GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
RAILWAY BOARD

No. 2010/RSF/649/2/RP-II/RWF New Delhi, dt. 07.07.10

The Chief Mechanical Engineer,
Rail Wheel Factory, Bangalore – 560 064.

The Controller of Stores,
All India Railways & P/Units.

Sub: - Minutes of the Quarterly WTA Meeting for the planning of items for the period II/2010 (July – September, 10).

Minutes of quarterly WTA meeting for the period II/2010-11 (July - September, 2010) held with the representatives of RWF and Zonal Railways/PUs in Rail Bhawan, New Delhi on 30.06.10 has been uploaded on Indian Railway's website www.indianrailways.gov.in.

Please ensure that the statement of requirements of WTA items for the Quarter III/2010-11 (October - December, 10) should reach this office latest by 15.09.10 positively. The exact date and venue of the meeting would be advised later on.

Please provide your **E-Mail** addresses so that minutes are sent directly through **E-Mail** only.

(Hindi version will follow.)

Sd/
(Sanjeev Misra)
Director, Railway Stores (F)
Railway Board.

Copy to:

1. The Chief Mechanical Engineers, All India Railways and Production Units.
2. The Comptroller & Auditor General of India, Room No.222, Rail Bhawan, New Delhi.
3. M/s Jessop & Co. Ltd., 21 & 22, Jessore Road, Kolkata – 700 028.
4. M/s Bharat Earth Movers Ltd., "BEML SOUDHA", 23/1, 4th Main, S.R. Nagar, Bangalore-560 027.
5. M/s Titagarh Wagons Ltd.,113, Park Street, Kolkata – 700 016.
6. M/s Bharat Heavy Electrical Ltd., (Tranportation Business Deptt.), Integrated Office Complex, Lodhi Road, New Delhi-110 003.
7. AM(RS), AM(ME), EDRS(P), EDME(Chg.), EDME (Tr.), EDEE(RS), DME(PU), DME(P)-!, DEE/G, DRS(W), DF(S)-1 and RS(WTA) Branches of Railway Board.
8. CWM, Eastern Railway, Kancharapara.

RWF MINUTES

MINUTES OF THE QUARTERLY WTA MEETING HELD WITH REPRESENTATIVES OF RWF ON 30.06.10 IN RAIL BHAWAN, NEW DELHI FOR PLANNING THE REQUIREMENT OF WTA ITEMS FOR THE QUARTER JULY-SEPTEMBER, 2010.

On behalf of all the participants EDRS(P) Railway Board extended a warm welcome to Adv(RS) since it was his first meeting after the new assignment. He also welcomed CME/RWF, COS/RWF, GM(SAIL/DSP) COSs/CMMs of Indian Railways and Production Units and his other colleagues from Railway Board to the 2nd quarterly WTA Meeting.

He expressed happiness that the axle forging machine at RWF has been restored and production has commenced @ 230 axles per day. Efforts made to make up for the loss of production (4½ month production) should continue by sourcing Axle forgings etc. from MSF/Ischapore & VISL. There sources should now be used on regular basis & given required technical & other support to improve their productivity. MSF/Ischapore can produce 20,000 axles forgings per year whereas VISL can give 12,000 per year. Dependence on import is to be minimized. He hoped that with the commissioning of the 3rd CNC Machining Line, machining capacity of RWF would get augmented and that they would be able to supply about 80,000 axles per year. EDRS(P) also expressed satisfaction at the development of EMU cast wheel at RWF and EMU forged wheels at DSP. He informed that allotment of 1500 nos. EMU cast wheels on RWF and 1000 nos. EMU forged wheels on DSP is being done. He showed concern at the fact that DSP despite having an annual capacity of 80,000 wheels and 12,000 axles was hardly able to supply 50,000 wheels and 9000 axles in a year. EDRS(P) indicated that DSP should focus on 'S' shaped BG Loco wheels, BG Loco Wheels and BG coaching wheels. IR was expecting at least 15000 BG Loco wheels and 6000 axles from DSP in the coming two quarters. He insisted that DSP should spell out clearly the product mix they desired to enable them to optimize production in the coming quarters. 2000 MG coaching wheels must be produced by RWF in 2nd Quarter. This quantity of 2000 nos. was decided as requested by RWF (in the meeting on RWF held at Rly. Bd. on 04.03.10) earlier to optimize the scale of production. Regarding quality issues related with supply of axles from M/s Jinan,China, RWF was advised to arrange for the joint inspection & advise the final outcome of the same. Railways/units where these suspect axles have been supplied must be informed for thorough checking of the same.

DME(PU) – said that although production of wheels at RWF was marginally less than the target during the first quarter, RWF would be able to make up for the same in the coming quarters. He expressed happiness at the restoration of axle forging machine at RWF and desired that RWF continues to source axle forgings from MSF and SAIL/Bhadrawati so that self sufficiency in axles is restored. He informed that for the last 1 ½ years no BOX'N axle had been supplied by RWF to the Railways. He therefore requested CME/RWF to supply at least 2000 BOX'N axles to the Railways. Regarding RWF's suggestion to supply the axles in wheelset form, DME(PU) outlined the

difficulties like availability of indents, finance vetting which prove impediments in the process.

He requested that 15,000 axles shown as inventory with wagon builders in Board's production programme should actually be treated as a buffer to meet any unforeseen eventuality during the course of the year. He informed that RWF had undertaken extended field trials in respect of Cast Loco wheels, Cast EMU wheels and Cast LHB wheels. The Loco wheel programme had been finalized in March'10 and Board expected RWF to supply at least 2000 cast Loco wheels in the current quarter to SE/KGP and SR/GOC for field trials. He informed that allotment of at the most only 1500 nos. EMU cast wheels could be given to RWF as RDSO had given the clearance for trial of only 1000 nos. till now. He voiced concern at the shortage of forged wheel discs of coaches which are being used on Rajdhani and Shatabdi trains. He urged

Board to urgently allot forged wheel discs and axles on priority to Amritsar on RCF account for manufacture of 500 coaches during the year. DME(PU) requested DSP to realistically project the number of BG coaching wheels that they would be able to supply during 2010-11 so that shortfall could be managed. DME(PU) requested RWF to supply EMU wheelsets on priority to BEML.

Adv.(RS) – He urged RWF to expedite regular supply of cast BG Loco and cast EMU wheels as it was taking considerable time. He urged DSP also to work to their full capacity. He desired that focus should be on BG coaching & Loco wheels and BG coaching axle forgings. He wanted the production of EMU wheels (at RWF and DSP) to go up to 20,000 wheels / year to avoid imports. He urged COS/RWF to play a pro-active role in the management of scrap so that transport costs are optimized. Availability of scrap (HMS & LMS) should be kept in view while deciding the scrap mix ratio of HMS & LMS. It was reiterated by Adv.(RS) that both DSP & RWF should make all necessary efforts for early development of wheels which are being sourced through imports and also augment axle production capacity to meet full requirement (130000 axles) through indigenous sources.

GM/SAIL/DSP – Mr. Raju informed that RDSO had recently cleared 403 nos. EMU coaching wheels after inspection. He outlined the difficulties faced by DSP in the development process but stated that now things have fallen into place. He informed that DSP had supplied 3200 nos. BG coaching wheels in the first quarter of 2010-11. He informed that with the repair of their Hammer, DSP would be able to provide 12000 axles per year. He informed that DSP had supplied about 850 nos. finished axles to RWF. DSP was following the policy of supplying semi-finished axles to Railway workshops and machined finished axles to RWF. However forged axles was a problem area as there was no procedure for testing forged axles in DSP's workshop. These axles are being sent without ultrasonic dimensional testing. Recently with the failure of a forged axle, DSP is apprehensive of supplying forged axles to Railways. He indicated that if RDSO could

develop some procedure for testing forged axles the supplies could be undertaken. He promised to step up BG Loco & BG coaching wheel production.

CME/RWF: informed that the Forging machine of RWF was recommissioned on 20th May. Since then over 7000 axles has been forged till now and production target for this machine has been set at a moderate level of 230 axle forgings / day being an an old machine. He also requested Railway Board to sanction a new machine as the existing machine is more than 25 years old. To cover the shortfall orders for 8300 nos., 7000 nos and 1000 nos. axle forgings on MSF/Ischapore, VISL, Bhadrawati and DSP respectively have already been placed. He informed that the machining capacity would get further augmented with the commissioning of the 3rd machining line by 31st of July. As of now forging, not machining is a constraint. However by outsourcing the axle forgings from the above sources and with some imported axles in the pipeline, RWF should have sufficient buffer to meet the Railways requirements.

Regarding wheels, CME/RWF stated that the target set by the Board was little on the higher side considering the product mix of MG, EMU, Loco, BOX'N, 840 mm container and BG coaching wheels ordered on RWF. He stated that RWF could supply about 1000-1500 EMU wheels in this quarter for filed trials to Eastern Railway and Southern Railway. He also expressed confidence in supplying 2000 Loco wheels in this quarter. Since NF Railway was not given wheels in the past few quarters due to problem of transport by road. RWF planned to load ½ rake for NF Railway. He requested Board to assist in arranging ½ rake of 30 wagons so that NF Railway's entire year requirement could be met in one shot.

COS /RWF – Giving an overview of scrap management, COS, RWF stated that RWF required about 100,000 tonnes of scrap annually. The ratio of HMS and LMS in the furnace is in the ratio of 1:4. As far as availability is concerned LMS is available in plenty with around 27,000 tonnes available as on date which is sufficient to take care of a year's requirement. However availability of HMS was a conern as RWF does not have more than 15 day's requirement in hand. Based on the analysis undertaken by COS/ RWF, reveals that on Northern Railway there is a shortfall of 1200 tonnes, NCR- 960 MT and some on WCR and CR. Regarding CR's contention that RWF is not accepting the HMS offered by that Railway, COS, RWF stated that CR is trying to push LMS as HMS and the same is not acceptable at RWF. COS/RWF further informed that that the daily arising of scrap is being scrupulously monitored by a separate cell setup at RWF. Sale of HMS at Railways has been completely stopped and only the logistics of it's movement to RWF had to be expedited.

The position regarding supplies made by RWF during the previous quarter i.e. April – June, 2010 was discussed. The same is tabulated as under:-

SUPPLIES DURING APRIL - JUNE, 2010

No.	Item	Quantity Planned (April - June, 2010)	Actual Supplies (April - June, 2010)	Variation (+) excess (-) shortfall	Total Supplies from April –June, 10
A	**LOOSE WHEELS**				
(i)	BOX 'N' Wheels W/WL-4764/R	21600	20977	-623	20977
(ii)	MG Chg. Wheels MG/T-0-1-004 (W/WL-770/R) (WAP-W-031)	870	47	-823	47
(iii)	BG Chg. Wheels W/WL-1660/R	16000	12974	-3026	12974
(iv)	BG Loco Wheels W/WL-4984/R	2000	63	-1937	63
(v)	MG Loco Wheels W/WL-4955/R	0	0	0	0
(vi)	840 mm dia wheels for CONCOR	152	44	-108	44
	TOTAL WHEELS	**40622**	**34105**	**-6517**	**34105**
B	**LOOSE AXLES**				
(i)	Nos.	7699	2662	-5037	2662
(ii)	Equated Box 'N' Units	9911	4023	-5888	4023
C	**WHEELSETS**				
(i)	16T BG Chg. Wheelsets	2150	2181	31	2181
(ii)	Wheelsets for BVZI	760	382	-378	382
(iii)	BOX 'N' W/sets include Wagon Builders & BLC Wagons	12605	7371	-5234	7371
	EMU W/sets for Trailer Coaches	500	0	-500	0
	TOTALWHEELSETS	**16015**	**9934**	**-6081**	**9934**

The detailed supply position (Railway wise/Consignee wise) is given in the enclosed Annexure-I.

The item-wise planning for July - September, 2010 is shown in Annexure - II.

				ANNEXURE - I	
Position regarding quantities planned vis a - vis actual supplies made by RWF/Bangalore during the Ist Quarter (April - June, 2010).					
S.NOS.	**DRAWING & DESCRIPTION**	**RLY./CONSIGNEE**	**QTY. PLANNED (APRIL - JUNE, 10)**	**QTY. SUPPLIED (APRIL - JUNE, 10)**	**VARIATION (+) EXCESS (-) SHORTFALL**
	WHEELS				
1	Wheel disc. BOX 'N' Type to Drg. No. W/WL-4764/R (WAP/SK/M-155)	CR/PR	200	225	25
		ER/JMP/HLR	2000	3100	1100
		NR/JUDW	1500	1200	-300
		NCR/JHS	6000	5640	-360
		NFR/NBQ	1000	54	-946
		NWR/AII/BKN	400	467	67
		SR/CW/PER	1500	2166	666
		SCR/RYPS	3000	1576	-1424
		SER/KGP	2000	2500	500
		SECR/RWSS	1000	1300	300
		WR/DHD	2000	1862	-138
		WCR/KTT	1000	887	-113
		Total	**21600**	**20977**	**-623**
2	BG Chg. Wheels to Drg. No.W/WL-1660/R	CR/MTN	800	596	-204
		ER/HLR/JMP	1800	1900	100
		Eco.R/MCS	400	400	0
		NR/ASR/AMVJUDW	2200	2120	-80
		NER/GKP	1000	1036	36
		NFR/NBQ/DBRT	500	352	-148
		NWR/AII/JU	900	965	65
		SR/CW/PER/LW/PER/GOC	1600	1280	-320
		SCR/LGD/TPTY	600	320	-280
		SER/KGP	1500	1500	0
		SWR/AP/UBL	500	307	-193
		WR/PL	1200	1200	0
		WCR/BPL	800	224	-576
		ICF	2200	774	-1426
		Total	**16000**	**12974**	**-3026**
3	MG Coaching Wheels to RDSO's Drg. No.CG-K 6099 (WAP-W-031)	NFR/NBQ	100	0	-100
		NWR/BKN	240	0	-240
		SR/GOC	30	0	-30
		WR/BVP	500	47	-453
		Total	**870**	**47**	**-823**

4	BG Loco Wheels to Drg. No.D/WL-4948/R	CR/PR/BSL	500	63	-437
		NR/CB	500	0	-500
		SR/GOC	500	0	-500
		SER/KGP	500	0	-500
		Total	**2000**	**63**	**-1937**
5	840 dia wheel for CONCOR for BLC wagon	NCR/CNB	152	44	-108
		Total	**152**	**44**	**-108**
	TOTAL WHEELS		**40622**	**34105**	**-6517**
	AXLES				
1	BG DSL Loco Axles to Drg. No. W/WL-4973/R (WAP/SK/MA-245)	NFR/NBQ	6	0	-6
		SR/LW/PER	15	0	-15
		Total	**21**	**0**	**-21**
2	Axle for WDG-2 A (Axle RT (with light wt. 5002 FZ) to Drg. No. TPL-5868	NR/CB	5	0	-5
		NWR/AII	3	0	-3
		SR/GOC	15	0	-15
		DLW	400	221	-179
		Total	**423**	**221**	**-202**
3	Axle rough turned for WAP-4 loco to Drg. No.03/2/11/55	CLW	100	19	-81
		Total	**100**	**19**	**-81**
4	Axle driving rough turned for WDM-2C Locos to Drg. No.D/WL-5058/R Alt. NIL	DMW	187	138	-49
		ER/JMP	12	0	-12
		Total	**199**	**138**	**-61**
5	Axle rough for WDM-2C to Drg. No. TPL-2585	DLW	101	101	0
		Total	**101**	**101**	**0**
6	Axles for WAG-9 & WAP-7 (Rough machined) to CLW's	CLW	200	192	-8
		CR/BSL	9	0	

	Drg. No.1209-01-011-002	**Total**	**209**	**192**	**-17**
7	Axles rough for WDG-4 to EMS-804 Drg. No.D/WL-5061/R	DLW	150	148	-2
		Total	**150**	**148**	**-2**
8	Axle rough machined for WDG-2, WDG-3A, WDM-3D Locos to Drg. No. TPL-6292	ER/JMP	6	0	-6
		NFR/NBQ	5	0	-5
		DMW	148	136	-12
		Total	**159**	**136**	**-23**
9	Axle rough machined for WDG-2 & WAG-7 to DRg. No.06/2/11/2	CR/BSL	9	0	-9
		ER/KPA	25	0	-25
		SR/LW/PER	6	0	-6
		CLW	300	231	-69
		BHEL	229	0	-229
		Total	**569**	**231**	**-338**
10	Axle rough for WDP-4 locos to Drg. No. WDG-4/PS/22 GM Pt. No.40088369	NFR/NBQ	5	0	-5
		SWR/AP	5	0	-5
		Total	**10**	**0**	**-10**
11	Axle diving rough turned or TM-5002 AZ to DLW Drg. No.11231646 of WDP 3A Locos to Drg. No. TPL-6687	SR/GOC	3	0	-3
		SCR/BZA	15	0	-15
		Total	**18**	**0**	**-18**
12	Axle driving rough turned for WDG-2 Loco to Drg. No. TPL-5004	NWR/AII	3	0	-3
		Total	**3**	**0**	**-3**
13	Axle (3 Phase)for WAP-5 Loco to Drg. No.1210-01-311-025	CR/BSL	6	0	-6
		Total	**6**	**0**	**-6**

14	X Class loco axle to Drg. No.L/WL/2D/X	SR/GOC	4	**0**	-4
		Total	**4**	**0**	**-4**
15	Axle rough GM Loco to EMD Pt.No.40076350 & DLW Part No.17230011	SCR/TPTY	6	**0**	-6
		Total	**6**	**0**	**-6**
16	Axle rough machined for TAO-659 Hitachi type wheelset to Drg. No. SKEL-4516	CR/BSL	15	0	-15
		WR/DHD	200	205	5
		Total	**215**	**205**	**-10**
	TOTAL AXLES (1) TO (16) IN NOS.		**2193**	**1391**	**-802**
	TOTAL AXLES IN EQUATED NOS. (X by 1.9)=		**4167**	**2643**	**-1523.8**
17	BG EMU MTR Coach Axles to Drg. No. DC/EMU-M-0-1-005	NR/CB	10	0	-10
		SER/KGP	7	0	-7
		Total	**17**	**0**	**-17**
18	EMU Motor Coach Axles to Drg. No.AC/DC-EMU/B-02-002 Alt. A/2 item 1 (WAP's Drg. No. WAP-A-087)	ICF	570	346	-224
		WR/PL/DHD	150	101	-49
		Titagarh/KPA	48	48	0
		JESSOP/KPA	36	36	0
		BEML/MYSS	72	0	-72
		Total	**876**	**531**	**-345**
19	Axle for AC Motor Coach to Drg. No.EMU/MC-1-025	ER/HLR	15	15	0
		Total	**15**	**15**	**0**
20	EMU Axle to Drg. No.DC/EMU/M/01/005	CR/MTN	15	0	
		Total	**15**	**0**	**-15**
21	Axle for MEMU/DMC to Drg. No.EMU/M-0-1-025 Alt. 'a'	RCF	15	0	-15
		SCR/LGD	7	0	
		Total	**22**	**0**	**-22**

22	Axle rough turned for Motor Coach to Drg. No.MRB/DMC-0-2-004 COL 1 Alt. Nil	ICF	245	0	-245
		Total	**245**	**0**	**-245**
	TOTAL EMU AXLES IN NOS.		**1190**	**546**	**-644**
	TOTAL EMU AXLES IN EQUATED NOS. (X by 1.2)=		**1428**	**655**	**-772.8**
23	EMU Axles for Trailor Coaches to Drg. No. AC/DC/EMU/02/204-001 00/RWF-A-157	ICF	400	0	-400
		JESSOP/KPA	72	72	0
		Titagarh/KPA	96	96	0
		BEML/MYSS	144	0	-144
		SCR/LGD	5	0	-5
		Total	**717**	**168**	**-549**
24	BG EMU Axles to Drg. No. W/WL-4784/R	SR/CW/PER	30	0	-30
		Total	**30**	**0**	**-30**
25	Axle rough turned for Trailer Coach for Kolkata Metro to Drg. No.MRB-0-1-002	ICF	62	0	-62
		Total	**62**	**0**	**-62**
26	BG MEMU TC Axles to Drg. No. WTAC3-0-2-303 Alt.F	NR/GZB	10	0	-10
		Total	**10**	**0**	**-10**
27	YDM-4 Loco Axles to Drg. No.D/WL-4984	NER/IZN	5	7	2
		NFR/NBQ	5	0	-5
		Total	**10**	**7**	**-3**
28	Axle for Box 'N'/BCN wagon to Drg. No.WD-92039/S-1 Item-1, Alt.2	CR/PR	25	0	-25
		NFR/NBQ	10	0	-10
		WR/DHD	300	0	-300
		Total	**335**	**0**	**-335**

29	Axles for BOX'N' to Drg. No.W/WL-4901/R (WD-89025/SL-2)	ER/JMP/HLR/LLH	115	0	-115
		NR/JUDW	100	0	-100
		NCR/JHS	50	0	-50
		SR/CW/PER	75	0	-75
		SCR/RYPS	150	0	-150
		SECR/RWSS	100	0	-100
		SWR/UBL	25	0	-25
		WCR/KTT	50	0	-50
		Total	**665**	**0**	**-665**
30	MG ICF Coaching Axles to Drg. No.MG/T-0-2-023 Alt. Nil or latest	NWR/BKN	70	0	-70
		Total	**70**	**0**	**-70**
31	MG ICF Coaching Axles to DRg. No. MG/T-0-2-017	NER/IZN	100	75	-25
		WR/BVP	50	0	-50
		Total	**150**	**75**	**-75**
32	Axles for LHB coaches to Drg. No.LW 02104	RCF/KXH	530	257	-273
		ER/LLH	22	32	10
		NR/JUDW	20	60	
		WR/PL	40	0	-40
		Total	**612**	**349**	**-263**
33	Rough turned Axles to use with UIC MTBU to RCF Drg. No. 02128 ALT (Nil) (IRY Coaches)	NR/JUDW	5	0	-5
		Total	**5**	**0**	**-5**
34	BG Coaching Axles to Drg. No.WTAC-3-02-303	NR/JUDW	50	0	-50
		NER/GKP	50	0	-50
		SR/CW/PER	50	0	-50
		WCR/BPL	100	84	-16
		ICF	1300	42	-1258
		RCF	100	0	-100
		Total	**1650**	**126**	**-1524**

	TOTAL AXLES S.NOS. 23 to 34 IN NOS.		**4316**	**725**	**-3591**
	GRAND TOTAL AXLES IN NOS.=		**7699**	**2662**	**-5037**
	GRAND TOTAL AXLES IN EQUATED UNITS =		**9911**	**4023**	**-5887.6**
	WHEELSETS				
1	16T BG CHG.Wheelsets	RCF	1550	1266	-284
		ICF	0	465	465
		BEML	600	450	-150
		Total	**2150**	**2181**	**31**
2	BOX 'N' Wheelsets	Wagon Builders	12000	6442	-5558
		SR/CW/PER	155	152	-3
		SCR/RYPS	150	269	119
		WR/DHD	140	378	238
		WCR/KTT	100	96	-4
		Total	**12545**	**7337**	**-5208**
3	Wheelsets for Cast Steel Bogie of BLC Wagon to Drg. No. CONTR-9404-S/12 Alt.3	NCR/JHS	40	34	-6
		SER/KGP	20	0	-20
		Total	**60**	**34**	**-26**
4	Wheelsets for BVZI	NR/ASR	300	126	-174
		ER/JMP	100	110	10
		SWR/UBL	360	146	-214
		Total	**760**	**382**	**-378**
5	EMU Wheelsets for Trailer Coaches	ER/KPA	200	0	-200
		SR/AVDI/TAMBARAM	300	0	-300
		Total	**500**	**0**	**-500**
	TOTAL WHEELSETS		**16015**	**9934**	**-6081**

				ANNEXURE - II	
Allocation sheet for supply of WTA items for the IInd quarter i.e. July - September, 2010 on RWF/Bangalore.					
S.NOS.	**DRAWING & DESCRIPTION**	**RLYS./PUs**	**QTY. PLANNED (JULY - SEPTEMBER), 2010**	**Consignee**	**Remarks**
	WHEELS				
1	Wheel disc. BOX 'N' Type to Drg. No. W/WL-4764/R (WAP/SK/M-155)	CR	200	PR	**To submit indent**
		NCR	1500	JHS	
		NFR	1500	NBQ	
		NWR	360	210-AII 150-BKN	
		SCR	2000	RYPS	
		SECR	500	RWSS	
		SWR	36	UBL	
		WR	800	DHD	
		WCR	625	KTT	
		Total	**7521**		
2	BG Chg. Wheels to Drg. No.W/WL-1660/R	CR	600	MTN	
		ER	1000	500-LLH 500-HLR	
		Eco.R	400	MCS	
		NR	1000	500-JUDW 500-AMV	
		NER	900	200-IZN 700-GKP	
		NFR	1000	NBQ	
		NWR	800	600-AII 200-JU	
		SR	1200	200-GOC 1000-CW/PER	
		SCR	900	700-LGD 200-TPTY	
		SER	1050	KGP	
		SWR	800	550-UBL 250-AP	
		WR	400	PL	
		WCR	200	BPL	
		ICF	700		
		Total	**10950**		
3	840 dia Wheel for CONCOR for BLC Wagon	NCR	261	CNB	
		WCR	260	KTT	
		Total	**521**		
4	MG Chg. Wheels to RDSO's Drg. No.CG-K 6099 (WAP-W-031)	NER	800	IZN	
		NFR	200	NBQ	
		NWR	300	BKN	

		SR	30	GOC	
		WR	700	BVP	
		Total	**2030**		
5	BG Loco Wheels to Drg. No.D/WL-4948/R	CR	438	PR	
		SR	500	GOC	
		SER	500	KGP	
		Total	**1438**		
6	EMU/DEMU Wheels	ER	750	KPA	
		SR	750	CW/PER	
		Total	**1500**		
	TOTAL WHEELS		**23960**		
	AXLES				
1	BG DSL Loco Axles to Drg. No. W/WL-4973/R (WAP/SK/MA-245)	NFR	25	NBQ	
		SR	32	20-LW/PER 12-GOC	
		Total	**57**		
2	Axle for WDG-2 A (Axle RT (with light wt. 5002 FZ) to Drg. No. TPL-5868	DLW	500		
		NR	25	CB	
		Total	**525**		
3	Axle rough turned for WAP-4 Loco to Drg. No.03/2/11/55	CLW	250		
		Total	**250**		
4	Axle driving rough turned for WDM-2C Locos to Drg. No. D/WL-5058/R Alt. NIL	DMW	250		
		ER	8	JMP	
		Total	**258**		
5	Axle rough for WDM-2C to Drg. No. TPL-2585	CR	12	PR	
		Total	**12**		
6	Axle rough machined for WDG-2, WDG-3A, WDM-3D Locos to Drg. No. TPL-6292	ER	5	JMP	
		NFR	20	NBQ	
		SWR	6	UBL	
		DMW	150		
		Total	**181**		

7	Axle rough machined for WDG-2 & WAG-7 to Drg. No.06/2/11/2	ER	29	KPA	
		SR	6	LW/PER	
		CLW	400		
		BHEL			
		Total	**435**		
8	Axle rough for WDP-4 locos to Drg. No.WDG-4/PS/22 GM Pt. No.40088369	NFR	6	NBQ	
		SWR	5	AP	
		Total	**11**		
9	Axles for WAG-9 & WAP-7 (Rough machined) to CLW's Drg. No. 1209-01-011-002 Alt.	CLW	120		
		CR	30	BSL	
		Total	**150**		
10	Axle rough GM Loco to EMD Pt. No.40077315 (Geared) & DLW Part No.1730019	SWR	6	UBL	
		Total	**6**		
11	Axles rough for WDG-4 to EMS-804 Drg. No. D/WL-5061/R	DLW	325		
		Total	**325**		
12	Axle driving for BG DSL, WDM2, WDM3 & WDS6 Loco to Drg. No.TPL-0593 (Wider Horn)	SCR	36	RYPS	
		Total	**36**		
13	X Class Loco Axle to Drg. No.L/WL/2D/X	SR	4	GOC	
		Total	**4**		
14	Axle rough turned for 140T Crane CR/808	ER	55	JMP	
		Total	**55**		
15	Axle rough machined for TAO-659 Hitachi type wheelset to Drg. No. SKEL-4516	CR	200	BSL	
		ER	40	KPA	
		SER	60	KGP	
		WR	60	DHD	

		Total	**360**		
	TOTAL AXLES (1) TO (15) IN NOS.		**2665**		
	TOTAL AXLES IN EQUATED NOS. (X by 1.9)=		**5064**		
16	BG EMU MTR Coach Axles to Drg. No. DC/EMU-M-0-1-005	NR	20	GZB	
		SER	20	KGP	
		Total	**40**		
17	Axle for AC Motor Coach to Drg. No.EMU/MC-1-025	ER	100	HLR	
		Total	**100**		
18	EMU Axle to Drg. No. DC/EMU/M/01/005	CR	15	MTN	
		Total	**15**		
19	Axle for MEMU/DMC to Drg. No.EMU/M-0-1-025 Alt. 'a'	RCF	50		
		SCR	10	LGD	
		Total	**60**		
20	EMU Axles for Motor Coaches to Drg. No. AC/DC/EMU/B-02-002 Alt. A/2 item 1 (WAP-A-087)	ICF	400		
		NR	24	CB	
		WR	100	PL	
		Titagarh	12	KPA	
		BEML	96	MYSS	
		BHEL	4	JHS	
		Total	**636**		
21	Axle rough turned for Motor Coach to Drg. No. MRB/DMC-0-2-004 COL 1 Alt. Nil	ICF	245		
		Total	**245**		
	TOTAL EMU AXLES IN NOS.		**1096**		
	TOTAL EMU AXLES IN EQUATED NOS. (X by 1.2)=		**1315**		
22	BG EMU Axles to Drg. No. W/WL-4784/R	SR	30	CW/PER	
		Total	**30**		
23	EMU Axles for Trailor	ICF	187		

	Coaches to Drg. No. AC/DC/EMU/02/204-001 00/RWF-A-157	Titagarh	24	**KPA**	**Drg. No.AC/DC/EMU/B 2 0-2-204 alt.'e' Drg. to be confirmed by DEE/G, Rly. Bd.**
		BEML	260	RWF	
		BHEL	8	JHS	
		Total	**479**		
24	BG MEMU TC Axles to Drg. No. WTAC3-0-2-303 Alt.F	RCF	110		
		NR	10	GZB	
		SCR	4	LGD	
		Total	**124**		
25	Axle rough turned for Trailer Coach for Kolkata Metro to Drg. No. MRB-0-1-002	ICF	62		
		Total	**62**		
26	YDM-4 Loco Axles to Drg. No.D/WL-4984	NFR	30	NBQ	
		Total	**30**		
27	Axle for Box 'N'/BCN wagon to Drg. No.WD-92039/S-1, Item-1, Alt.2	NFR	25	NBQ	
		WR	100	DHD	
		Total	**125**		
28	BOX 'N' Axles o Drg. No.W/WL-4901/R (WD-89025/SL-2)	ER	100	35-HLR 35-JMP 40-LLH	
		NR	200	JUDW	
		NCR	37	JHS	
		SR	200	CW/PER	
		SCR	200	RYPS	
		SER	100	KGP	
		SECR	100	RWSS	
		SWR	9	UBL	
		WCR	50	KTT	
		Total	**996**		
29	MG ICF Chg. Axles MG/T-0-2-023 Alt. Nil or latest	NWR	75	BKN	
		Total	**75**		
30	MG ICF Chg. Axles to Drg. No. MG/T-02-	NER	100	IZN	
		WR	50	BVP	

	017	**Total**	**150**		
31	Axles for LHB Coaches to Drg. No.LW 02104	RCF	600	KXH	
		ER	30	LLH	
		NR	30	JUDW	
		WR	50	PL	
		Total	**710**		
32	Rough turned axles to use with UIC MTBU to RCF Drg. No.02128 ALT (Nil) (IRY Coaches)	NR	10	JUDW	
		Total	**10**		
33	Axle driving 20T Crane to Drg. No.NR/9076/R				
		ER	10	JMP	
		Total	**10**		
34	Axle Idler 20T Crane to Drg. No.NR/9076/R	ER	30	JMP	
		Total	**30**		
35	BG Coaching Axles to Drg. No.WTAC-3-02-303	CR	163	MTN	
		ER	200	100-HLR 100-LLH	
		NR	425	200-JUDW 225-AMV	
		NER	150	80-IZN 70-GKP	
		NWR	200	100-AII 100-JU	
		SR	400	300-CW/PER 50-LW/PER 50-GOC	
		SCR	250	150-LGD 100-TPTY	
		SER	50	KGP	
		SWR	217	100-AP 117-UBL	
		WR	200	PL	
		WCR	135	BPL	
		ICF	720		
		RCF	250	150-JUDW 100-ASR	**ON RCF A/C**

		Total	**3360**		
	TOTAL AXLES S.NOS. 22 to 35 IN NOS.		**6191**		
	GRAND TOTAL AXLES IN NOS.=		**9952**		
	GRAND TOTAL AXLES IN EQUATED UNITS =		**12570**		
	<u>WHEELSETS</u>				
1	16T BG CHG.Wheelsets	RCF	1600		
		BEML	600	BEML	
		Total	**2200**		
2	BOX 'N' Wheelsets	Wagon Builders	8000		**Consignee to be advised by DRS(W)**
		CR	25	JHS	
		Total	**8025**		
3	Wheelsets for Cast Steel Bogie of BLCwagon to Drg. No.CONTR-9404-S/12 Alt.3	SER	30	KGP	
		WCR	70	KTT	
		Total	**100**		
4	Wheelsets for BVZI	NR	300	ASR	
		ER	100	JMP	
		SWR	440	UBL	
		Total	**840**		
	TOTAL WHEELSETS		**11165**		

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
RAILWAY BOARD

No. 2010/RSF/649/2/RP-II/DSP New Delhi, dt . 07 .07.10

1. M/s Steel Authority of India Ltd.,
   Central Marketing Organisation,
   S&RM Division,
   Ispat Bhawan,
   40-Jawahar Lal Nehru Marg,
   Kolkata – 700 071.

2 The Controller of Stores,
   All India Railways & P/Units.

Sub:- Minutes of the Quarterly WTA Meeting for the planning of WTA items for the period II/2010-11 (July – September, 2010).

Minutes of quarterly WTA meeting for the period II/2010-11 (July - September, 2010) held with the representatives of M/s SAIL/DSP and Zonal Railways/PUs in Rail Bhawan, New Delhi on 30.06.10 has been uploaded on Indian Railway's website www.indianrailways.gov.in.

Please ensure that the statement of requirements of WTA items for the Quarter III/2010-11 (October - December, 10) should reach this office latest by 15.09.10 positively. The exact date and venue of the meeting would be advised later on.

Please provide your **E-Mail** addresses so that minutes are sent directly through **E-Mail** only.

(Hindi version will follow.)

Sd/
(Sanjeev Misra)
Director, Railway Stores (F)
Railway Board.

Copy to:

1. The Chief Mechanical Engineers, All Indian Railways/Production Units.
2. The Comptroller & Auditor General of India, Room No.222, Rail Bhawan, New Delhi.
3. GM (BBM & WAP), M/s SAIL/DSP, Durgapur – 713203.
4. The DGM I/C, WAP, M/s SAIL/DSP, Durgapur – 713203.
5. The Chief Marketing Manager, M/s SAIL, Commercial Directorate, 13th Floor, Hindustan Times Building, 10-20 K.G. Marg, New Delhi.

6. Shri Vinay Kumar, AGM, M/s SAIL/DSP, SCOPE MINAR (20th floor), North Block, Laxmi Nagar District Centre, Delhi – 110 092.
7. GM(I), M/s RITES (ER), Quality Assurance Division, Central Station Building (Metro), 56, CR Avenue, 3rd Floor, Kolkata – 700 012.
8. S.I.E(M) Incharge, Inspection Wing, M/s RITES c/o DSP, Durgapur-713203.
9. M/s Bharat Heavy Electrical Ltd., (Tranportation Business Deptt.), Integrated Office Complex, Lodhi Road, New Delhi-110 003
10. AM/RS, AM/ME, OSD/PU, EDRS(P), EDEE(RS), DME(PU), DME(P)-I, DRS(W) & RS(WTA) Branch.

DSP MINUTES

MINUTES OF THE QUARTERLY WTA MEETING HELD WITH REPRESENTATIVES OF M/s SAIL/DSP ON 30.06.10 IN RAIL BHAWAN, NEW DELHI FOR PLANNING THE REQUIREMENT OF WTA ITEMS FOR THE QUARTER JULY-SEPTEMBER, 2010.

On behalf of all the participants EDRS(P) Railway Board extended a warm welcome to Adv(RS) since it was his first meeting after the new assignment. He also welcomed CME/RWF, COS/RWF, GM(SAIL/DSP) COSs/CMMs of Indian Railways and Production Units and his other colleagues from Railway Board to the 2nd quarterly WTA Meeting.

He expressed happiness that the axle forging machine at RWF has been restored and production has commenced @ 230 axles per day. Efforts made to make up for the loss of production (4½ month production) should continue by sourcing Axle forgings etc. from MSF/Ischapore & VISL. There sources should now be used on regular basis & given required technical & other support to improve their productivity. MSF/Ischapore can produce 20,000 axles forgings per year whereas VISL can give 12,000 per year. Dependence on import is to be minimized. He hoped that with the commissioning of the 3rd CNC Machining Line, machining capacity of RWF would get augmented and that they would be able to supply about 80,000 axles per year. EDRS(P) also expressed satisfaction at the development of EMU cast wheel at RWF and EMU forged wheels at DSP. He informed that allotment of 1500 nos. EMU cast wheels on RWF and 1000 nos. EMU forged wheels on DSP is being done. He showed concern at the fact that DSP despite having an annual capacity of 80,000 wheels and 12,000 axles was hardly able to supply 50,000 wheels and 9000 axles in a year. EDRS(P) indicated that DSP should focus on 'S' shaped BG Loco wheels, BG Loco Wheels and BG coaching wheels. IR was expecting at least 15000 BG Loco wheels and 6000 axles from DSP in the coming two quarters. He insisted that DSP should spell out clearly the product mix they desired to enable them to optimize production in the coming quarters. 2000 MG coaching wheels must be produced by RWF in 2nd Quarter. This quantity of 2000 nos. was decided as requested by RWF (in the meeting on RWF held at Rly. Bd. on 04.03.10) earlier to optimize the scale of production. Regarding quality issues related with supply of axles from M/s Jinan,China, RWF was advised to arrange for the joint inspection & advise the final outcome of the same. Railways/units where these suspect axles have been supplied must be informed for thorough checking of the same.

DME(PU) – said that although production of wheels at RWF was marginally less than the target during the first quarter, RWF would be able to make up for the same in the coming quarters. He expressed happiness at the restoration of axle forging machine at RWF and desired that RWF continues to source axle forgings from MSF and SAIL/Bhadrawati so that self sufficiency in axles is restored. He informed that for the last 1 ½ years no BOX'N axle had been supplied by RWF to the Railways. He therefore requested CME/RWF to supply at least 2000 BOX'N axles to the Railways. Regarding RWF's suggestion to supply the axles in wheelset form, DME(PU) outlined the

difficulties like availability of indents, finance vetting which prove impediments in the process.

He requested that 15,000 axles shown as inventory with wagon builders in Board's production programme should actually be treated as a buffer to meet any unforeseen eventuality during the course of the year. He informed that RWF had undertaken extended field trials in respect of Cast Loco wheels, Cast EMU wheels and Cast LHB wheels. The Loco wheel programme had been finalized in March'10 and Board expected RWF to supply at least 2000 cast Loco wheels in the current quarter to SE/KGP and SR/GOC for field trials. He informed that allotment of at the most only 1500 nos. EMU cast wheels could be given to RWF as RDSO had given the clearance for trial of only 1000 nos. till now. He voiced concern at the shortage of forged wheel discs of coaches which are being used on Rajdhani and Shatabdi trains. He urged Board to urgently allot forged wheel discs and axles on priority to Amritsar on RCF account for manufacture of 500 coaches during the year. DME(PU) requested DSP to realistically project the number of BG coaching wheels that they would be able to supply during 2010-11 so that shortfall could be managed. DME(PU) requested RWF to supply EMU wheelsets on priority to BEML.

Adv.(RS) – He urged RWF to expedite regular supply of cast BG Loco and cast EMU wheels as it was taking considerable time. He urged DSP also to work to their full capacity. He desired that focus should be on BG coaching & Loco wheels and BG coaching axle forgings. He wanted the production of EMU wheels (at RWF and DSP) to go up to 20,000 wheels / year to avoid imports. He urged COS/RWF to play a pro-active role in the management of scrap so that transport costs are optimized. Availability of scrap (HMS & LMS) should be kept in view while deciding the scrap mix ratio of HMS & LMS. It was reiterated by Adv.(RS) that both DSP & RWF should make all necessary efforts for early development of wheels which are being sourced through imports and also augment axle production capacity to meet full requirement (130000 axles) through indigenous sources.

GM/SAIL/DSP – Mr. Raju informed that RDSO had recently cleared 403 nos. EMU coaching wheels after inspection. He outlined the difficulties faced by DSP in the development process but stated that now things have fallen into place. He informed that DSP had supplied 3200 nos. BG coaching wheels in the first quarter of 2010-11. He informed that with the repair of their Hammer, DSP would be able to provide 12000 axles per year. He informed that DSP had supplied about 850 nos. finished axles to RWF. DSP was following the policy of supplying semi-finished axles to Railway workshops and machined finished axles to RWF. However forged axles was a problem area as there was no procedure for testing forged axles in DSP's workshop. These axles are being sent without ultrasonic dimensional testing. Recently with the failure of a forged axle, DSP is apprehensive of supplying forged axles to Railways. He indicated that if RDSO could develop some procedure for testing forged axles the supplies could be undertaken. He promised to step up BG Loco & BG coaching wheel production.

CME/RWF: informed that the Forging machine of RWF was recommissioned on 20th May. Since then over 7000 axles has been forged till now and production target for this machine has been set at a moderate level of 230 axle forgings / day being an an old machine. He also requested Railway Board to sanction a new machine as the existing machine is more than 25 years old. To cover the shortfall orders for 8300 nos., 7000 nos and 1000 nos. axle forgings on MSF/Ischapore, VISL, Bhadrawati and DSP respectively have already been placed. He informed that the machining capacity would get further augmented with the commissioning of the 3rd machining line by 31st of July. As of now forging, not machining is a constraint. However by outsourcing the axle forgings from the above sources and with some imported axles in the pipeline, RWF should have sufficient buffer to meet the Railways requirements.

Regarding wheels, CME/RWF stated that the target set by the Board was little on the higher side considering the product mix of MG, EMU, Loco, BOX'N, 840 mm container and BG coaching wheels ordered on RWF. He stated that RWF could supply about 1000-1500 EMU wheels in this quarter for filed trials to Eastern Railway and Southern Railway. He also expressed confidence in supplying 2000 Loco wheels in this quarter. Since NF Railway was not given wheels in the past few quarters due to problem of transport by road. RWF planned to load ½ rake for NF Railway. He requested Board to assist in arranging ½ rake of 30 wagons so that NF Railway's entire year requirement could be met in one shot.

COS /RWF – Giving an overview of scrap management, COS, RWF stated that RWF required about 100,000 tonnes of scrap annually. The ratio of HMS and LMS in the furnace is in the ratio of 1:4. As far as availability is concerned LMS is available in plenty with around 27,000 tonnes available as on date which is sufficient to take care of a year's requirement. However availability of HMS was a conern as RWF does not have more than 15 day's requirement in hand. Based on the analysis undertaken by COS/ RWF, reveals that on Northern Railway there is a shortfall of 1200 tonnes, NCR- 960 MT and some on WCR and CR. Regarding CR's contention that RWF is not accepting the HMS offered by that Railway, COS, RWF stated that CR is trying to push LMS as HMS and the same is not acceptable at RWF. COS/RWF further informed that that the daily arising of scrap is being scrupulously monitored by a separate cell setup at RWF. Sale of HMS at Railways has been completely stopped and only the logistics of it's movement to RWF had to be expedited.

The position regarding supplies made by DSP during the previous quarter i.e. April -June, 2010 was discussed. The same is tabulated as under:-

SUPPLIES DURING APRIL - JUNE, 2010

S.No.	Item	Quantity Planned (April - June, 2010)	Actual Supplies (April - June, 2010)	Variation (+) excess (-) shortfall	Total Supplies from April,10 – June, 2010
A	**ASSEMBLED WHEELSETS**				
(i)	16T BG Coaching Wheelsets	300	200	-100	200
B	***LOOSE WHEELS***				
(i)	BG Chg. Wheels W/WL-1660/R	4500	3105	-1395	3105
(ii)	BG Loco Wheels W/WL-4948/R	8441	6983	-1458	6983
(iii)	BG Loco Wheels "S" Shaped	200	180	-20	180
(iv)	MG Loco Wheels W/WL-4955/R	544	386	-158	386
	TOTAL WHEELS	**13685**	**10654**	**-3031**	**10654**
C	**LOOSE AXLES**				
(i)	16T BG Coaching Axles WTAC-3-02-303	1792	1266	-526	1266
(ii)	Axles forgings (heat treated and tempered but without machining)	1020	191	-829	191
	TOTAL AXLES	**2812**	**1457**	**-1355**	**1457**

The detailed supply position (Railway wise/Consignee wise) is given in the enclosed Annexure-I.

The item-wise planning for July - September, 2010 is shown in Annexure - II.

				ANNEXURE - I	
Position regarding quantities planned vis a - vis actual supplies made by M/s SAIL/DSP during the Ist Quarter (April - June, 2010).					
S.NOS.	**DRAWING & DESCRIPTION**	**RLY./CONSIGNEE**	**QTY. PLANNED (APRIL - JUNE, 10)**	**QTY. SUPPLIED (APRIL - JUNE, 10)**	**VARIATION (+) EXCESS (-) SHORTFALL**
	AXLES				
1	BG Chg. Axles to Drg. No. WTAC-3-02-303	CR/MTN	50	42	-8
		ER/LLH/HLR	100	92	-8
		Eco.R/MCS	50	43	-7
		NR/AMV	100	80	-20
		NER/GKP	100	0	-100
		NFR/NBQ	50	50	0
		NWR/AII	50	50	0
		SR/GOC	42	42	0
		SER/KGP	150	50	-100
		SWR/UBL	50	0	-50
		WR/DHD	50	42	-8
		ICF	1000	775	-225
		TOTAL	**1792**	**1266**	**-526**
2	Axles forgings (heat treated and tempered but without machining). From the Purchase Order of BG Coaching Axles.	CR/PR	50	0	-50
		ER/LLH	250	90	-160
		NR/JUDW	250	0	-250
		NER/GKP	150	0	-150
		NWR/AII	50	0	-50
		SR/CW/PER/GOC	120	70	-50
		SCR/LGD	100	31	-69
		SWR/AP	50	0	-50
		TOTAL	**1020**	**191**	**-829**
	TOTAL AXLES		**2812**	**1457**	**-1355**
	WHEELS				
1	BG Chg. Wheels to Drg. No.W/WL-1660/R	CR/MTN	300	163	-137
		ER/LLH/HLR	700	670	-30
		Eco.R/MCS	200	185	-15
		NR/JUDW	300	300	0
		NER/GKP	200	155	-45
		NFR/NBQ/DBRT	300	210	-90
		SR/LW/PER/GOC	400	155	-245
		SCR/LGD/TPTY	200	164	-36
		SER/KGP	500	359	-141
		SWR/AP	300	155	-145
		WR/PL	600	589	-11
		ICF	300	0	-300

		RCF	200	0	-200
		TOTAL	**4500**	**3105**	**-1395**
2	BG Loco Wheels /DSL Mono Block Rough machined WDM2, WDM3 and WAG5 to Drg. No. W/WL-4948/R	CR/BSL/PR	500	463	-37
		ER/KPA/JMP	790	706	-84
		NR/ASR/CB	800	640	-160
		NCR/CNB	141	141	0
		NFR/NBQ	100	100	0
		NWR/AII/JU	164	141	-23
		SR/GOC/LW/PER	850	717	-133
		SCR/RYPS/TPTY	562	470	-92
		SER/KGP/Tatanagar	945	924	-21
		SECR/RWSS	120	110	-10
		SWR/AP	110	110	0
		WR/DHD	800	732	-68
		DLW	1448	708	-740
		DMW	774	723	-51
		BHEL	337	298	-39
		TOTAL	**8441**	**6983**	**-1458**
3	BG Loco Wheels "S" Shaped	CR/BSL/PR	200	180	-20
		TOTAL	**200**	**180**	**-20**
4	MG Loco Wheels to Drg. No.W/WL-4955/R	NER/IZN	100		-100
		NFR/NBQ	235	204	-31
		NWR/AII	35	35	0
		SR/GOC	90	84	-6
		WR/SBI	84	63	-21
		TOTAL	**544**	**386**	-158
		TOTAL WHEELS	**13685**	**10654**	**-3031**
	WHEELSETS				
1	16T BG Coaching Wheelsets	RCF	300	200	-100
		TOTAL	**300**	**200**	**-100**

				ANNEXURE - II	
Allocation sheet for supply of WTA items for the IInd quarter i.e. July - September, 2010 on M/s SAIL/DSP.					
S.NOS.	**DRAWING & DESCRIPTION**	**RLYS./PUs**	**QTY. PLANNED (JULY - SEPTEMBER, 2010)**	**Consignee**	**Remarks**
	AXLES				
1	BG Chg. Axles to Drg. No. WTAC-3-02-303	ER	200	LLH	
		Eco.R	135	MCS	
		NR	200	JUDW	
		NER	180	GKP	
		NFR	100	NBQ	
		SR	100	GOC	
		SER	100	KGP	
		ICF	600		
		TOTAL	**1615**		
	WHEELS				
1	BG Chg. Wheels to Drg. No.W/WL-1660/R	CR	300	MTN	
		ER	550	LLH	
		Eco.R	200	MCS	
		NR	400	JUDW	
		NFR	200	DBRT	
		NWR	300	JUDW	
		SR	400	GOC	
		SCR	500	TPTY	
		SWR	300	AP	
		WR	200	PL	
		WCR	150	BPL	
		ICF	300		
		RCF	500	300-JUDW 200-ASR	**On RCF A/C**
		TOTAL	**4300**		
2	MG Loco Wheels to Drg. No.W/WL-4955/R	NER	300	IZN	
		NFR	150	NBQ	
		NWR	50	AII	
		TOTAL	**500**		
3	BG Loco Wheels /DSL Mono Block Rough machined WDM2, WDM3 and WAG5 to Drg. No.	CR	1000	800-BSL 200-PR	
		ER	600	300-JMP 300-KPA	

	W/WL-4948/R	NR	1000	700-CB 300-ASR	
		NCR	150	CNB	
		NFR	100	NBQ	
		NWR	100	100-AII 64-JU	
		SR	500	300-GOC 200-LW/PER	
		SCR	1000	700-RYPS 300-LGD	
		SER	1000	850-KGP 150-Tatanagar	
		SECR	32	RWSS	
		SWR	200	AP	
		WR	400	DHD	
		CLW	1000		
		DLW	300		
		DMW	550		
		TOTAL	**7932**		
4	BG Loco Wheels "S" Shaped	DLW	1500		**ON PRIORITY**
		TOTAL	**1500**		
5	EMU/DEMU Wheels	ER	1000	KPA	
		TOTAL	**1000**		
	TOTAL WHEELS		**15232**		
	<u>WHEELSETS</u>				
1	Complete Wheelsets (Forged)	RCF	300		
		TOTAL	**300**		

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