



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: 14.03.2019

Dear Shri Rajesh Agrawal,

Sub:- MCDO for the month of February, 2019

1.0 Highlights:

- 1.1 Casting of wheels **2986** BG Coaching wheels was achieved from **93** heats in F.Y 2018-19 with all 100% being with good chemistry in Feb- 2019.
- 1.2 **3499** nos. of wheels were done Heat-treatment during the month in F.Y 2018-19.
- 1.3 **3365** nos. of wheels were done SPG & Hub Cut during the month in F.Y 2018-19.
- 1.4 **1656** BG coaching wheels were despatched during the month. In addition, **1433 (BOXN-7 & BG Coaching-1426) wheels are awaiting despatch as on 28.02.19.**
- 1.4 Total energy consumption reduced to 1350.55 MWH which is less by 403.21 MWH of last month energy consumption i.e. 1753.76 MWH. 15 transformers out of 30 transformers has been shut down in rotation to operate the transformer in full load, it minimize 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, this modification has save electrical energy upto **Rs. 33,46,643/.**

1.5 Modification in Sand Plant Dust Collector Motors System:-

In the Sand Plant dust collector system, there are 02 nos. of dust collector motors installed in parallel for suction of same line as per design. Both dust collector motors (Rating: 2x30HP) were working at the same time. Only one motor can fulfill the requirement of required suction. We had isolated one motor as standby with necessary modification by MMR team, and load given on only one motor on trial basis. The system worked normally.

Calculation for Energy Saving in one Hydraulic Pump in one month (avg working 20 Hrs.)

22.5KW(30HP) x 20 Hrs. = **450 KWH (Unit)**, Electrical Energy Tariff: Rs. 6.00/-Unit

Cost Saving Per day: 450 KWH (Unit) x 6.00 = **Rs. 2700/-**

Cost Saving per Month (Avg 25 working Days) = Rs. 2700/- x 25= Rs. 67500/-

By modifying this arrangements we are now able to save electrical energy of Approx. **Rs. 67,500/- per month.**

- 1.6 Plant is on the way of continuous improvement w.r.t. quality of wheels cast after three shift working started from Nov'18, as can be seen from the following trend of rejections:-

Period	BG Coaching	Period	BG Coaching
Apr'2018	25.25%	Oct'2018	21.65%
May'2018	19.3%	Nov'2018	22.6%
June'2018	23.0%	Dec'2018	21.6%
July'2018	27.44%	Jan'2019	17.3%
Aug'2018	24.6%	Feb'2019	9.9%
Sep'2018	21.6%		

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	4	-1
	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	29	13

(ii) Minimum additional post creation/ sanction at RWP/Bela from RB pool 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.

3.0 Production performance:

Description	Ist Qtr.		IInd Qtr.		IIIrd Qtr.		IVth Qtr. (Upto Feb.)		Cummulative		Rejection		Remarks
	17-18	18-19	17-18	18-19	17-18	18-19	17-18	18-19	17-18	18-19	17-18	18-19	
WTA Allotment													
BOX'N'	4375	0	1018	0	60	0	0	0					
BGC	3335	6534	4580	8152	6403	6865	3500	4596					
Total	7710	6534	5598	8152	6463	6865	3500	4596					
Wheel Dispatch													
BOX'N'	4381	0	1082	0	60	0	0	0	5523	0			
BGC	3355	6439	4572	4572	6348	5374	3418	2257	17693	18642			
Total	7736	6439	5654	4572	6408	5374	3418	2257	23216	18642			
Wheel Cast													
BG Coaching Wheel	7425	3044	5630	6059	7453	6186	3183	6944	23691	22233			
SPG & Hub Cutting of BG Coaching Wheel	6861	2838	6297	6189	5910	8452	3427	6535	22495	24014			
Heat Treatment of BG Coaching Wheel	5971	2858	7752	4722	4694	6640	1650	6870	20067	21090			
									18.6%				
											21.1% (Upto Feb.-19)		
													1 st lot of 250 BG coaching wheels were despatched on 21.10.2016.
													Casting of BG Coaching wheel started from Sep'2016
													Heat suspended from 23.04.18 to 02.06.18 and from 16.07.18 to 30.07.18 (Non availability of Graphite Moulds) and from 01.10.18 to 06.10.18; from 20.10.18 to 03.11.18; from 13.02.19 to 20.02.19 and on 28.02.19 due to non availability of Ladle lining Bricks.

