


Title: Selection and control of vendor having technical capability to supply loco, engine and electrical items

S.No.	Date of Amendment	Page No.	Version	Reason of amendments
1.	16.10.2002	4 of 6	1.1	To enlist vendors of repute where ever there is need/ shortage of vendors
2.	25.02.2003	6 of 6	1.2	Upward and downward linkages provided
3.	07.01.2004	2 of 6 6 of 6	1.3	Para 3.4 and para 9.3 modified.
4.	01.05.2004	All pages	2.0	The monthly supplement of Vendor Directory modified to as and when required, incorporating serial numbers of supplements to vendor directory. Inclusion of procedure for putting a vendor directory in Cat A. Change of approving authority for QSP-Vendor Control from CDE to CME
5.	31.08.2005	All pages	3.0	Unification of vendor directory.
6.	30.05.2007	All pages	4.0	Modification
7.	14.06.2007	6 of 6	4.1	Effective date of supplement
8.	05.07.2007	6 of 6	4.2	Reinstatement of deleted/ relegated firm.
9.	21.10.2008	All pages	5.0	Modification
10.	27.03.2009	All pages	6.0	Modification
11.	08.09.2010	All pages	7.0	Modification
12.	14.02.2011	9 of 14, 11 of 14	7.1	Provision of delisting notice is added.
13	15.03.2012	All pages	8.0	Para 4.2, 4.4, 5.1, 5.2, 6.1, 6.3, 6.6, 6.8 revised. Other paras updated.
14	27.06.2013	All pages	9.0	Para 4.3(b) removed. Para 5.1, 5.2, 5.3, 5.4 and 6.1, 6.2, 6.3 revised. Other paras updated.
15	26.07.2013	Page 8	9.1	Para 5.3.2 revised
16	16.08.2013	Page 14	9.2	Para 9.0 added
17	25.10.2014	All pages	10.0	Revised, approval delegated to CME
18	04.08.2017	All pages, Annexure A, B, C,D, E& F	11.0	1. As per Rly Bd's letter no. 99/Rs(G)/709/1, dtd:18.11.2016, Part-I & Part-II Categories of vendors are merged as "Approved Vendors". 2. MSE status, including whether they belongs to SC/ST category of entrepreneur, including in the proposed VD
19	04.05.2018	Page 2	11.1	Para 1.3 revised (period revised)
20	02.05.2019	All pages	12.0	Activity 4 & 5 Modified. ISO/TS 22163 added wherever any certificate required by supplier.
21	04.11.2020	All pages	13.0	Name of Diesel Locomotive Works (DLW) has been changed to Banaras Locomotive Works (BLW) vide Railway Board letter No. 2020/Elect.(TRS)/225/2, Dated:30.10.2020

Signature	
Approved by	PCEE

1. Purpose & Scope:

- 1.1** This QSP-Vendor Control is issued in supersession of the earlier QSP-Vendor Control Version 12.0
- 1.2** Purpose is to evaluate, enlist, review and control vendors having necessary capability to supply spares/items required for manufacture and maintenance of diesel locomotives (ALCO and HHP, as per specified requirements, including raw materials, electrodes etc.
- 1.3** Vendor directory would normally be published online (on BLW website) in July every year to be effective from 1st July to 30th June of the following year or till publication of next Vendor directory, whichever is later. Nevertheless, vendor review under special circumstances, as discussed at Para 6.1, 6.2 & 6.3 may be carried out every month and published online on the BLW Website.

2. Responsibility:

- 2.1** Vendor evaluation, enlistment, review and control are to be dealt with, in accordance with the procedure given in this QSP.

SN	Activity	Description	Responsibility	Reference
3.	Definitions	<p>3.1 Vendor Directory (VD): Vendor directory published by BLW covering items/ spares, raw materials and electrodes etc. required for manufacture/ maintenance of diesel locomotives.</p> <p>3.2 Developmental order: Purchase order for supply of any item, which has normally not been supplied earlier by the vendor to BLW. However, sometimes repeat developmental orders are also issued simply as developmental orders.</p> <p>3.3 Extended trial order: Any order placed subsequent to a developmental order(s) on a vendor who is not in approved vendor list.</p> <p>3.4 Approved vendor: A source (manufacturer) for placement of bulk orders for the spare/item approved in accordance with QSP-Vendor control.</p> <p>3.5 "JAG / SG / NF-SAG" Committee: A committee consisting of "JAG / SG / NF-SAG/NF-SAG" officers of Design/Production/ Material Control, Accounts & Stores, nominated by the competent authority as per Work Instructions no. W/DES/103 (Latest version). The concerned officer of Design /Prod./ Material Control would be the convener of the committee.</p>		

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		<p>3.6 PCME would be the approving authority of VD.</p> <p>3.7 "PO" means Purchase Order placed by BLW.</p> <p>3.8 "CPA" means Corrective and Preventive Action taken by BLW as per QSP.</p>		
4	Awareness about vendors, Quality Management System (QMS), VA form and delisting / restoration/ <i>requirements for Supplier selection and supplier approval</i>	<p>4.1 BLW becomes aware of vendors based on their online registration/ participation in a tender or through other relevant source/method.</p> <p>4.1.1 New firms /Vendors (manufacturers) have to submit / upload VA form online on the BLW website (www.dlw.indianrailways.gov.in). This information bank is used for evaluating the capability of the vendors. If there is a need for development of additional vendors for that item/category of items. The information available in VA form may also be referred during vendor review exercises and technical evaluation of vendor's offers in tender cases.</p> <p>4.2 Availability of valid Quality Management System (QMS) as per ISO 9001, TS16949 or ISO/TS 22163 or any equivalent QMS certification is mandatory for enlistment of all new vendors in the VD, except under special circumstances where waiver is granted in accordance with procedure specified at Para 4.2.1& 4.2.2</p> <p>Vendor's QMS as per ISO:9001/ ISO: 22163 or any equivalent QMS certification would be considered only if the scope of certification includes manufacturing of the item under consideration/ similar product(s)/relevant type of manufacturing e.g. steel forging, steel casting, heavy fabrication, heavy sheet metal fabrication, precision machining, electrical rotating machines etc, as the case may be.</p>	<p>Concerned Design/Prod/MC/ Purchase Officer</p> <p>Concerned Design/Prod/MC Officer</p> <p>Concerned Design/Prod/MC Officer</p>	

SN	Activity	Description	Responsibility	Reference
		<p>4.2.1 Vendor status of the existing vendors whose QMS are not certified to ISO 9001, TS16949 or ISO/TS 22163 any equivalent QMS certification but approved in the vendor directory, may be reviewed and delisted (only, if at least three other indigenous approved vendors are available) from VD and they are advised to obtain the same. Their vendor status may be restored as approved, once they submit proof of having obtained valid ISO 9001, TS16949, ISO/TS 22163 or equivalent certificate to CDE/D-loco /CME (P)/ CME (M), BLW (as the case may be).</p> <p>4.2.2 If QMS Certificate of an International vendor is not available, waiver may be granted with the approval of CDE/D-Loce /CME(M)/CME(P) (as the case may be).</p> <p>4.3 Micro and Small Enterprises (MSEs) status including SC/ST status of vendors shall be provided by Stores Department against the column 14 & 15 of Annexure A & B. (Railway Board's letter No. 2010/RS/(G)/363/1 dated 05.07.2012).</p> <p>4.4 Existing approved vendors shall be required to resubmit the VA form online through BLW portal at an interval of every 05 years. Their failure to submit VA form may lead to their status being reviewed and deleted from vendor directory if, at least three other approved Indigenous vendors are. For this also, the process as indicated at Para 5.1, 5.2 and 5.3 shall be followed.</p> <p>Further a vendor delisted due to non-availability of VA form, may be restored, if they submit the VA form online through BLW portal and offline to CME/P or CME/M (as the case may be).</p> <p>Competent authority of restoration of vendor status after receipt of valid VA will be CDE/D-Loce /CME(P)/CME(M), BLW (as the case may be).</p> <p>If VA form of a vendor of International/National repute/original design holder is not available, waiver may be granted with the approval of CME. This may be initiated by CDE/D-Loce /CME(M)/CME(P) (as the case may be) and put up for CME's approval.</p>	<p>Concerned Design/Prod/MC Officer</p> <p>Concerned Design/Prod/MC Officer</p> <p>Stores member of JAG / SG / NF-SAG committee</p> <p>Concerned Design/Prod/MC officer</p>	

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		<p>5.2.2 Certain items which are not complex and are similar in application and design and require the same process, skills and infrastructure have been clubbed together for vendor evaluation purpose. These items would be called “generic” items and would require tabulation as per Annexure- B of this QSP. Convener of the JAG / SG / NF-SAG committee shall furnish information in Column 01 to 13. Stores member shall furnish information in Column 14 to 17. Column 18 to 20 shall be filled jointly by the JAG / SG / NF-SAG committee’s members.</p> <p>5.3 Successful supply of 20 loco sets with satisfactory service of 10 loco sets for one year shall make a vendor eligible for consideration for inclusion as an approved vendor for the item (except for items covered under Annexure–D) following the procedure given in Para 5.2 above. However, vendor’s quality and supply performance shall also be considered by the committees while recommending enlistment as approved Vendor.</p> <p>5.3.1 In the case of generic items/ subgroup items/ clubbed items, the proven credentials of a firm against any item of the subgroup, would be considered eligible for similar items across the same subgroup.</p> <p>5.3.2 For certain items defined in Annexure D, minimum loco sets / minimum service life criteria shall be used for inclusion as approved vendor. However, vendor’s quality and supply performance shall also be considered by the committees while recommending enlistment as an approved vendor</p> <p>5.4 The supplied quantity of an item would be “deemed to complete” the qualifying service life criteria in case of items not fitted on locos or whose fitment details are not available, once it completes “T+4 months” from the date of accepted supply i.e. date of receipt order (where T is the qualifying service life of that item)</p>	<p>Concerned JAG / SG / NF-SAG Committee</p> <p>Concerned JAG / SG / NF-SAG Committee</p> <p>Concerned Design/Prod/MC Officer CDE</p>	

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		<p>5.5 Direct enlistment as approved Vendor even without execution of any PO, as a special case, can also be considered at the time of review. However, the reviewing committee / CDE/D-LoCo /CME(P) /CME(M) shall clearly bring out the reason(s) for such a recommendation for consideration/ comments / approval by PCME.</p> <p>5.6 Authorized agents/representatives/traders shall not be enlisted as approved vendors. Only OEMs/Manufacturers would be enlisted as an approved vendor in vendor directory.</p>	<p>Concerned JAG / SG / NF-SAG Committee</p> <p>Concerned JAG / SG / NF-SAG Committee</p>	
6.	Review of vendor status for inclusion/ delisting/ in VD	<p>6.1 Consolidated review for "Simple" items at annexure F shall be done once in a year for inclusion in vendor Directory at the time of publishing. However, the concerned Design /Production/ MC convener can also, recommend inclusion of vendors to tide over problems of non availability of materials due to inadequate vendors in between annual reviews. Such a review will be authorized by CDE/D-loco / CME(P)/ CME(M)</p> <p>6.2 Consolidated review for "Annexure D" items shall be done once in a year for inclusion/deletion in Vendor Directory at the time of publishing. However midterm review of "Annexure D" items for inclusion / deletion in BLW Vendor Directory shall also be done on the basis of urgent requirement (to be authorized by PCME/ CDE/D-loco) or, based on an application made to GM/PCME/CDE/D-loco, by the vendor for this purpose, provided it meets the specified qualifying quantity and service life criteria. List of items included in annexure D can be reviewed as & when required with the approval of CDE/D-LoCo.</p>	<p>Concerned DyCDE's/ DyCME</p> <p>Concerned JAG / SG / NF-SAG Committee</p>	

SN	Activity	Description	Responsibility	Reference
		<p>6.3 For the balance items review shall generally be done once in a year for inclusion / deletion in Vendor Directory at the time of publishing. However in special circumstances based on the need expressed by GM/PCME/COS/CME(P)/CDE/D-Loco/CME(M)/CQAM/CMM(Engine)/CMM(Loco)/CMM(HQ)/ mid-term review maybe carried out. Applications/ expression of need shall be forwarded to the concerned convener(s) of the JAG / SG / NF-SAG Committee by CDE/D-Loco /CME(P)/CME(M). Thereafter, where the change in status is warranted, the procedure laid down in para 5.2 & 5.3 above shall be followed.</p> <p>6.4 At the time of recommending inclusion of a vendor for any item, the convener of the JAG / SG / NF-SAG committee shall ensure that completed VA form of the vendor is available. However if the same is not available, and it is observed that vendor is of international /national repute / original design holder, then the same may be brought out by JAG / SG / NF-SAG committee during review for consideration as per Para 4.4.</p> <p>6.5 For approved vendors, review for deletion shall be done, as and when required, and issued through monthly supplements as reviewed by the committees and approval of CME as laid down under para 5.1, 5.2 and 5.3 above.</p> <p>The above review may be undertaken under following conditions: -</p> <p>i. Poor supply performance/ Non participation in BLW/ DMW/ ZRly's Tenders.</p> <p>ii. On the basis of field feedback received from Railway Board, RDSO, Zonal Railways, directly or through SIG cell, Non Railway Customers (including foreign Railway customers) through marketing.</p> <p>iii. Poor quality as reported by Shops/ Quality control organization.</p>	<p>Concerned JAG / SG / NF-SAG Committee</p> <p>Concerned MC/ Purchase officer/ Dy.CMM/Depot/ user Dy.CME to initiate.</p> <p>Concerned Design/Production/ MC officer</p> <p>Concerned Design/Prod/MC officer</p> <p>Concerned JAG / SG / NF-SAG Committee</p>	

SN	Activity	Description	Responsibility	Reference
		<p>iv. Withdrawal of ISO: 9001 equivalent certificates, as applicable, by the certifying body.</p> <p>v. The vendor is black listed / or business dealing is banned by Govt. of India or, any of its offices, on receipt of advice from Railway Board. In such cases, no show cause notice to the vendor is required. However, intimation shall be given.</p> <p>vi. The vendor is suspended by competent authority or a defined period due to unbecoming conduct.</p> <p>vii. If the specification or drawing is revised and the vendor is not upgrading the additional requirements of infrastructure, M&P, testing facilities, qualified personnel etc. within specified time frame.</p> <p>6.6 Before deletion of any vendor, a show-cause notice shall be given to the vendor enumerating the reasons for doing so and seeking for his representation, if any, within 21days from the date of issue of the notice (not required if notice has already been issued /vendor advised in past for not having QMS as per ISO 9001/ISO 22163 or any equivalent certification). After receipt of vendor's reply or expiry of show-cause notice period whichever is earlier, the case shall be put up to the concerned JAG / SG / NF-SAG committee for review by the officer sending the show-cause notice and dealt with in accordance with the procedure given in para 5.2 above.</p> <p>6.7 The effective date of monthly supplements shall be the 1st day of the month in which amendment has been issued.</p> <p>6.8 A Vendor once delisted on account of any issue except non submission of VA form & QMS certificates, shall not be considered for inclusion for next one year (from the effective date of CVD / monthly supplement).</p>	<p>Concerned JAG / SG / NF-SAG Committee</p> <p>Concerned Design / Production / MC officer</p> <p>Concerned Design / Production / MC</p> <p>Concerned JAG / SG / NF-SAG Committee</p> <p>DyCDE/Engine</p> <p>Concerned JAG / SG / NF-SAG Committee</p>	

SN	Activity	Description	Responsibility	Reference
7.	Uploading of Vendor Directory on BLW website	7.1 VD shall be uploaded on the BLW website (www.dlw.indianrailways.gov.in) and updated periodically after issue of amendments.	Concerned Design officer	
8	Change in name / Work Address of the vendor:	<p>8.1 Request of vendor for change of name: On receipt of request from the vendor for change of name, which is already on the approved vendor list, the same shall be processed after verification of the vendor's premises and documentation by the nominated BLW officials. However in case of vendors of international repute, whose premises are situated outside India, verification, to the extent possible, of relevant documents shall be done.</p> <p>If the BLW official is satisfied, based on the scrutiny of documents, like memorandum of article of association, list of tools, plants and machinery, availability of competent managerial and skilled workforce, quality control, undertaking by the new vendor for liability of old firm, resolution by board of directors, partnership deed, Certificate of Registrar of companies etc., he / she shall recommend for the change of name of the vendor through the concerned JAG / SG / NF-SAG committee after taking clearance of Legal cell (Law branch) and dealt as per procedure given in the para 5.2.</p> <p>8.2 Change in name in case of bifurcation of works: If change of name is done as a result of bifurcation of existing work premises, in addition to checking of documents as given in para 8.1, reassessment of the vendors involved, shall also be carried out by a BLW official before effecting the change of name of the vendor. Thereafter, it would be dealt in accordance with Para 8.1 above</p>	<p>Concerned Design/Prod/MC officer.</p> <p>Concerned Design/Prod/MC officer.</p>	

SN	Activity	Description	Responsibility	Reference
		<p>8.6 Communication to Vendor: Change of name / address shall be amended in VD and updated on BLW website through amendment (monthly supplements) and the vendor advised accordingly.</p> <p>8.7 Change of both name and address shall not be permitted at the same time.</p> <p>8.8 Actions as per Para 8.2 to 8.4 shall be taken in consultation with the Legal cell of BLW.</p>	Concerned Design/Prod/MC officer.	

Reference: - Apex Manual: Purchasing
ISO/TS 22163 clause no. 8.4
W/DES/103
W/DES/114

Annexure 'A' to QSP – Vendor Control (Version 11.1)

S. No.	Part No.	Part Description	Existing approved vendor(s)	Name of vendors not having QMS as per ISO-9001 or equivalent	Name of vendors whose ISO-9001 or equivalent certification has expired (validity upto)
1	2	3	4	5	6

Whether this item / product group/ manufacturing process is covered under the scope of ISO-9001 or equivalent certificate of the vendor	Name of vendors whose VA form is not available. Also specify if waiver is taken	RI-30 (for last one year)	M-13 (for last one year)	Proforma -A information (for last one year)	Performance feedback from Railways/ Shops/QA organization/ RDSO etc.	Any other information available with Design/MC/Production Office	MSE status of Vendors	If the vendor is MSE, whether it is owned by SC/ST Entrepreneur (Yes/ No)	Names of all vendors who have supplied this item to BLW (with nos. of loco sets executed)
7	8	9	10	11	12	13	14	15	16

Supply performance of vendors (to BLW)	Deliberations of JAG/SG committee	Proposed Revised Approved Vendor	Remarks (if any)
17	18	19	20

Annexure 'B' to QSP – Vendor Control (Version 11.1)

S. No.	Part No.	Part Description	Existing Approved vendors	Name of vendors not having QMS as per ISO-9001 or equivalent	Name of vendors whose ISO-9001 or equivalent certification has expired (validity upto)
1	2	3	4	5	6

Whether this item / product group/ manufacturing process is covered under the scope of ISO-9001 or equivalent certificate of the vendor	Name of vendors whose VA form is not available. Also specify if waiver is taken	RI-30 (for last one year)	M-13 (for last one year)	Proforma-A information (for last one year)	Performance feedback from Railways/ Shops/QA organization/RDSO etc.	Any other information available with Design/MC/Production Office	Status of MSEs of Vendors (Also specify SC/ST status)	If yes, Whether it is owned by SC/ST Entrepreneur (Yes/ No)
7	8	9	10	11	12	13	14	15

Names of unapproved vendors who have supplied any of the items to BLW in the last 5 years (with nos. of loco sets executed)	Supply performance of approved vendors of the group in the last 2 years (to BLW)	Deliberations of JAG/SG committee	Proposed Revised Approved Vendor	Remarks (if any)
16	17	18	19	20

Annexure 'C' to QSP – Vendor Control (Version 11.0)

S. No.	Part No.	Part Description	Existing Approved vendors	Name of vendors not having QMS as per ISO-9001 or equivalent	Name of vendors whose ISO-9001 or equivalent certification has expired (validity up to)
1	2	3	4	5	6

Whether this item / product group/ manufacturing process is covered under the scope of ISO-9001 or equivalent certificate of the vendor	Name of vendors whose VA form is not available. Also specify if waiver is taken	Performance feedback from Railways/ Shops/QA organization/RDSO etc.	Any other information available with Design Office	If any application made by vendor for inclusion / upgradation	Deliberations of JAG/SG committee
7	8	9	10	11	12

Proposed Approved Vendor	Remarks (if any)
13	14

List of Items with Minimum Quantity and Service life Criteria

SN	Part Description	Part No.	Qualifying Quantity & Period for approval
1	Gauge 4" Control Air	11445555	30 loco sets & complete 01 year service
2	Gauge 4" Duplex Air Pressure (MR & FP)	11445476	30 loco sets & complete 01 year service
3	Gauge 4" Single Air Pressure (BC)	11445488	30 loco sets & complete 01 year service
4	Gauge 6" Single pressure (B.P)	11445518	30 loco sets & complete 01 year service
5	Turbo charger 2300 HP	10082438/ 10082451	30 loco sets & 05 loco sets to complete 03 years service
6	Bushing (Cam Shaft)*	10150080	30 loco sets & complete 01 year service
7	Bushing (Piston Pin)*	10150092	30 loco sets & complete 01 year service
8	Bushing Out Board Bearing Hsg	10150833	30 loco sets & complete 01 year service
9	BRAKE RIGGING KIT	17022678	30 loco sets
10	Gauge 4" Single Air Pressure (MR)	11445490	30 loco sets & complete 01 year service
11	CAB HEATER SPEC. NO. WDG4/EL/PS/29	18280031	20 to complete one years service
12	Turbo charger 1350 HP	10083704	30 loco sets & 05 loco sets to complete 03 years service
13	Gear Camshaft	16140310	40 loco sets & 10 loco sets to complete 1year service
14	Gear Crank shaft	16140266	40 loco sets & 10 loco sets to complete 1 year service
15	Gear Drive 24 teeth Gov. Drive	16141040	
16	Gear Lower Idler	16141210	
17	Gear Ring	16191900	
18	Gear Turbo Drive	16140989	
19	Gov. Drive Gear Asm	16050423	
20	Gear Carrier Drive	16210426	
21	Gear Planetary Ring	16141192	
22	Gear Turbo idler	16141490	
23	Gear Asm accessory Drive	16030564	
24	Gear ASM –Acc Drive	16050010	
25	Planet Gear Set	16210207	40 loco sets & 10 loco sets to complete 01 year service
26	Crank Shaft 6 Cyl.	10141110	30 loco sets & 05 loco sets to complete 03 years service
27	Bearing Half-Camshaft*	16150119	30 loco sets & 10 loco sets to complete 01 year service
28	Bearing Half-Camshaft*	16150120	30 loco sets & 10 loco sets to complete 01 year service
29	Bearing Turbine*	16150454	30 loco sets & 10 loco sets to complete 01 year service
30	Bearing Compressor sfd.*	16150284	30 loco sets & 10 loco sets to complete 01 year service
31	Bearing Spherical Seal*	16150442	30 loco sets & 10 loco sets to complete 01 year service
32	Bearing*	16150430	30 loco sets & 10 loco sets to complete 01 year service
33	Flange*	16080634	30 loco sets & 10 loco sets to complete 01 year service
34	Bearing Insert*	16150090	30 loco sets & 10 loco sets to complete 01 year service
35	Bearing Thrust*	16150314	30 loco sets & 10 loco sets to complete 01 year service
36	Bushing-Camshaft Br.*	16150144	30 loco sets & 10 loco sets to complete 01 year service
37	Bearing	16150247	30 loco sets & 10 loco sets to complete 01 year service
38	Bearing-Idler G	16150235	30 loco sets & 10 loco sets to complete 01 year service
39	Bearing-Idler G	16150223	30 loco sets & 10 loco sets to complete 01 year service
40	Aftercooler Asm	16080919	30 loco sets with 20 loco sets to complete 01 year of service
41	Lube oil cooler	17050534	30 loco sets with 20 loco sets to complete 01 year of service
42	Fuel Pump Motor 1.5 HP 75 Volts DC	12102076	30 loco sets with 20 loco sets to complete 1 year of service
43	A.C.Fuel Pump Motor	12102120	30 loco sets & 05 loco sets to complete 02 years service
44	AC Dust Collector Blower(LH)	11665324	30 loco sets & 05 loco sets to complete 02 years service
45	AC Dust Collector Blower(RH)	11665312	30 loco sets & 05 loco sets to complete 02 years service
46	A.C.Crank Case Motor	12102131	30 loco sets & 05 loco sets to complete 02 years service
47	Crank Case Exhauster Unit(B.G.) DC	12100249	30 loco sets with 20 loco sets to complete 1 year of service
48	Crank Case Exhauster Unit(M.G.) DC	12100250	30 loco sets with 20 loco sets to complete 1 year of service
49	Eddy Current Clutch Sch.No. 00005 / EL/PT/0637	12440127	30 loco sets with 20 loco sets to complete 1 year of service
50	Eddy Current Clutch Sch.No. 00005 A	12440115	30 loco sets with 20 loco sets to complete 1 year of service
51	Blower Motor	17050054	30 loco sets & 20 loco sets to complete 02 years service
52	Turbo Lube oil Soak Back Pump Motor (DC)	16060222	30 loco sets with 20 loco sets to complete 1 year of service
53	Modified Larger After Cooler	10082785	30 loco sets with 20 loco sets to complete 01 years service
54	Exh. Manifold Assly. (16 Cyl.Eng)	10080892	20 loco sets to complete one year of service
55	Main Base	10021267	20 loco sets
56	Machining of Con Rod ASM	10030050	30 loco sets
57	Exhaust Manifold Ap	16360175	20 loco sets to complete 1 year of service
58	Camshaft Asm-LB	16030308	30 loco sets & 10 loco sets to complete 01 year service
59	Camshaft Asm-RB	16030310	30 loco sets & 10 loco sets to complete 01 year service
60	Clutch Dowelling ASM	17240074	30 loco sets & 10 loco sets to complete 01 year service
61	Con Rod-Blade	16140308	30 loco sets & 10 loco sets to complete 01 year service
62	Con Rod ASM-Fork	16030059	30 loco sets & 10 loco sets to complete 01 year service
63	Spring Exhaust Valve	16160034	30 loco sets & to complete 01 year service
64	Valve-Exhaust	16240066	30 loco sets & to complete 01 year service

SN	Part Description	Part No.	Qualifying Quantity & Period for approval
65	Cylinder Liner Stud ASM*	19110017	30 loco sets & 10 loco sets to complete 01 year service
66	Oil Pan Machining Asm	16020534	20 loco sets & to complete 01 year service
67	Bonded Rubber Sandwitch Mounting	11270019	20 loco sets & to complete 01 year service
68	Traction Motor Blower (Rear & Front)	11434466 11052284 11458525 11055870	30 loco sets with 20 loco sets to complete 1 year of service
69	Brake Cylinder MTG 'X'	11360239	30 loco sets & to complete 01 year service
70	Brake Cylinder MTG 'Z'	11360227	30 loco sets & to complete 01 year service
71	Main Reservoir 350 lts.(RH) MR-II	11663522	30 locosets & to complete 01 year service
72	Fuel Tank Asm for WDG4	17036800	20 loco sets & 05 loco sets to complete 02 years service
73	Reservoir Main For WDG4	17450986	30 locosets & to complete 01 year service
74	TURBO DOWELLING ASM	16080579	20 loco sets & 10 loco sets to complete 01 year service
75	TURB WHL-IMPLR BAL ASM	16080385	20 loco sets & 10 loco sets to complete 01 years service
76	CONTROL CONSOL NO. 1 (WDG4)	18000060	20 loco sets & 10 loco sets to complete 01 year service
77	CONTROL CONSOL NO. 2 (WDG4)	18000071	20 loco sets & 10 loco sets to complete 01 year service
78	BOOSTER PUMP & MOTOR ASSY	16241526	30 loco sets & 10 loco sets to complete 01 year service
79	PISTON PIN*	16141441	30 loco sets & 10 loco sets to complete 01 year service
80	ENGINE COUPLING DISC	16191882	40 loco sets & 10 loco sets to complete 01 year service
81	LUBE OIL SCAVENGING PUMP ASM.	16060090	30 loco sets & 05 loco sets to complete 02 years service
82	LUBE OIL PRESSURE PUMP ASM.	16060027	30 loco sets & 05 loco sets to complete 02 years service
83	Soak Back Pump ASM	16060210	30 loco sets & 10 loco sets to complete 01 years service
84	CYL POWER ASM-BLADE*	16350029	30 loco sets & 10 loco sets to complete 01 year service
85	LOCOMOTIVE SPEED SENSOR (RADAR ASSEMBLY)	18030294	20 loco sets loco sets to complete 01 year service
86	CYL POWER ASM-FORK*	16350017	30 loco sets & 10 loco sets to complete 01 year service
87	UNLOADER PANEL ASSEMBLY	17062263	20 loco sets to complete 01 year service
88	CAM SHAFT BLOCK & CAP ASM KIT	16030540	20 loco sets & 10 loco sets to complete 01 year service
89	<i>BRAKE RIGGING KIT</i>	17021182	30 loco sets & 10 loco sets to complete 01 year service
90	<i>BRAKE CYLINDER ASM kit</i>	17020890	30 loco sets & 10 loco sets to complete 01 year service
91	<i>PIVOT ASM.</i>	17020270	30 loco sets & 10 loco sets to complete 01 year service
92	CONTROL CONSOLE OF CAB-1 FOR DUAL CAB LOCOMOTIVE	18002365	20 loco sets & 10 loco sets to complete 01 year service
93	CONTROL CONSOLE OF CAB-2 FOR DUAL CAB LOCOMOTIVE	18002377	20 loco sets & 10 loco sets to complete 01 year service
94	Base rail	16191778	20 loco sets (40 Nos.) & 10 loco sets to complete 1 year service
95	TURBO INLET SCROLL ASM	16080701	20 loco sets & 10 loco sets (10 nos) to complete 1 year service
96	T.M. AIR DUCT ASM	17031904	20 loco sets to complete 03 years Service
97	RETAINER CYLINDER HEAD	16140011	20 loco sets to complete 1 year service
98	CAMSHAFT DRIVE HOUSING M/C ASM	16030412	30 loco sets with 05 loco sets to complete 01 years service
99	CHANNEL	16191780	20 loco sets to complete 1 year month service
100	FRAME & LATCH ASSLY LB	16030333	30 loco sets with 10 loco sets to complete 01 years service
101	LUBE OIL STAINER ASM.	16060118	20 loco sets & 10 loco sets to complete 01 years service
102	FRAME & LATCH ASSLY RB	16030382	30 loco sets with 10 loco sets to complete 01 years service
103	UNDERFRAME (WDG3A)	11036163	20 loco sets and 05 loco sets to complete 02 years service
104	COVER ACCESSORY DRIVE	16130224	30 loco sets with 10 loco sets to complete 1 year of service
105	Cylinder block (Fully machined) 16 cyl.	10020070	20 loco Sets and 02 loco sets to complete 02 years service
106	COVER AND SEAL ASSLY	16030278	30 loco Sets with 10 loco sets to complete 01 years service
107	ROCKER ARM SUB ASM- EXHAUST	16040041	20 loco sets & 10 loco sets to complete 01 years service
108	PAD ASM-LAT THRUST	17020244	20 loco sets to complete 03 years service
109	Pad Asm Lateral thrust	17022708	20 loco sets to complete 03 years service
110	FUEL INJ NOZZLE & HOLDER	10050024	20 loco sets to complete 01 years service
111	EXPANSION JOINT ASM	16240777	40 loco sets with 10 loco sets to complete 02 years service
112	CLUTCH DRIVE ASM.	16060490	20 loco sets & 10 loco sets to complete 01 year service
113	FUEL PUMP	17454633	30 loco sets and 05 loco sets to complete 2 years service
114	IDLER-STUBSHAFT ASM	16030473	20 loco Sets & 10 loco sets to complete 01 years service
115	NOZZLE RING	16080610	20 loco Sets & 10 loco sets to complete 01 years service
116	AIR DUCT ASM.(RB)	16080063	25 loco sets & 10 loco sets to complete 1 year service
117	FUEL INJECTION PUMP	10052197	20 loco sets to complete 01 years service
118	FLOOR FRAME ASSLY(WDS6AD)	11534783	10 loco sets and 05 loco sets to complete 2 years service
119	ROLLER ASM. CAM FOLLOWER	16140357	20 loco sets with 10 loco sets to complete 01 years service
120	AIR DUCT ASM.(LB)	16080105	25 loco sets & 10 loco sets to complete 1 year service
121	DAMPER ASSEMBLY	16030023	20 loco sets & 10 loco sets to complete 01 years service
122	PLATE CAM	16140837	40 loco sets & 10 loco sets to complete 01 years service
123	TOP DECK END ROUGH FORGING	16140096	20 loco sets to complete 1 year service
124	Top Deck Centre rough forging	16140102	20 loco sets to complete 1 year service
125	INLET TUBE ASM	16050253	40 loco sets & 10 loco sets to complete 01 year service

SN	Part Description	Part No.	Qualifying Quantity & Period for approval
126	TUBE ASM	16060271	20 loco sets & 10 loco sets to complete 01 years service
127	DIFFUSER ASM	16121764	20 Loco Sets & 10 loco sets to complete 01 years service
128	ROCKER ARM SUB AY-I	16040120	20 loco sets & 10 loco sets to complete 01 years service
129	EXHAUST DUCT ASM	16080452	20 Loco Sets & 10 loco sets to complete 01 years service
130	SUPPORT DRIVE	16140394	40 Loco Sets with 10 loco sets to complete 01 years service
131	AFTER COOLER CORE	16080531	40 Loco Sets & 20 loco sets to complete 01 year service
132	COVER ASM HAND HOLE	16020406	20 Loco Sets to complete 1 year service
133	COVER ASM HAND HOLE	16020522	20 Loco Sets to complete 1 year service
134	SUPPORT - ROCKER ARM	16130030	20 Loco Sets to complete 01 years service
135	AIR VALVE	10245807	30 loco sets to complete 01 years service
136	EXPANSION JOINT ASM	16240807	40 Loco Sets & 10 loco sets to complete 02 years service
137	VALVE BRIDGE ASSEMBLY	16040053	20 Loco Sets to complete 01 years service
138	SHAFT CARRIER	16210190	30 Loco Sets & 10 loco sets to complete 1year service
139	CORE LUBE OIL COOLER	17453252	30 loco sets with 20 loco sets (20 nos) to complete 01 year service
140	SHROUD ASSLY	16080488	20 Loco Sets & 10 loco sets to complete 01 year service
141	ROCKER ARM ASM-INJ R/C SN. 241	16040119	20 Loco Sets & 10 loco sets to complete 01 year service
142	FUEL TANK ASM 5000 LTR	17033433	20 Loco Sets and 05 Loco sets to complete 2 years service
143	LED BASED CAB LIGHT WITH SPOT LIGHT	18361353	40 nos with 20 nos to complete 01 year service
144	COOLING FAN	18650016	40 nos supply with 20 nos to complete 01 year service
145	PANEL EQUIPMENT	18200011	20 loco Sets to complete 01 year service
146	SENSOR ASM 1000 RTD	18640023	20 loco Sets to complete 01 year service
147	AIR WHISTLE TO DRG NO 10585230	17451243	30 loco sets & 10 loco sets to complete 01 year service
148	AIR START RESERVOIR TO DRG NO. 40175322	17456228	30 loco sets & 10 loco sets to complete 01 year service
149	BRAKE SHOE KEY TO DRG. NO. 9501303	17453227	30 loco sets & 10 loco sets to complete 01 year service
150	BRAKE RIGGING KIT	11520334	30 loco sets complete 01 year service
151	BRAKE RIGGING KIT	11020428	30 loco sets complete 01 year service
152	WIPER MOTOR ASM KIT CONSISTING 04 ITEMS	17454955	20 loco sets and 10 loco sets to complete 01 years service.
153	WIPER MOTOR ASM KIT CONSISTING OF 05 ITEMS	17454967	20 loco sets and 10 loco sets to complete 01 years service.
154	DEE SHACKLE WITH CONNECTION PIN TO DRG NO TPL- 5438	11026224	30 loco sets complete 01 year service
155	SHACKLE ASSLY TO DRG NO TPL- 2745	11028646	30 loco sets complete 01 year service
156	SHACKLE ASSLY	17020645	30 loco sets & 10 loco sets to complete 01 year service
157	BRAKE HEAD ASSEMBLY	17020440	30 loco sets & 10 loco sets to complete 01 year service
158	LINK MACH TO DRG NO 40076440	17021893	30 loco sets & 10 loco sets to complete 01 year service
159	GEAR CASE ASSLY. WITH HARDWARE, FELT SEAL GASKETS AND TPU SEAL (TOP & BOTTOM) DRG NO 12087841	12087841	30 loco sets & to complete 01 year service
160	GEAR CASE ASSLY KIT TO DRG NO. K-1745012	17453793	30 loco sets & 10 loco sets to complete 01 year service
161	T.M Air Duct Asm (Leather)	17022460	20 loco sets to complete 03 years service
162	Car Body Rod Asm	17021420	30 loco sets & 10 loco sets to complete 01 year service
163	Plate- Asm	17020232	30 loco sets & 10 loco sets to complete 01 year service
164	Carrier-Piston Pin for HHP Locomotive	16141430	25 loco sets & 10 loco sets to complete 1 year service
165	Crank shaft 16 Cylinder	16140163	36 loco sets, subject to the condition that 5 initial crankshafts (prototypes) have successfully completed 4 years in field. OR 36 loco sets, three years subject to successful fatigue testing of the Crankshaft
166	Crank shaft 20 Cylinder	16142196	36 loco sets, subject to the condition that 5 initial crankshafts (prototypes) have successfully completed 4 years in field. OR 36 loco sets, three years subject to successful fatigue testing of the Crankshaft
167	Cylinder Head Stud Assembly	16040028	20 loco sets & 10 loco sets to complete 1 year service
168	Piston	16120073	25 loco sets & 10 loco sets to complete 1 year service
169	Ring set, Piston Engine	16030618	20 loco sets & 10 loco sets to complete 1 year service
170	Mechanical unit Injector Assembly	16241186	20 loco sets & 10 loco sets to complete 1 year service
171	Governors complete (WW) 4500 HP	16340036	50 nos & 5 nos to complete 1 year service
172	Secondary Filter casing ASM for WDG5	17049039	100 loco sets & 10 loco sets to complete 1 year service
173	Radiator Mechanical Bonded	11458227	30 loco sets & 05 loco sets to complete 02 years service
174	Radiator Assembly LH for WDG5	17455546	50 loco sets & 8 loco sets to complete 1 year service
175	Radiator Assembly RH for WDG5	17455558	50 loco sets & 8 loco sets to complete 1 year service
176	Auxiliary Compressor for WDG5	17456253	50 nos. & 3 nos to complete 2 year service
177	Blower of Traction motor	17051253	20 nos. & 5 nos to complete 1 year service
178	Pump Fuel for WDG5	17455832	20 nos. & 5 nos to complete 1 year service
179	Radial DB Hatch Assly. for WDG5	18001210	20 loco sets supply & 10 loco sets to complete 1 year service
180	Radiator Cooling Fan Assly. (54")	18090060	45 loco sets supply & 10 loco sets to complete 1 year service
181	Traction Motor Blower #1 ASM for WDG5	17456496	20 loco sets supply & 10 loco sets to complete 1 year service

SN	Part Description	Part No.	Qualifying Quantity & Period for approval
182	Traction Motor Blower # 2 ASM for WDG5	17455571	20 nos. supply & 10 nos to complete 1 year service
183	Main Generator Motor Blower ASM for WDG5	18090047	20 loco sets supply & 10 loco sets to complete 1 year service
184	Generator Auxillary	18040020	20 loco sets supply & 10 loco sets to complete 1 year service
185	54" Cooling fan assembly	18090023	45 loco sets supply & 10 loco to complete 1 year service
186	52" Cooling fan assembly	17450391	45 loco sets supply & 10 loco to complete 1 year service
187	Classification Light LED type	18360774	100 nos & 16 nos to complete 1 year satisfactory service
188	Dynamic Braking Grid, Fan tap	18250040	20 loco sets supply & 10 loco to complete 1 year service
189	Dynamic Braking Grid, Non Fan tap	18250038	20 loco sets supply & 10 loco sets to complete 1 year service
190	Head Light	18360683	100 supply & 05 nos to complete 1 year service
191	Dynamic Braking fan assembly	17451759	20 loco sets supply & 10 loco sets to complete 1 year service
192	64 Volt, DC Cranking Motor	18090011	20 nos. supply & 10 nos to complete 1 year service
193	Power Lead marker light	12365762	200 nos. supply & 08 nos. to complete 1 year service
194	Piston Ring Set (Plasma Plated)	10031534	25 loco sets & 10 loco sets to complete 1 year service
195	Piston Ring Set-3RV-16CYL	10031558	25 loco sets & 10 loco sets to complete 1 year service
196	Cylinder liner -3RV KIT-16cyl consisting 03 items - non-chrome plated liner(pt. No- 10125036 , sleeve(pt. No- 10124998) & fire ring (pt. No- 10124946).	10031662	25 loco sets & 10 loco sets to complete 1 year service
197	Cylinder Head251 Plus with 27 components	10040353	20 loco sets & 10 loco sets to complete 1 year service
198	Turbocharger 16 Cyl.	10083479	25 loco sets & 10 loco sets to complete 1 year service
199	Crankshaft 16 Cylinder Alco engine	10141790	20 loco sets & 10 loco sets to complete 1 year service
200	Crankshaft 12 Cylinder Alco engine	10141935	20 loco sets & 10 loco sets to complete 1 year service
201	Steel cap piston -3RV-16CYL	10143014	25 loco sets & 10 loco sets to complete 1 year service
202	Plate type lube oil Cooler for ALCo locomotives	11457260	20 loco sets & 10 loco sets to complete 1 year service
203	LED based Flasher light unit for Alco Locomotive	12365877	100 loco sets supplied and 10 loco sets to complete 01 year service.
204	Gauge, Differentiat pressure, Lube oil filter ALCo locomotives (conventional & self-cleaning automatic)		30 loco sets & complete 01 year service

*A minimum of 02 loco sets shall be required to be open at least after 02 years of service and examined for their condition before placing the product in question in approved category

SIMPLE ITEMS

Loco Items

SN	Description	Part No
1	INSULATOR	18530011
2	Lug Terminal	12346639
3	Lug Terminal	12346640
4	Lug Terminal	12346718
5	Lug Terminal	12346743
6	Lug Terminal	12346792
7	Lug Terminal	12346809
8	Lug Terminal	12346810
9	Lug Terminal	12346688
10	Lug Terminal	12346974
11	Lug Terminal	12347061
12	Lug Terminal	12346986
13	Lug Terminal	12340431
14	Lug Terminal	12346706
15	Wire Terminal	12347073
16	Wire Terminal	12347085
17	Wire Terminal	12347097
18	Wire Terminal E-Beam Cable	12347115
19	Wire Terminal	12347140
20	Wire Terminal	12347152
21	Wire Terminal	12347190
22	Lug Terminal E-Beam Cable	12346720
23	Lug Terminal E-Beam Cable	12347024