

GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS  
(RAILWAY BOARD)

No. 2006/M(L)/466/3(1209) WDS6/6R

New Delhi, 20.10.2016

Chief Administrative Officer (R),  
Diesel Modernisation works,  
Patiala.

Executive Director Standards (MP),  
RDSO, Manak Nagar,  
Lucknow.

Chief Mechanical Engineers,  
Central Railway, Mumbai.  
Diesel Locomotive Works, Varanasi.

**Sub: Minutes of coordination meeting regarding WDS6 Loco Production held on  
06.10.2016 at DMW, Patiala.**

A meeting was held on 06.10.2016 at DMW/PTA to review the production of WDS6 type locomotives. Minutes of the meeting is enclosed herewith.

All concerned are advised to take necessary action accordingly.

DA: As above (6 pages).

*A. 3 MIL*  
*20.10.16*  
(Vivek Kumar)  
Exe. Dir. Mech. Engg. (Tr.)  
Railway Board

Note

*Coordination Meeting for WDS6 Loco Production at DMW Patiala on 06.10.2016  
Minutes of Meeting*

Meeting regarding WDS6 Loco production review was held at DMW Patiala on 06-10-2016.  
The items discussed are detailed below:-


Officers Present :-

DMW	CR	Railway Board	DLW
Shri S.K.Luthra, CAO/R	Shri B.L.Patil,CME	Shri Vivek Kumar, EDME/Traction	Shri S.K.Singh, CME(P)
Shri Samarendra Kumar, CME			
Shri Satish Kumar, CPLE			

SN	Item	Action by
1	At the outset, CME/CR assured that all efforts are being made to achieve outturn of the targeted 40 nos. WDS6 locos in this financial year. Outturn so far is 10 nos. (2 nos. July, 4 August, 4 Sept) and now outturn @ 4-5 per month will be required in the remaining months.	
2	Against commitment of 36 nos. of Engine Block for 16-17, DLW has supplied 12 nos. of blocks till Sep,16 and out of these 3 nos. are under transit. DLW has to supply remaining 18 nos. of blocks to Parel. DLW was requested to supply 18 Blocks (Oct-3 nos.,Nov-4 nos.,Dec-4 nos.,Jan-4 nos.,Feb-3 nos), so that these blocks can be used for WDS6 loco production for current year. As for the month of Oct,16, Parel has only 3 blocks, DLW was requested to dispatch one more block within 6-7 days to Parel.  Even with above plan of engine blocks from DLW, there will be short fall by 6 blocks. TGS (Tata) has assured supply from Nov, onward. DMW to chase M/s Tata so that block supplies can start @ 2 per month from Nov,16 onward.	DLW  DMW
3	<b>Hood Over Engine</b> - Status :- Truck carrying 3 nos. under dispatch met with an accident. This was chased with firm and additional 3 nos. are under dispatch and will reach Parel by 12-10-2016. M/s Santek has been told to expedite the further supplies. DMW will ensure supply of hood over engine.	DMW
4	<b>Motorised Wheel Set</b> @ 5 loco per month was required by Parel. The same will be ensured. As Parel had refused to take ready wheel set in Sep,16, CR is requested to look into the issue when supplies of Motorised Wheel Set start coming from DMW.	DMW
5	<b>Camshaft</b> Assembly is critical. DMW advised that 35 sets are	DMW

SN	Item	Action by
	under inspection. 15 sets will be dispatched to Parel by 15-10-2016.	
6	Due to poor quality of assembled water pump and lube oil pump from trade, DMW is procuring / machining items in house. As an one time assistance, 10 nos. of assembled lube oil pump and water pump will be supplied and thereafter DMW will supply water pump and lube oil pump items in kit and further assembly is to be done by Parel.	DMW CR
7	Parel has sought approval of short hood drawing for APU fitment. The same has been communicated to Parel on 04.10.2016.	
8	Quality issues in items such as Water Pump, Lube Oil Pump, Fuel Pump, Extension Shaft, Bogie, CBC Kit, Traction Motor, Gear Case, Pipe Fitting items etc. was told by CME/CR. DMW is taking action on these issues.	DMW
9	Quality problems (Less thrust clearance) in DLW Block DLW-1304, DLW-1327, DLW-1330, DLW-1331 was rectified by DLW and current block DLW-1332 still remains to be attended. DLW to look into the issue.	DLW
10	Issue of defective TGS block TGS-06 which failed due to lube oil starvation need to be investigated by DLW. This block was supplied to Parel against earlier DLW PO.	DLW
11	Defective fuel tanks of M/s CRG was discussed. DMW advised that warranty deduction has already been made. Dy.CMM/Depot-II, DMW has been advised to collect these tanks from Parel.	DMW
12	CME/CR has advised that disposal of surplus items of WDM3D at Parel is required. DMW advised Parel to give list of such items for taking necessary action.	CR DMW
13	Parel has sought DP revision of large no. of items and DMW has accordingly issued MA in respective POs. But now Parel has again sought DP revision. These were discussed in detail. Item wise comments are given at Annexure-I.	
14	ABB has given presentation in which they have shown one ABB TPS-52 supplied against DLW Varanasi, PO No. 011380170.13147656 dated 31.12.13. Testing of this turbo was done at RDSO test bed including vibration measurement. Now this turbo was Operating on Loco no. 36275/WDS6 from 23-Sept-16 onwards at Shakurbasti diesel Locoshed for Field Trials & release by DLW / RDSO. The features of this turbo are :- <ul style="list-style-type: none"> <li>▪ Proven design</li> <li>▪ More compact design than existing TC- VTC214</li> <li>▪ Better fuel efficiencies</li> <li>▪ Lower exhaust gas temperatures</li> <li>▪ No water piping</li> </ul>	DLW ED/ED/RDSO

SN	Item	Action by
	<ul style="list-style-type: none"> <li>▪ Time Between Overhaul : 4 year</li> <li>▪ Lower Cost</li> </ul> <p>RDSO should expedite the final decision on proliferation of the above turbo which can replace existing VTC 214 turbo.</p>	
15	<p><b><u>On demand engine cooling system (ODCS) :</u></b></p> <p>Vide Item No.-11 of EDME/Traction Inspection Note dated 25.01.2016 of Parel Workshop it was instructed as under :-</p> <p><i>In order to lower auxiliary power consumption of shunting locos, one loco has been provided with on demand engine cooling system (ODCS) with hydrostatic drive using a variable displacement pump having electronic controls. ODCS has already been adopted by ICF for series manufacture of HHP DEMU. Apart from fuel savings during idling, faster cooling can be achieved due to higher radiator fan speeds, independent of engine rpm. It is planned to provide ODCS on all WDS6 locos.</i></p> <p>CME/CR has further apprised during the meeting that due to some operational problems in ODCS system, the same was removed. EDME/Traction asked DMW to the development of this work further in association with RDSO, and initially 10 locos be planned to be fitted with ODCS system.</p>	DMW EDSMP
16	<p><b><u>Item no. 6(b) of MM's inspection note no. 2016/M(W)/509/1 dated 13.04.2016 :</u></b></p> <p>The issue regarding development of electric driven auxiliaries on ALCO locos was discussed during visit to DMW, Patiala. DMW advised that M/s BHEL has submitted the proposal for the same. The same need to be expedited and DMW should plan for development of these be fitted on 2 rebuilt locos at DMW/PTA on prototype basis.</p>	DMW EDSMP

  
 (SATISH KUMAR)  
 CPLE

No..DMW/M/MPS-II/97

12<sup>th</sup> Oct 2016

Copy to :-

EDME/Traction/Railway Board :- For Kind information.

CME/CR, CME/DLW, CME/DMW, COS/DMW :- For Kind information.

CWE/CR, CME(P)/DLW, CWM/Parel :- For Kind information & necessary action.

## Delivery of Items for WDS6 Loco

SN	Part No.	Description	Available at Parel from loco no. 2033 onwards	Earlier regulated supply @ 04 loco set per month	Revised Regulated supply @ 04 loco set per month	Decision Taken during Meeting
a	b	c	d	e	f	g
1	12202393	Control Compartment	30 nos.	15.11.2016	15.01.2017	In view of sufficient stock at Parel, qtys. Will be accepted at DMW/PTA.
2	12022251	Alternator TA10106	34 nos.	15.07.2016	15.02.2017	As Parel has already accepted 7 nos. of TA as such DMW to change consignee and take delivery at DMW/PTA for remaining qty.
3	11534783	Fabricated Under Frame	18 nos.	15.06.2016	01.10.2016	@ 4 nos. per month from Dec,16 onward.
4	11892559	ATHS Bogie Frame	08 Loco Set	15.09.2016	15.08.2016	Parel will accept @ 8 bogies from Oct,16 onward.
5	10020287	Main Base Mach	59 nos.	15.07.2017	15.10.2017	In view of sufficient stock at Parel, DMW will take balance qtys at PTA.
6	11662840	Air Compressor	34 nos.	15.12.2016	01.12.2017	In view of sufficient stock at Parel, DMW will take balance qtys at PTA.
7	11420236	Panel Radiator	27 Loco Set	15.11.2016	15.12.2016	In view of sufficient stock at Parel, DMW will take balance qtys at PTA.
8	10061307	Lube Oil Cooler	43 nos.	15.02.2017	15.04.2017	In view of sufficient stock at Parel, DMW will take balance qtys

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a	b	c	d	e	f	g
						at PTA.
9.	11700154	Hood Drive Engine	Nil (05 nos. in transit)	15.05.2016	01.08.2016	DP not be changed. Parel will accept @ 5 nos. per month
10	11700166	Short Hood	20 nos.	15.05.2016	01.11.2016	Qtys. will be regulated @ 5 nos. per month from Nov,16 onward
11	11700178	Radiator Compartment	18 nos.	15.08.2016	15.10.2016	Qtys. will be regulated @ 5 nos. per month from Oct,16 onward
12	12130205	Master Controller	23 Loco Set	15.04.2017	15.11.2016	This is small item. Qtys. will be supplied as per DP mentioned at col "e" .
13	11433115	Coupling end to Comp.	66 nos.	01.04.2017	01.10.2017	This is small item. Qtys. will be supplied as per DP mentioned at col "e" .
14	10060376	Assly Lube Oil Strainer	33 nos.	01.12.2016	01.01.2017	This is small item. Qtys. will be supplied as per DP mentioned at col "e" .
15	10080454	Fan Drive Assembly	50 nos.	01.10.2016	15.06.2017	This is small item. Qtys. will be supplied as per DP mentioned at col "e" .
16	10050863	Over Sped Trip Assly	25 nos.	01.10.2016	01.11.2016	This is small item. Qtys. will be supplied as per DP mentioned at col "e" .
17	10055870	TMS Rear	68 nos.	01.08.2017	01.10.2017	This qty is for 17-18 as such no change is required.

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a	b	c	d	e	f	g
18	11053677	FTMB	63 nos.	01.07.2017	01.09.2017	This qty is for 17-18 as such no change is required.
19	10020025	Vibration Damper	28 nos.	15.04.2016	15.12.2016	This is small item. Qtys. will be supplied as per DP mentioned at col "e" .
20	10060390	L.O. Filter Assly	05 Loco Set	01.05.2016	01.08.2016	This is small item. Qtys. will be supplied as per DP mentioned at col "e" .
21	10050942	Gear Casing & Support	24 Nos.	---	15.11.2016	This is small item. Qtys. will be supplied as per DP mentioned at col "f" .
22	11543413	Cab Structure	07 Nos.	---	01.08.2016	As this item is delivered at DMW, supplies will be regulated.
23	10050796	Governor Drive Assly	73 Nos.	---	01.12.2017	This item will be accepted at DMW.
24	10031250	Cam Gear Cover AC/DC	33 Nos.	---	01.01.2017	Item is small, further Parel has already given consent to dispatch. Qtys. will be supplied as per DP mentioned at col "f" .