

MECHANICAL (C&W) BRANCH

1. Introduction

C&W Department of Agra Division is comprised of following units:

- I. Agra Cantt C&W Depot/Sickline
- II. Agra Fort C&W Depot
- III. Mathura C&W Depot
- IV. Baad Tank Wagon Depot
- V. Dholpur Coaching Depot (NG)

2. Cadre Position:

Sr.No.	Cadre position	Post/Class	SS	MOR	Vacancy
1	Gazetted (Mech)	Sr.DME(C&W)	01	01	0
		DME(C&W)	01	01	0
		ADME(C&W)/AGC	01	01	0
		ADME(C&W)/BAAD	01	01	0
		Total	04	04	0
2	Non Gazetted	C&W III	536	403	133
		C&W IV	209	138	71
		Total	745	541	204

3. Action Plan target for Agra Division (Coaching) for 2019-20, 20-21 & 21-22

SN	Item		2019-20		2020-21		2021-22 (Up to 28 June 2021)	
			Target	Actual	Target	Actual	Target	Actual
1	Coach Detachment	Territorial (Oth. Rly)	1	5	2	0	2	0
		Ownership	0	1	1	0	1	0
2	Ineffective	AC Coaches	10%	5.56	6%	3.98%	6%	2.89%
		All other Coaches	8.5%	4.64%	5%	3.52%	5%	1.56%
3	Punctuality loss	Total	100	154	100	42	25	7
4	IOH		168	80	168	129	42	13
5	Secondary Detachment	Territorial	0	0	0	0	0	0
		Ownership	0	0	0	0	0	0

4. Performance targets for Agra Division (Freight stock) for 2019-20

SN	Items	2019-20		2020-21		2021-22 (Up to 28 June 2021)	
		Target	Target	Target	Actual	Target	Actual
1	ROH	1296	1458	1296	984	324	272
	Average	108	121.5	108	82	108	90.66
1	i. Maintenance of CC rakes	360	290	480	340	120	81
	ii. Premium. (Based on actual arising as per Traffic Requirement.)	-	223	-	253	-	72
	iii. Intensive (Based on actual arising as per Traffic Requirement.)	-	236	-	181	-	54
3	Wagon ineffective (in % of Wagon Holding)	0.70%	0.38%	0.70%	0.36%	0.70%	0.46%
4	Hot Axle	9	13	9	10	2.25	02
5	Train Parting	8	4	8	4	2	02
6	Detachment of wagons	29	5	16	7	4	02
7	Poor Brake power	0	0	0	0	0	0
8	Spring breakage	0	0	0	0	0	0
9	Journal Breakage	0	0	0	0	0	0

C&W Depot:**Coaching Depot, Agra Cantt.**

Coaching Depot AGC is engaged with Primary and Terminal Examination of Mail/Express, Passenger trains. At AGC originating, terminating, rolling-in/out examination and watering of en-route Mail/Express trains are being done.

Work load**1. Primary maintained trains at AGC**

SN	Train No.	Ex - To	Train name	Load	Frequency
1	12547/48 Rake 02(LHB rake)	AGC-ADI	AGC-ADI Express	21 =42	04 days in a week.
2	51901/902 (05rakes)	AGC-DLI-SRE	Passenger	14 = 28	Daily
3	12177/2178	MTJ-HWH	Chambal Express	22=44	Weekly
4	20975/76	AGC-HWH	Chambal Express	22=44	Weekly

2. Secondary Maintenance: Nil**3. Turn Round attention**

SN	Train No.	Ex - To	Train name	Load	Frequency
1	51831/32	AGC-JHS	Passenger	10=20	Daily
2	51815/16	AGC-JHS	Passenger	10=20	Daily
3	14211/12	AGC-NDLS	Intercity Express	24=48	Daily
4	51881/82	AGC-GWL	Passenger	10=20	Daily
5	12161/62	AGC-LTT	Lashkar Express	21=42	Weekly(Sat)
6	12319/20	AGC-KOAA	AGC-KOAA Express	15=30	Weekly(Thu)
7	13167/68	AGC-KOAA	AGC-KOAA Express	17=34	Weekly(Sat)

4. Average No. of Passing through trains for Rolling In/Out examination

In Number.	Up Trains	Down Trains	Total Trains
	69	69	138

5. Other activities:

- 5.1 Maintenance of Inspection Carriages.
- 5.2 Complaints of Goods train.
- 5.3 Maintenance of Fire Extinguishers over Agra Div. (Approx. 640 nos)
- 5.4 Flying Squad works in section.
- 5.5 Maintenance of ART & ARME and rescue work.
- 5.6 Divisional Control (C&W) Management
- 5.7 Attention of the Sick Wagons Detached by Traffic.

6. Major Infrastructure Facilities

Sl.No.	Description	Qty	Capacity
1	Pit line with Catwalk (CAMTECH Design)	02 nos	26 coaches (650 m)
2	Other Stabling line for Maintenance	01 nos	17 coaches
3	Sick line shed having 04 nos. maintenance Pit (with 15 Ton EOT)	80 X 20 mtr (1600 sqmtr)	06 coaches
4	Sick line service Building	(80 X7.5 mtr)X2 (1200 sqmtr)	
5	Depot Store Building	140 sqmtr	
6	New BTC Building	(40 X7.5 mtr) (300 sqmtr)	
7	Service Building for Rake Maintenance	160 sqmtr	
8	Overhead water Tank	01 nos	225000 ltrs
9	Linen Room	01 no	
10	Bio Toilet Lab	01	

COACHING DEPOT, AGRA FORT

Coaching depot AF is engaged with Primary Maintenance of Mail/Express, Passenger trains. At AF originating, terminating, rolling-in/out examination and watering of en-route Mail/Express trains and en-route unusual attention of Coaching and Freight are being done.

Work load

1. Primary Maintained trains at AF.

SN	Train No.	Ex - To	Train name	Load	Frequency	Remark
1	12195/96	AF-AII	Intercity Express	17 = 34	Daily	-
2	12179/80	AF-LJN	Intercity Express	16=32	Daily	-

2. Secondary Maintenance: Nil

3. Trains Turn Round Attention

SN	Train No.	Ex - To	Train name	Load	Frequency	Remark
1	22987/88	AII-AF	SF Express	14=28	Daily	-
2	15055/56	AF-RMP	Express	16=32	Tri-Weekly	-
3	59811/14	AF-KTT	Passenger	12=24	Daily	-
4	55333/34	AF-KSJ	Passenger	10=20	Daily	-
5	59813/12	JAB-KTT	Passenger	12=24	Daily	At JAB

4. Average No. of Pass through trains for Rolling In/Out examination

	Up Trains	Down Trains	Total Trains
In Number.	15	15	30

5. Other activities:

- 5.1 Attention Complaints of Goods trains.
- 5.2 Flying Squad works in section for unusual attention
- 5.3 Sick Wagons Detached by Traffic

6. Major Infrastructure Facilities

- 6.1 Coaching Sick line NIL
- 6.2 Examination Pit line 01 no. (22 Coaches, without Catwalk)
- 6.3 Stabling line NIL
- 6.4 Bio-Toilet Test Lab 01

Coaching Depot, MTJ

Coaching depot MTJ is engaged with Rake Maintenance of Mail/Express, Passenger trains. At MTJ originating, terminating, Rolling-in/out examination of en-route Mail/Express trains and En-route unusual attention of Coaching and Freight trains are being done.

Work load:

1. Primary maintained trains at MTJ

SN	Train No.	Ex - To	Train name	Load	Frequency
1	51973/74	MTJ-JP	Passenger	12=24	Daily
2	51971/72	MTJ-AWR	Passenger	09=18	Daily

2. Secondary Maintenance: Nil

3. Trains Turn Round Attention at MTJ

SN	Train No.	Ex - To	Train name	Load	Frequency
1	54793/94	MTJ-SWM	Passenger	10=20	Daily
2	54791/92	MTJ-BNW	Passenger	10=20	Daily
3	55353/54	MTJ -KSJ	Passenger	13=26	Daily
4	55339/40	MTJ-KSJ	Passenger	12=24	Daily
5	22531/32	MTJ-CPR	MTJ-CPR Express	22=44	Tri weekly

4. Average No. of Pass through trains for Rolling In/Out examination

In Number.	Up Trains	Down Trains	Total Trains
	24	24	48

5. Other activities:

- 5.1 Goods trains Complaints attention.
- 5.2 Enroute unusual/failure attention.
- 5.3 Attention to the Sick Wagons Detached by Traffic.

6. Major Infrastructure Facilities

- 6.1 Examination Pit line 01 no. (13 Coaches, without Catwalk)
- 6.2 Washable Apron with Catwalk 01 no. (10 coaches)
- 6.3 Washable Apron line 01 no. (24 Coaches)

Narrow Gauge Coaching Depot/DHO

Activities under taken by C&W Depot, DHO:

Primary maintenance of NG coaching & allied stock i.e. RA, ART, ARMV and Monsoon wagon(Gauge 762mm)

Receive & dispatch of 01 NG rake including Rolling in/out examination.

Sick line attention of NG coaching stock.

BG: Examination of Tower wagons & UTV machine on receipt of memo.

Un-usual attention on control message.

1. Primary maintained trains at DHO.

SN	Train No.	Ex - To	Train name	Load	Frequency
1	52179/80	DHO- SRMT	Passenger	05=05	Daily
2	52181/82	DHO-TPO	Passenger	05=05	Daily

2. Major Infrastructure Facilities

Examination Pit line – 01 Capacity: 05 Coaches (Without catwalk)

Stabling line – 01 Capacity: 10 coaches

Coaching Sick line-01 Capacity: 01 coach

Tank Wagon Depot Baad

Tank wagon Depot, Baad, located at a distance of 10.5 Kms. from Mathura Junction, is a major tank Wagon Depot dealing with maintenance of tank wagons used for transportation of various oil products from Mathura Refinery to various destinations safely.

Tank Wagon Depot, Baad has a facility of ROH shed, sickline repairs and various types of Yard examination. In this repair depot placement and removal of sick wagon and fit wagon can be done from both side. i.e. Delhi & Agra end. It has a Boiler House, ETP, Master Valve gantry etc. ROH of BTPN & IOH of BVZI is being carried out in the ROH shed.

CC, Premium and Intensive Examination of BTPN rake are being done at Baad examination Yard.

1. TYPE OF WAGON ATTENDED

S.N.	DESCRIPTION
1.	BTPN
2.	BVZI+BVCM
3.	BOBYN

2. TANK WAGON DEPOT BAAD AT A GLANCE

1. Situated in AGC-PWL section of Agra Division at Km.1386.84
2. Distance from NDLS 150.82 Km.& 43.57 Km. from AGC.
3. Situated near Mathura Refinery just 10 Km. from Mathura Junction Station.
4. POL maintenance Depot.
5. Two siding namely – HPCL & BPCL siding is fed by Baad Yard. Both siding are private siding, maintained by Railways.

3. IOCG Siding.

1. IOCG siding is basically loading siding and major products being loaded are NPA,MS,HSD, SKO,ATF, FO,BIT.
2. Occasionally unloading is also done in IOCG and major products are – SRGO & MTBE.

4. Details of Baad Yard :

1. BTPN Rakes receiving & dispatch yard.
2. Marshalling yard.
3. Repair depot.
4. Exchange yard.

5. BTPN Rakes Receiving & Dispatching (R&D) Yard.

BTPN rakes receiving & dispatching yard having 7 electrified lines (R1, R2, R3, R4, R5, R6 & R7) of full length. One engine escapes line of full length. Baad Yard has total 09 lines as to receive and dispatch loads out of nine nos. of lines only lines R 8 and R9 are non electrified lines and are nominated for CC examination having all facilities.

For reception of train from up direction (i.e. MTJ end) direct reception facility is available supported by waiting line at MTJ end of Yard.

For reception of from down side (i.e. AGC end) direct reception facility is available for R1 and indirect reception facility is available for R2 to R7.

For dispatch is down side direction all R&D lines are provided with sig. supported with DN Waiting Line.

After Examination, BPC is issued online through FMM portal.

6. Repair Depot :

There are three non electrified lines available in repair depot, all lines are used for repairs of sick wagons. In addition, two lines are available for placement on steam cleaning and Master Valve repair Gantry where steam cleaning Chemical Cleaning and attention to Mater valve, Bottom Discharge Valve and Barrel is given.

7. Sick Line (infrastructure):-

S.N.	Line No.	Length in mtrs	Capacity
1.	Repairs line No.1	110	8 Wagons
2.	Light repair line No.2	100	7 Wagons
3.	Light repair line No.3	100	7 Wagons
4.	Steam Cleaning facilities		06 Wagons
5.	Master Valve/ Barrel testing Gantry		06 Wagons

8. ROH Infrastructure:

- ROH covered shed (Size: 90 mtr X 15 mtr)
- EOT capacity 15/3 TON: 02 Nos.
- Boiler Capacity: 4Ton.
- Number of repair lines: 02 nos.
- Berthing capacity: 04 wagons on each lines.
- UST facility under canopy.
- Equipped with compressed Air supply line, Welding facilities, Manipulators, trestles etc.