



पूर्व मध्य रेल
डीजल रोड समस्तीपुर
पिन - 848101



(ISO 9001:2008, 14001:2004, 18001:2007 certified organization)

E.C. Railway

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No- M/DSL/SPJ/Stat/Training/55 / 6050

Date- 09.01.18

Chief Motive Power Engineer
E. C. Railway, Hajipur

Sub: - Project Saksham - Ensuring training for each employee.

Ref:- (i) Chairman/Railway Board's D.O. L/no.- E(MPP)/2017/3/25 dtd. 30.10.17

(ii) CME/HJP's office L/no. ECR/Mech./Dsl/709 dtd. 15.12.17

In reference above training calendar details are as under:-

Section	Date	Period of training	Type of training (Class/room/On job)	Subject/contents of training for practical improvement	No of participants/designation (Tech + Help)	Nominated trainer/Sri
Mechanical Major	29.11.17	29.11.17 to 19.12.17	On Job	Initial testing load box testing, all cyl. head & crank case cover. All valve level, all water jumper roof hood, lube oil 'L' pipe, H P tube, carbony removing. TSC. Air Maize Compressor water outlet header, after cooler removing.	02 Tech. 02 Help.	A. K. Deokuliyar/SSE
	30.11.17		On Job	Water riser pipe all inlet elbow, Exhaust fold. All support lubricating pipe, all FIP & all support removing. Both side water radiator and lube oil cooler removing. All piston connecting rod bold detorquing.	02 Tech. 02 Help.	Abhishek Sonal/SSE
	01.12.17		On Job	All cylinder head removing, water pump removing, both side cam gear cover removing. All fuel oil and lube oil valves removing. Radiator fan, radiator fan Brg. Housing. Universal shaft and RTTM MP removing. All piston removing. All liner removing.	02 Tech. 02 Help.	A. K. Deokuliyar/SSE
	02.12.17		On Job	Washing, steel pipe and nut bolts cleaning. All removal material collect from platform.	01 Tech. 02 Help.	Abhishek Sonal/SSE
	04.12.17		On Job	Floor checking & fuel oil tank foundation bolt tightness checking.	01 Tech. 02 Help.	A. K. Deokuliyar/SSE
	05.12.17		On Job	Side cam gear, split gear, Drive gear, lube oil pump gear teeth checking, all cam shaft lobe, all cam bush cleaning, both side expansion tank checking. Main Beating no. 2, 5 and 7 shell checking & changed. Oil all flexible pipe & copper pipe removing, now flexible pipe select sent to OVH section for hydraulic test. Removal and annealing of pipes	02 Tech 01 Help.	Abhishek Sonal/SSE
	06.12.17		On Job	Liner sleeve bore measurement & liner select, liner cleaned, liner place in loco and liner press and liner bore measurement taken. Checking Main Brg shell no. 1, 4 and 6 and changed. Radiator room and compressor room all gasket changed.	01 Tech. 02 Help.	A. K. Deokuliyar/SSE

Handwritten notes and signatures:
MPP
of control
19/12/17

	07.12.17		On Job	Checking Main Brg shell no. 3, 8 and 9 changed. 'V' gallery cleaned, support face, air maize cleaned & baggie filter changed. Lube oil cooler and cooler side radiator fitting & all connection.	01 Tech. 02 Help.	Abhishek Sonal/SSE
	08.12.17		On Job	Radiator fan, radiator fan Brg Housing, universal shaft water top & bottom equalizing pipe fitting. Water pump fitting, water pump backlash checking, water pump suction pipe fitting and compressor place and flexible coupling tight. All piston place and cap fitted.	02 Tech. 01 Help.	A. K. Deokuliyar/SSE
	09.12.17		On Job	Connecting rod bolt elongation. Lube oil filter drum cleaned & their shocks change lube oil strainer cleaned & basket changed. Water glow rod gauge cleaned, 'V' belt places, horizontal shaft connect and belt seal, RTTMB fitting and blower side radiator fitted & connection completed. All cyl. Head place & truing. All support & all FIP.	01 Tech. 02 Help.	Abhishek Sonal/SSE
	11.12.17		On Job	Compressor alignment and fast coupling fitted after cooler fitted, TSC fitted. All lube oil 'L' pipe & H. P. Tube, T jumper fitment sump nut removing. sump & nut cleaning and nut fitting.	01 Tech. 02 Help.	A. K. Deokuliyar/SSE
	12.12.17		On Job	Fuel gallery & engine block hydraulic test air inlet elbow and exhaust manifold fold fitting. Air maize & water outlet header pipe fitting. 'T' jumper, 'O' ring changing. All valves levees fitment. All support and support lubricating pipe fitment. All flexible pipe and copper pipe fitment. All 'S' pipe fitment.	02 Tech. 02 Help.	Abhishek Sonal/SSE
	13.12.17		On Job	Free and all pipe connection, all valve & OST assembly and plunder fitment. Fuel oil primary & secondary fitment changed, fuel tank cleaned and fuel oil system checked and T.G. deflection checked. All tapper & timing and adjusted. Water fill and leakage checked, lube oil added recirculation lube oil system checked fuel oil system checked and loco start.	02 Tech. 01 Help.	A. K. Deokuliyar/SSE
	14.12.17		On Job	Breaking test.	01 Tech. 01 Help.	Abhishek Sonal/SSE
	15.12.17		On Job	Notch up testing and hot engine testing.	01 Tech. 01 Help.	A. K. Deokuliyar/SSE
	16.12.17		On Job	Load box testing and SFC, dynamic filter pipe connection. hand roll fitting.	01 Tech. 01 Help.	Abhishek Sonal/SSE
	18.12.17		On Job	Truck roll in bogie section.	01 Tech. 01 Help.	A. K. Deokuliyar/SSE
	19.12.17		On Job	Load box repair attention, roof & hood firing, carbody, center hood fitting G/checking self load box testing and loco given fit for work. Thermal insulation fitting.	01 Tech. 02 Help.	Abhishek Sonal/SSE
Mechanical OVH	11.12.17	11.12.17 to 20.12.17	On Job + Class room	OVH procedure of Nozzle & FIP	3+2	G. Singh/SSE
	12.12.17			OVH procedure of cylinder head.	3+2	
	13.12.17			OVH procedure of FIP support	3+2	
	14.12.17			OVH procedure of water pump, RTTMB.	3+2	
	15.12.17			OVH procedure of fuel oil valve, lube oil valves, centrifuge OST plunger, OST assembly.	3+2	G. Singh/SSE

	16.12.17			OVH procedure of lube oil pump, right angle gear box.	3+3	G. Singh/SSE
	18.12.17			OVH procedure of after cooler lube oil cooler, rod core.	3+3	Niraj Kumar/JE
	19.12.17			OVH procedure of radiator fan drive housing, universal shaft, radiator fan.	3+2	
	20.12.17			OVH procedure of piston, connecting rod & rocker arm.	2+3	G. Singh/SSE
Spare Cell	11.12.17	11.12.17 to 16.12.17	On Job + Class room	Material demand process - stock and non-stock DS2, DI.W, DMW indent.	1+3	Mandip Kumar/SSE
	12.12.17			RSP, BHEL indent, EAC revision stocking of material (Q-form)	1+3	
	13.12.17			Suitability process, billing of non-stock items.	1+3	
	14.12.17			Stock item warranty claim, visioning with stove regarding material piston, critical item monitoring.	1+2	
	15.12.17			CRI making for material demand from store, material heaping of stock & non stock items.	1+2	
	16.12.17			Issue note making for issuing material to different sheds, debit-credit. Tool room item position & record keeping.	1+2	
Bogie Section	11.12.17	11.12.17 to 16.12.17	On Job	Safety item checking	3+3	A.K. Verma/JE
	12.12.17			Traction motor changing.	3+3	
	13.12.17			Wheel changing.	3+3	
	14.12.17			Trolley assembling.	4+4	
	15.12.17			Grease pumping in axle box.	4+3	
	16.12.17			UST of axle / wheel measurement.	3+3	
Electrical OVH	11.12.17	11.12.17 to 20.12.17	On Job + Class room	Test bench section	3+3	Saikat Shaw/SSE
	12.12.17			Small motor section	3+3	
	13.12.17			Speedometer section	3+3	
	14.12.17			MCBG Gov. section	3+3	
	15.12.17			Traction motor section	3+3	
	16.12.17			Switch gear section	3+3	
	18.12.17			Battery Section	2+3	
	19.12.17			Aux. Machine section	2+3	
	20.12.17			Under frame electrical section.	2+2	
	Air Brake Overhauling			11.12.17	11.12.17 to 15.12.17	
12.12.17		C3W distributor valve, Auto drain valve, Duplex check valve & Pressure limiting valve	3+3			
13.12.17		Pressure Regulating valve, R0 Relay air valve, SD1W Relay valve, Air flow Measuring valve. SA9 independent brake valve & A9 automatic brake valve.	3+3			
14.12.17		EPG magnet valve. (3008C), VCD Magnet valve(3332), Release Run Magnet valve(3282) & DI Magnet valve(3097)	3+3			
15.12.17		Overcharge Magnet valve(3163), Air horn, Wiper Motor & Air Dryer	3+4			
Compressor Overhauling	16.12.17	16.12.17 to 18.12.17	On Job + Class room	Complete Overhauling of Compressor	3+4	Kumar Saurav/SSE

