



MINISTRY OF RAILWAYS

RAIL WHEEL PLANT
Vill. - BELA
P.O.- ARVIND NAGAR,
DISTT.- SARAN,
BIHAR-841221
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R. P. Singh
Chief Administrative Officer

D.O. No. RWP/CAO/MCDO/18

Date: 08.04.2019

Dear Shri Rajesh Agsawal,

Sub:- MCDO for the month of March, 2019

1.0 Highlights:

1.1 Plant is on the way of continuous improvement w.r.t. quality of wheels cast as can be seen from the following trend of rejections of BG coaching wheels:-

Period	% of rejection
2016-17	11.88
2017-18	18.6
2018-19	19.5
Jan'19	17.3
Feb'19	9.9
March'19	9.6

1.2 Total casted BG coaching wheels in 2018-19 is **25,751** under constraints of less mould blanks & ladle lining bricks whereas in 2017-18 was 26004.

1.3 Total wheel dispatch in 2018-19 is **20,754** and 7 nos BOX'N' & 4561 BGC wheels awaited for dispatch as on 31.03.2019 and dispatch in 2017-18 was **17,753 BGC** and 5523 BOX'N' wheels.

1.4 Plant is on the way of continuous improvement w.r.t. saving in electricity consumption as can be seen from the following trend of specific consumption per heat and per wheel:-

Period	Energy Consumption in MWH	No. of Heat	Specific Consumption in MWH/HEAT	Cast Wheel	Specific Consumption in per cast wheel
2017-18	41242.320	880	46.866	26004	1.586 MWH/Wheel
2018-19	39535.10	870	45.443	25751	1.535 MWH/Wheel
Jan'19	5221	137	38.10	3958	1.319 MWH/Wheel
Feb'19	3694	93	39.72	2986	1.237 MWH/Wheel
Mar'19	4074	115	38.90	3518	1.158 MWH/Wheel

Following measures taken to reduce the specific energy consumption in 2019:

- (i) Filtration of Transformer oil of 11 sub stations. BDV test for all 30 transformers carried out and value of dielectric strength of transformer oil is in range (i.e. 30 kv above).
- (ii) 15 transformers out of 30 was kept shut down for proper energy management. It minimizes the losses (i.e. iron loss, Cu loss, Eddy current losses etc.) and load of that transformer (shut down) shifted to other through bus coupler- from Jan'2019
- (iii) 30 Nos. 13 W CFL fitted in admin building.
- (iv) 24 nos. 90 W LED street light fitted in officers colony street light. 133 Nos., 9W LED light fitted in CAO Bungalow, & ORH.
- (v) 45 No. 23 W CFL fitted in WFPS, Mould Room, Porta Cabin, emergency light in pump house area..
- (vi) One motor (30 HP) out of two motor of sand plant dust collector system has isolated as stand by with necessary modification by MMR team as one motor is fulfil the requirement of suction.
- (vii) Calibration of 66 energy meters installed at 11 Sub stations has been done.
- (viii) Work done on APFC panel for improvement of power factor. Power factor is a major component in measuring electrical consumption. As most of load is inductive in nature which results in lagging power factor that is why there is loss and wastage of energy which results in high power bills. 14 panels out of 22 panels are working in auto.

1.5 Following major work done by MMR shop departmentally and saving Railway money:

- A) About 500 links of released FLIGHT ROLLER CONVEYOR (FRC) were lying in basement since long. Earlier it was decided to repair these rollers and stack properly through outsource, but private agencies offered quotation of approx 2,00,000/-. Further, it was decided to do this work departmentally and approx. 300 links were repaired out of 500 after segregating good and defective parts. Spares for remaining 200 links have also been planned.
- B) At discharge end of COPE HOLDING OVEN (C-20 & C-21):- It was observed that the copes were shifting from its centreline, which causes improper sitting of Cope over Drag. The system has been modified by providing 04 Nos. guide roller on both side at discharge end of C-20 & C-21 in order to avoid shifting of copes. This modified system is working satisfactorily and proper sitting of cope over drag is being insured now.
- C) SAND PLANT DUST COLLECTION SYSTEM:- 01 no. bearing housing of Sand Plant dust collection impeller unit has been modified for ease in maintenance by replacing the existing spherical roller bearing with tapered roller bearing having self aligned property in order to minimize vibration. The modified system is working satisfactorily.
- D) WHEEL LOADER ASSEMBLY AT SPG:- wheel loader assembly for Sprue grinding, there was no any maintenance platform. It was very difficult to attend the breakdown for wheel loader assembly and also unsafe for staff. Keeping in view the maintenance ease and to ensure safety of maintenance staff while attending breakdowns, a maintenance platform has been fabricated near the wheel loader assembly.

2.0 Assistance required:

(i) Posting of Officer's department wise at RWP/Bela as per following vacancies

Department	Grade	Sanction	On Roll	Vacancy
Administration	HAG	1	1	0
	JAG	1	0	1
	JS	1	0	1
Mechanical	SAG	2	2	0
	JAG/SG	3	3	0
	SS	3	1	2
	JS	4	2	2
Store	SAG	1	1	0
	JAG/SG	1	1	0
	SS	1	1	0
	JS	1	2	-1
Finance	SAG	1	1	0
	JAG	1	1	0
	SS	1	1	0
	JS	2	0	2
Metallurgy	JAG	1	1	0
	SS	1	0	1
Electrical	JAG	1	1	0
	SS	2	0	2
	JS	2	0	2
Information Technology	JAG/SG	1	1	0
	JS	1	0	1
Engineering	JAG	1	1	0
	SS	1	1	0
	JS	1	0	1
Personnel	JAG/SG	1	1	0
	JS	1	1	0
Medical	SAG (DACP)	1	2	-1
	SS	1	0	1
	JS	1	1	0
Security	JS	1	1	0
TOTAL		42	28	14

(ii) Minimum additional post creation/sanction at RWP/Bela from RB pool is urgently needed for smooth running of plant in three shifts.

(iii) A fresh proposal for out of turn work "Secondary fume Extraction system for pollution control" duly vetted by associated finance and approved by CAO/RWP/Bela, under PH-42, DF-3 is send for approval of Railway Board on 11/02/19, through IRPSM portal. It may kindly be approved.

