.	Approved as Part I for Back stop (Drg. No. W/BD-699) Approved as Part II for Striker Casting (N.T.), Back stop (Drg. No. W/BD-699) & Yoke pin support.	NF

वण्डर डायरेक्टरी -क्यूएम -एम-7.1-1 Vendor Directory - QM-M-7.1-1	वधता- 01 जनवरी 2015 से 30 जून 2015 तक Validity - 01.01.2015 to 30.06.2015	पृष्ठ सं० 37 / 218 Page 37 of 218
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National Stores Supply Agency, P-280, Benaras Road, Belgachia, P.O.- Netajigarh, Howrah-711108	Approved as Part II for Yoke pin.	NSSA
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Note: i) Striker casting wear plate may be purchases either from any of the above approved manufactures.
ii) The vendors who are approved for Coupler body or Striker casting shall also be considered as approved for Coupler body with Shank wear plate or Striker casting with wear plate respectively. Approval category (Part I or Part II) shall remain unchanged.

26. **Alliance II coupler & its components** (Spec. 24-BD-79 with 3 Amendments- Amend. No. issued on Aug.91, Drg. No. SK-79555 Alt. 1, SK-79556 Alt. 6, SK-79557 Alt. 5)

	Alliance II Coupler & its components	SK-79555 Alt. 1
i)	Coupler body	SK-79556 Item 1
ii)	Knuckle	SK-79556 Item 4
iii)	Lock	SK-79556 Item 2
iv)	Knuckle thrower/kicker	SK-79556 Item-3
v)	Lock lift lever hook/ Rotary lever	SK-79556 Item 6
vi)	Toggle/Bottom lifter	SK-79556 Item 5
vii)	Striker casting	SK-79557 Item 1
viii)	Yoke pin support with wear plate	SK-79557 Item 3
ix)	Lock Lift Connector	SK-79556

Part I

1.	BESCO Ltd., 7B & C Poonam, 5/2 Russel Street, Kolkata-700 001.	BH	10500
2.	Raneka Industries Ltd., Plot No.15,16,17, Sector-3 (Sagore), Pithampur, Distt.- Dhar (MP) Pin-454775	RIL	4400
3.	Titagarh Wagons Ltd. (Unit: Titagarh Steels), 113, Park Street, Kolkata-700 016.	TITA	1152

Part II

1.	Siena Engineering Pvt. Ltd., Plot No. 18A-22 and S-3/3, Sector-III, Sagore Kutti Road, Pithampur, Distt. Dhar-454775 (M.P.)	SN	3000
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Sources for coupler components-

A. D. Electro-Steel Co. Pvt. Ltd., Baltikuri (Surkimill), Kalitala, Howrah-711113	Approved as Part-II for Coupler Body, Knuckle, Lock, Striker casting	ADE
Annapurna Engineering, 59/18, Natabar Paul Road, Howrah-1	Approved as Part-I for Yoke Pin Support with wear plate	AE
Siena Engineering Pvt. Ltd., Plot No. 18A-22 and S-3/3, Sector-III, Sagore Kutti Road, Pithampur, Distt. Dhar-454775 (M.P.)	Approved as Part-I for Kicker for Modified Alliance 2 Drg. No. SK-79556 Item 3 & Bottom Lifter for Modified Alliance 2. Drg. No. SK-79556 Item 5)	SN

Note: The vendors who are approved for Coupler body or Striker casting shall also be considered as approved for Coupler body with Shank wear plate or Striker casting with wear plate respectively. Approval category (Part I or Part II) shall remain unchanged.

27. **High tensile transition centre buffer coupler & its component for locomotives** (Spec. No. 56-BD-07 with Amend. No.1 of Sep'10 & Drg. No. SKDL-3430)

	Components of High tensile centre buffer coupler (for transition type)	Drawing no.
i)	Coupler Body	SK-62724, Item 18
ii)	Shank wear plate	SK-62724, Item 10
iii)	Knuckle	SK-62724, Item 2
iv)	Lock	SK-62724, Item 8
v)	Knuckle thrower	SK-62724, Item 9
vi)	Knuckle pivot pin	SK-62724, Item 4
vii)	Striker Block with wear plate	SKDL-508 Alt 4
viii)	Top lift hole cap	SK-62724, Item 11

ix)	Coupler yoke	SK-62724, Item 3
x)	Yoke pin	SK-62724, Item 12
xi)	Yoke pin support plate & yoke pin	SK.DL-890, Item 1&2
xii)	Clevis with handle	SK.DL-2496
xiii)	Clevis pin with washer	SK-69 508 Alt. 4
xiv)	Striker Casting TT	WA/BD-4461

Part I

1.	BESCO Ltd., 7B & C Poonam, 5/2 Russel Street, Kolkata- 700 001.	BH	7290
2.	Frontier Alloy Steels Ltd., KM 25/5 & 6 Kalpi Road, Rania, Kanpur Dehat-209304. Additional Works: Jamni Wala Road, Jamboo Khala, Tehsil Paonta Sahib, Distt. Sirmaur (H.P.)-173025	FAS	6000
3.	Hindusthan Engineering & Industries Ltd., 27, Sir R.N. Mukherjee Road, Kolkata-700 001	HEI	10750
4.	Raneka Industries Ltd., Plot No.15,16,17, Sector-3 (Sagore), Pithampur, Distt.- Dhar (MP) Pin-454775	RIL	6000
5.	Texmaco Rail & Engineering Limited (Steel Foundry), Belgharia, 24-Parganas, Kolkata-700 056	TEXMACO	7875
6.	* Titagarh Wagons Ltd. (Unit: Titagarh Steels), 113, Park Street, Kolkata-700 016.	TITA	6000

Part II

1.	Chittaranjan Locomotive Works, Steel Foundry, Chittaranjan, Distt.-Burdwan, West Bengal -713331.	CLW	600
2.	Jupiter Alloys & Steel (India)Ltd, Shahgunj, Chinsurah, Dist.-Hooghly-712104, West Bengal	JASIL	3000
3.	Orient Steel & Industries Ltd., 9, Gopal Ram Pathak Road, Liluah, Howrah-711204	OSIL	600
4.	Siena Engineering Pvt. Ltd., Plot No. 18A-22 and S-3/3, Sector-III, Sagore Kutti Road, Pithampur, Distt. Dhar-454775 (M.P.)	SN	3000
5.	* Titagarh Wagons Ltd., Heavy Engineering Division, P.O. Hindmotor, Distt. Hooghly-712233	TWL	4500

* Note: Firms "Titagarh Wagons Ltd. (Unit: Titagarh Steels)" at SN 6 in Part I and "Titagarh Wagons Ltd., Heavy Engineering Division" at SN 4 in Part II are allied / sister concern

Sources for coupler components-

Siena Engineering Pvt. Ltd., Plot No. 18A-22 and S-3/3, Sector-III, Sagore Kutti Road, Pithampur, Distt. Dhar-454775 (M.P.)	Approved as Part-I for Coupler Body, Lock, Knuckle, Coupler Yoke, Clevis with handle, Clevis pin with washer	SN
A. D. Electro-Steel Co. Pvt. Ltd., Baltikuri (Surkimill), Kalitala, Howrah-711113	Approved as Part-II for Coupler Body	ADE

Note: The vendors who are approved for Coupler body or Striker casting shall also be considered as approved for Coupler body with Shank wear plate or Striker casting with wear plate respectively. Approval category (Part I or Part II) shall remain unchanged.

28. High Capacity Draft Gear (Spec. 49-BD-08 of May'08 & Drg. No.WD-81010-S-03 Alt.10)

Part I

1.	BESCO Ltd., 7B & C Poonam, 5/2 Russel Street, Kolkata-700 001.	MK50	BH	11,500
2.	Bhilai Engineering Corporation Ltd., Hathkhoz Industrial Area, Bhilai (C.G.)-490026.	RF-361	BEC	1,200
3.	Burn Standard Co. Ltd., Howrah works, 20-22, Nityadhan Mukherjee Road, Howrah-711 101	RF-361	BS	3,050
4.	Frontier Alloy Steels Ltd., KM 25/5 & 6, Kalpi Road,Rania, Kanpur Dehat, , Kanpur (UP)	RF-361	FAS	10,800
5.	Hindusthan Engineering & Industries Ltd., 27, Sir R.N. Mukherjee Road, Kolkata-700 001.	RF-361	HEI	6,600
6.	Jupiter Alloys & Steel (India) Ltd., Shahgunj, Chinsurah, Dist.-Hooghly-712104, West Bengal	RF-361	JASIL	11,880
7.	Texmaco Rail & Engineering Limited (Steel Foundry) Belgharia,	RF-361	Texmaco	12,000

24 Parganas, Kolkata-700 056.			
8. Titagarh Wagons Ltd.(Unit: Titagarh Steels), 113, Park Street,Kolkata-700016	RF-361	TITA	4,140

Part II

1. Braithwaite & Co. Ltd., Angus Works, P.O. Angus, Distt. Hooghly-712221	RF-361	BWT	3,050
2. Raneka Industries Ltd., Plot No.15,16,17, Sector-3 (Sagore), Pithampur, Distt.- Dhar (MP) Pin-454775	RF-361	RIL	6,000

29. Knuckle pin with washer

Specification no.	Drawing no.
48-BD-2008 of May'08, 56-BD-07 with Amendment No. 1 of Sep'10, WD-70-BD-10(Rev.01) of Dec.'12	SK-62724 Alt. 23-Item 4
24-BD-79 with 03 Amendments (Amendment No. 3 issued on Aug'91)	SK-79556 Alt.6-Item 7

Part I

1. Aglow engineers, Howrah-Amta Road, Salap, Howrah-711 409.	AGE	1,800
2. Anand Sales Corporation, 6Poonamchand Bagaria Belly, Howrah 711005	ASC	40,000
3. Annapurna Engineering Works, 59/18, Natabar Paul Road, Howrah-711101	AE	34,000
4. Comet Technocom (P) Ltd., Naskarpara, Kalitala, Balitikuri, Howrah- 711113	CT	20,000
5. Cosmic Engineers, "Jalan Complex" , 29.5, Mile Stone, Begri, Domjur, Howrah-711411	CE	12,000
6. Eastern Engineering Industries, 40 'E' Road, Belgachia, P.O. Dasnagar, Howrah-711005	EEI	15,015
7. Engineering Trade Centre (I) Pvt. Ltd, 15/1, Dr. H.K. Chatterjee Street, Ghosuri, Howrah-711107	ETC	4,800
8. Krishna Engg. Works, 57/9, 'Q' Road, Netajigarh, (Belgachia) Howrah.	KE	40,000
9. Lal Baba Industrial Corporation Private Ltd., 78, Lala Babu Shire Road, Belur, Howrah-711 202	LBIC	9,600
10. Melbrow Engineering Works Pvt. Ltd., NH-6, Jalan complex, Gate No. 1, Jangalpur, P.O.- Biprannapara, Begri, Dojur, Howrah-711411	MEL	72,000
11. * NF Forgings Pvt. Ltd., 72, Lala Babu Shire Road, Belur, Howrah-711202.	NF	9,120

Part II

1. A. D.Electro-Steel Co. Pvt. Ltd., Baltikuri (Surkimill), Kalitala, Howrah-711113	ADE	6,228
2. Devvrat Industrial Corporation, Lakshmanpur Industrial Area, Vill + P.O.- Lakshmanpur, Via- Jagdishpur, P.S.Domjur, Howrah- 711323	DIC	4,800
3. Frontier Springs Ltd, (Forging Division), E-14, Panki Industrial Area, Site-1, Kanpur-208022, India 711707 (Approved for Drg. no. SK-62724 Alt. 23-Item 4 only)	FS	75,192
4. * Lal Baba Industrial corporation Private Ltd., (Unit-III), 40/107, Joy Bibi Road, Plot No.18 & 20 Ghosuri, Howrah-711707 (Approved for Drg. no. SK-62724 Alt. 23-Item 4 only)	LB	8,400

* **Note:** Firms "Lal Baba Industrial Corporation Private Ltd.," at SN 8 (Part I) and "Lal Baba Industrial corporation Private Ltd., (Unit-III)," at SN 3 (Part II) are **allied / sister concern**'

30. Yoke pin

Specification no.	Drawing no.
48-BD-2008 of May'08, 56-BD-07 with Amendment No. 1 of Sep'10, WD-70-BD-10(Rev.01) of Dec.'12	SK-62724 Alt. 23-Item 12
24-BD-79 with 03 Amendments (Amendment No. 3 issued on Aug'91)	SK-79556 Alt.6-Item 15

Part I

1. Anand Sales Corporation,6Poonamchand Bagaria Belly, Howrah 711005	ASC	18,000
2. Annapurna Engineering Works, 59/18, Natabar Paul Road, Howrah-711101	AE	2,000
3. Comet Technocom (P) Ltd., Naskarpara, Kalitala, Balitikuri, Howrah- 711 113	CT	10,000
4. Cosmic Engineers, "Jalan Complex" , 29.5, Mile Stone, Begri, Domjur, Howrah-711411	CE	3000