

RWF PRODUCT MIX-WHEEL, AXLE& WHEELSETS

I. WHEELS

A) Loco Application:

Gauge	Description	Drawing Number	Fully developed	Under Trial	Under development	Remarks
BG	1098 mm dia BG Loco (Rough) - WDM2, WDM3A, WDM3D, WCG2, WCAM1, WCAM3, WCAG1, WAP1, WDP1, WDP2, WDG3A, WAM4, WAG7, WAG5, WAP4 Locos.	WAP/SK/M-336	Yes	---	---	Drg. Approved in 2002 for regular use and 1666 wheels were monitored by RDSO since 2012 - TTCI validated the design in 2002.
	1098 mm dia for ABB Loco (Rough)	WAP/MISC/M-944	---	---	YES	Drawing along with FEA report sent to RDSO for comments during December 2012
	1098 mm dia for GM Loco (Rough) - WDG4 Loco	RWF-W-106	---	---	YES	
MG	970 mm dia MG Loco (Rough)	WAP-W-032	Yes	---	---	Drawing approved by RDSO in 2002

B) Freight Application:

Gauge	Description	Drawing Number	Fully developed	Under Trial	Under development	Remarks
BG	840 mm dia Container Flat Wagon - 20.3 t axle load.	WAP-W-004	Yes	---	---	RWF fully developed and RDSO approved
	915 mm dia BG Defence	WAP-W-058	Yes	---	---	-- do --
	915 mm di BG Wagon	WAP/SK/M-152	Yes	---	---	-- do --
	1000 mm dia BOX-N	WAP/SK/M-153	Yes	---	---	-- do --
	1000 mm dia BG BOX	WAP/SK/M-154	Yes	---	---	-- do --
	1000 mm dia – 25t axle load wheel	WD-07012-S-03	----	Yes	----	Not approved
	840 mm dia for 25t axle load wheel (Developed based on FEA done by RWF) upgraded to 25t axle load.	WAP-W-004	----	Yes	----	RDSO vide letter No. MW/WA/25T, Dated 25/6/2015 approved for using these wheels for 25t axle load wagon for K class CTRB wagons.
	1090 mm dia wheel for Milk Tank for RMT	RWF/SK/M-155	----	----	Yes	Approved by RDSO.
MG	725 mm dia MG Wagon	WAP/SK/M-151	Yes	----	----	RWF developed and RDSO approved.

C) Passenger Applications:

Gauge	Description	Drawing Number	Fully developed	Under Trial	Under development	Remarks
BG	958 mm dia EMU wheel (TC) (Rough)	RWF-W-111	Yes	----	----	Approved by RDSO
	958 mm dia EMU wheel (Rough) (MC)	RWF-W-111	----	Yes	----	Approved by RDSO
	958 mm dia EMU wheel (Rough) for Milk Tank use	RWF-W-111	----	YES	----	RDSO approved for usage of these wheels in Milk Tank wagon in 2015.
	921 mm dia BG Coaching (Rough)	WAP/SK/M-343	Yes	----	----	RWF developed and RDSO approved
	915 mm dia LHB	RWF-W-101	----	Yes	----	Approved by RDSO for speed upto 110 kmph but not approved for speed upto 130 kmph
	866 mm dia for Kolkata Metro	RWF-W-102	----	----	Yes	Under field trial by RDSO
MG	731 mm dia MG Coaching (Rough)	WAP-W-031	Yes	----	---	RWF developed and RDSO approved. Nilgiri wheels (NMR) 100 nos supplied during March 2015
	844 mm dia DEMU MG	WAP-W-062	----	----	Yes	RWF developed these wheels for customer order through RITES and sent these to Senagal in 2010. Subsequently RDSO advised to modify the drawing with groove in hub for fitment of TM guard. Accordingly, RWF modified the drawing and sent to the RDSO approval in July,2010 RDSO approval is awaited.

II. AXLES

A) Loco Application:

Gauge	Description	Drawing Number	Fully developed	Under Trial	Under development	Remarks
BG	WDM-2C	D/WL-5058/R	Yes	---	---	Drawings provided by RDSO, RWF manufactured these axles on regular basis.
	WDM-2	WAP/SK/MA-245	Yes	---	---	RWF developed as per RDSO drawing.
	WAG-7	06/2/11/2	Yes	---	---	CLW drawing manufactured by RWF.
	WDP-2	TPL-6687	Yes	---	---	DLW drawing manufactured by RWF.
	TAO-659	SKEL-4516, WAP-A-085	Yes	---	---	-do-
	WDP-1 & WDG-2	TPL-5868	Yes	---	---	-do-
	WDG2 & WDG3	TPL-6292, WAP-A-109	Yes	---	---	-do-
	WAP-1, WAP-4	03/2/11/55, WAP-A-090	Yes	---	---	CLW drawing, manufactured by RWF.
	WAG-9	1209-01-11-054, WAP-A-016	Yes	---	---	-do-
	WAP-5	1210-01-311-025	Yes	---	---	-do-
	WDP-4	40088369, WAP-A-120	Yes	---	---	DLW drawing, manufactured by RWF.
	WDG-4	WAP-A-065	Yes	---	---	-do-
X Class	RWF-A-161	Yes	---	---	Supplied to GOC in the year 2009 & 2011.	
MG	VDM-4	RWF-A-145	Yes	---	---	RDSO drawing ,manufactured by RWF.

B) Freight Application:

Gauge	Description	Drawing Number	Fully developed	Under Trial	Under development	Remarks
BG	BOX N - 22.9t	WD-89025-S-02	Yes	---	---	Drawings provided by RDSO, RWF manufactured these axles on regular basis.
	25T axle suitable for k class CTRB	WD-15020/S-02	---	YES	---	RDSO vide letter No. MW/WA/25T, Dated 25/6/2015 approved for using 25t axle load wagon for K class CTRB wagons.
	25t axle load axle	WD-07012-S-02	---	Yes	---	4 wheelset were sent to SCR during 2009 for trials due to infringement in bogie fitment trial not concluded with RDSO – Not approved by RDSO

C) Passenger Applications:

Gauge	Description	Drawing Number	Fully developed	Under Trial	Under development	Remarks
BG	BG EMU axle (MC)	DC/EMU-M-0-1-005	Yes	---	---	ICF drawing and manufactured by RWF
	BG EMU axle (MC) MEMU	EMU/M-0-1-025	Yes	---	---	ICF drawing and manufactured by RWF
	BG EMU TC axle	AC/DC/EMU/02-024-001	Yes	---	---	ICF drawing and manufactured by RWF
	EMU axle for Milk Tank Wagon	AC/DC/EMU/D2-0-2-205	---	Yes	---	Approved by RDSO for using in Milk Tank in 2015.
	16T BG Coaching	CG-K-6015, WAP-W-091	Yes	---	---	RDSO drawing and manufactured by RWF
	LHB axle	LW02149	Yes	---	---	RCF drawing and manufactured by RWF
	Kolkata Metro axle (TC)	AAA02062	Yes	---	---	ICF drawing and manufactured by RWF. 36 Nos axles were supplied to ICF in 2016.
	Kolkata Metro axle (MC)	AAA02047	Yes	---	---	ICF drawing and manufactured by RWF. 36 Nos axles were supplied to ICF in 2016.

III. WHEELSETS

A) Freight Application:

Gauge	Description	Drawing Number	Fully developed	Under Trial	Under development	Remarks
BG	Box_N	WAP/WA/W-1	Yes	---	---	RDSO approved and manufactured by RWF
	840 mm dia container flat wagon wheelset	WAP-W-003	Yes	---	---	- do -
	840 mm dia for 25t axle load wheelsets	WD-15020/S-1	---	Yes	---	RDSO vide letter No. MW/WA/25T, Dated 25/6/2015 approved for using 25t axle load wagon for K class CTRB wagons.

B) Passenger Applications:

Gauge	Description	Drawing Number	Fully developed	Under Trial	Under development	Remarks
BG	BG Coaching	WAP/WA/011	Yes	---	---	RDSO approved.
	958 mm dia EMU wheelset for Milk Tank Wagon	WAP-WA-W-022	---	Yes	---	RDSO has approved the drawing in the year 2015..

C) EXPORT ORDERS

Gauge	Description	Drawing Number	Fully developed	Under Trial	Under development	Remarks
CAPE GUAGE	Wheels for 1) Loco, 2. Coaching / DTC 3) DEMU DPC	1)RWF/W/ 119, 2)RWF-W-120 3)RWF-W-121	Yes	---	---	Export of RWF products to Mozambique Rlys through RITES in the year 2020-21
	Axles for 1) Loco, 2. Coaching 3. DTC 4) DEMU DPC	1) 11239566 2.RWF-A -226 3. RWF-A -224 4) RWF-A -225	Yes	---	---	Export of RWF products to Mozambique Rlys through RITES in the year 2020-21