

## MEMU SHED ASANSOL, EASTERN RAILWAY

On 11th July 1994, first MEMU service has been started in Asansol- Burdwan (105 KM) section in Eastern Railway. Only (TI) trip inspection of MEMUs was done at old coaching complex, Asansol and major inspection (IA) & heavy lifting were done at EMU car shed, Howrah. TRS/MEMU Shed/Asansol was established in the year 1999, with a holding of 30 nos. MCs and 90 nos. TCs with limited maintenance facilities. Presently the shed is functioning with holding of 92 MCs and 278 TCs against the installed capacity of 45 MCs & 135 TCs. With these coaches 28 rakes of 12-car and 04 rakes of 8-car are maintaining 127 link services over Eastern, East Central & South Eastern Railway & Northern Railway out of which 98 link run in ASN Division. There is line requirement of 25 rakes of 12-car (including 02 rake as operational spare) and 04 rakes of 08-car. Remaining 03 rakes are being used as maintenance spare including 02 rakes for POH at KPA Shop. Average Rake KM /Day/ Rake in use (actual) is 482.08.

- 1 **COMMISSIONING OF MEMU RAKES:-** 13 number new MEMU rakes of 08-car were received from RCF/Kapurthala and commissioned at MEMU Shed, Asansol during this year.



- 2 **MEMU RAKE RENOVATION:-** One MEMU Rake No. 21019+ 21014+25008 renovated during the month of May 2019 with in-house facility and same rake has been inaugurated by DRM/ASN on 8th May 2019. Two number renovated toilet coaches have been fitted in the rake.



- 3 **NOW MEMU SERVICE IN UDL-SURI: -** One pair new MEMU train (No. are 06501 & 06502) has been introduced in UDL-SURI-UDL section from 29<sup>th</sup> November 2019.



- 4 **NOW MEMU SERVICE IN ASN-BRKA-BSN: -** Three MEMU rake having base shed Asansol have been introduced in ASN-BRKA-BSB section from 25th December 2019 in place of conventional train no. 53523, 53524, 53525 & 53526. New Train No. are 63555, 63556, 63557 & 63558.



- 5 Test bench for endurance testing of overhauled Tap-changer has been
- 6 Provision of LED based spot light have been done in both end motor coaches of all

upgraded with provision of digital counter in November 2019.



- 7 **NOW MEMU SERVICE IN BWN-RPH-AZ-KWAE:** - Two MEMU rake having base shed Asansol has been introduced in BWN-RPH, RPH-AZ, AZ-KWAE section from 30<sup>th</sup> June 2019 in place of conventional rake. New Train No. are 63011, 63012, 63021, 63022, 63033, 63034, 63031, 63032.



32 rakes to facilitate motorman for reading caution during running on line at night.



- 8 **SILVER JUBILEE CELEBRATION OF 1ST MEMU SERVICE:** - On 11th July 1994, first MEMU service was started in Asansol- Burdwan (105 KM) section in Eastern Railway. New rake on 198300+198209+198299 with renovated toilet, Air suspension, Mobile charging point was inaugurated by DRM/ASN on 11th July 2019 on the occasion of Silver Jubilee of ASN-BWN MEMU service.



- 9 **SCRAP ART GALLERY:-** A scrap art gallery has been made by TRS/MEMU Shed, Asansol for displaying at Asansol station contributing to the beatification of ASN platform under guidance of DRM/ASN. Make in India emblem prepared from scrap bearing, Aeroplane prepared from scrape chimney. The art gallery has been inaugurated by Hon'ble Union Minister of States for Urban Development, Sri Babul Supriyo on 2nd October 19.



- 10 **CCTV SURVILLANCE SYSTEM:** - CCTV camera system has been provided in different places of MEMU Shed, Asansol for close monitoring. Same has been inaugurated by PCME/ER/KKK on 24<sup>th</sup> October 2019.



- 11 **RENOVATION OF LADIES ROOM:** - MEMU Car shed Asansol is having 23 nos. of lady staff working in different sections. Previously changing cum rest room used by them was very small & limited facilities. One room has been renovated with various facilities like charging facility, purified water supply system as changing cum rest room for ladies. This room has been inaugurated by PCME/ER/KKK on 24/10/20.



- 12 **Integrated Management System (IMS) certification** which addresses ISO-9001-2015 (QMS), ISO-14001-2015 (EMS) & OHSAS 45001-2018 to MEMU Shed, Asansol has been done in October 2019.



- 13 **PREPARATION OF BAPU CHARIOT:-** Unveiling of mobile photo gallery of Mahatma Gandhi inside Bapu Chariot on the occasion of 150 years celebrating the Mahatma on 2nd October 2019. Various facilities have been provided with renovated hygienic bio toilet, health faucet along with push type PTMT tap, big size mirror, vinyl wrapping inside and outside of toilet, and adequate numbers dust bin in different size have been provided in all toilets in all trailer coaches in MEMU Rake No. 198304 +198210 + 198303. The rake has been inaugurated by Hon'ble Union Minister of States for Urban Development, Sri Babul Supriyo on 02/10/19.



- 14 As a part of Workplace Management process, MEMU/TRS/ASN has been certified with the prestigious 5S Certificate. MEMU/TRS/ASN has successfully passed and implemented the standards of 5S in its workplace. The said certificate has been handed over to respect DRM/ASN/ER on 27.02.2020 by the certifying body.



- 15 **PREPARATION OF RESTAURANT ON WHEEL WITH CONDEMNED MEMU COACHES:-** MEMU rake No. 21000 + 21001 with 06 Trailer Coaches No. 22000, 22001, 22002, 22003, 22004 & 22005 (08-car) was received from ICF and commissioned at Eastern Railway on 7th July 1994. On 11th July 1994, first commercial MEMU service was started in Asansol-Burdwan (105 KM) section in Eastern Railway. Codal life of this rake expired in the month of July 2019. Two Coaches of this rake have been converted as Restaurant on Wheel. MC 21001 converted as WOW I BHOJAN & TC 22002 as CHAI CHUNG. Restaurant on Wheel inaugurated by Hon'ble [Minister of State for Environment, Forest and Climate Change](#), Sri Babul Supriyo on 26th February 2020.



- 16 **COVID PREPERATION** : (i) Temperature scanning of all staff is being done during shed entry & shed out time. Heath monitoring of staff is being done with Pulse Oxymeter at the entry point of shed.



- (ii) Cleaning of all maintenance room & office and scrapping of both inspection pits are being done on daily basis. Sanitization with disinfectant (Sodium Hypochlorite / Lyzol) is being done after cleaning on daily basis.



- (iii) Sanitization of these rakes is being done regularly at suitable locations of Asansol Division during CoVID-19 period.



- (iv) Two numbers automatic Hand Sanitizer machine have been installed in MEMU Shed, Asansol during the month of June 2020 to protect from COVID -19.



(v) Awareness posters in Bengali, Hindi & English for maintaining Covid 19 precautions like maintaining physical distancing, use of face mask etc. have been provided inside various locations of MEMU coaches for creating awareness of passengers during CoVID-19 period.



17 Retro fitment of Bio-toilet in conventional toilet coaches in all 174 trailer coaches (provided with toilet facility) have been provided with bio toilet in both side in November 2020.



18 Wheel Park & pantograph stand has been fabricated at MEMU Shed, Asansol for safely keeping more quantity wheel & pantographs in minimum space. Wheel Park & pantograph stand inaugurated by Hon'ble DRM/ASN on 10th June 2020.



- 19 Respected Sri S. S. Gehlot, AGM/ER, completed "Fit India Freedom Run" from Asansol Railway Station to TRS/MEMU Shed, Asansol and visited MEMU Shed, Asansol at 11:00 Hr. on 24th August 2020. A unit of 3 KW solar power generation systems installed at newly constructed Green Building in MEMU Shed, Asansol to meet up electric supply of this building was inaugurated by Respected AGM/ER in presence of respected Sri Sumit Sarkar, DRM/ASN and Branch Officers of Asansol Division & Staff. This project will save approx. 23 KWH per day, i.e. 8395 KWH per year. The system is capable to cater to total energy consumption of the building. Approximate saving Rs. 67,000 /- per year. Total cost of the solar power generation system is Rs. 4,05,650 /-. The total amount for the system will reimburse with cost of energy saving in approx. 6 years.



- 20 **Energy Management System (EnMS)** Certification which addresses ISO-50001-2018 has been awarded to Electric Loco Shed & MEMU Shed, Asansol on 18th September 2020 by AQC Middle East FZE.



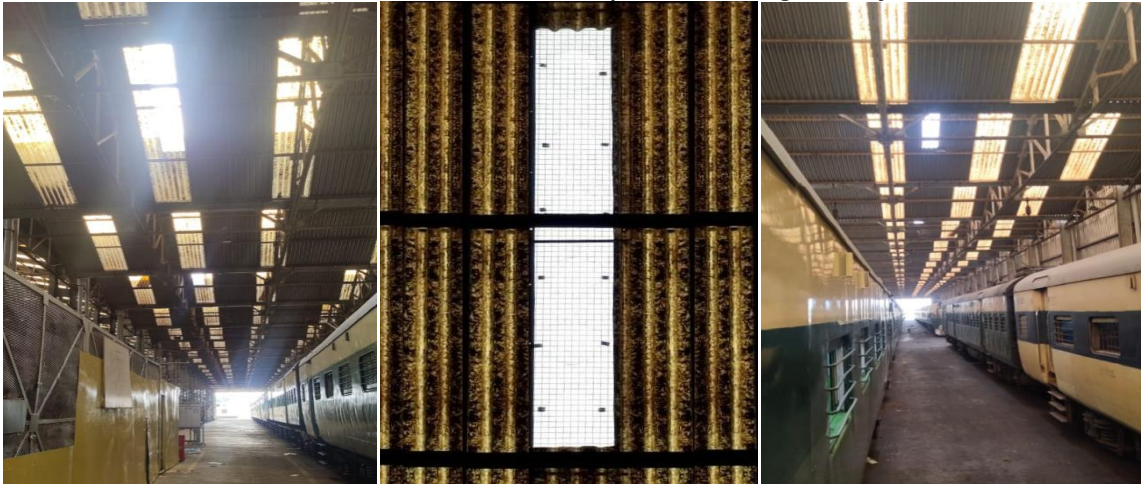
- 21 **Quality Requirement for Fusion Welding of Metallic Material Certification** which addresses ISO-3834-2:2005 has been awarded to Electric Loco Shed & MEMU Shed, Asansol on 18th September 2020 by UK Certification & Inspection Authority.



- 22 Two MEMU rake having base shed Asansol have been introduced in SBG-JMP-KIUL section from 26th September 2020 in place of conventional train no. 73431, 73423, 73424 & 73432. New Train No. are 03431, 03423, 03424 & 03432.



- 23 Day light harvesting solar pipe light (15 Nos.) have been commissioned in different places of shed roof for improving illumination level (between L-3 & from 550, Lux to 950 Lux and North side of L-3, 230 Lux to 640 Lux) for working at day time.



- 24 Parivesh MEMU Train (Rake No. 25005+21030+25016) has been developed with renovated hygienic toilet and attractive ambience for awareness of people regarding green environment. Indigenous themes to green environment have been painted on side wall throughout the rake. Three number trailer coached available with toilet facility (bio toilets) have been provided. Steel mug, soap stand & liquid soap with dispenser have been provided in each toilet. Health faucet along with push type PTMT tap has been provided in all toilets in all trailer coaches. Three wash basins with mirrors (two in toilet and one outside of toilet) have been provided in all toilet coaches. Two number mobile charging points with mobile tray have been provided in 12 coaches. Energy saving LED based (9 W) tube light has been provided instead of conventional florescent light (20 W) for improving coach illumination and reducing energy consumption. LED base destination board has been provided for increasing visible distance. The same rake put in service on 02<sup>nd</sup> October 2020 in presence of Shri Sumit Sarkar, DRM/ASN, Officers & Staff.





- 25 A painting exhibition has been organised in MEMU train “PAROMA” (Rake No. 198309+198308+ 198208) to commemorate international women’s day on 8th March 2021 to tribute women’s contribution in society. Indigenous themes of women’s empowerment along with pandemic situation of CoVID-19 have been painted in side wall throughout the rake. The rake has been upgraded with providing bio toilets facility in trailer coaches. Steel mug, soap stand & liquid soap with dispenser have been provided in each toilet of all trailer coaches. Health faucet along with push type PTMT tap has been provided in all toilets. Duro-wipe perforated rubber mat has been provided in all lavatory floors for dry clean and hygienic toilet. Three wash basins with mirrors (two in toilet and one outside of toilet) have been provided in all toilet coaches. Four number mobile charging points have been provided in all 12 coaches. Energy efficient LED light has been provided instead of conventional florescent light for improving coach illumination and reducing energy consumption. LED base destination board has been provided for better visibility. Cushion type seats have been provided in all coaches for comfort journey of passengers. The same rake put in service on 8th March 2021 in presence of Shri Sumit Sarkar, DRM/ASN, Officers & Staff.



- 26 Issue of manual Privilege Pass & PTOs has already been stopped and issue of Privilege pass and PTO have been started through HRMS during the month of December 2020.

- 27 Both 30 Ton EOT crane of MEMU Shed, Asansol have been renovated. Same has been inaugurated by PCME/ER/KKK on 2<sup>nd</sup> April 2021.



- 28 An e-learning booth have equipped with an android tablet containing all MEMU related Special Maintenance Instruction (SMI), Modification Sheet (MS), Maintenance Books, Technical Circulars, Circuit diagrams and Inspection check sheets. Same has been inaugurated by PCME/ER/KKK on 2<sup>nd</sup> April 2021.



- 29 Planning and progress Office (PPO) of MEMU Shed, Asansol have been renovated with all new furniture, PA system and magnetic locking display board of rakes. Same has been inaugurated by PCME/ER/KKK on 2<sup>nd</sup> April 2021.



1. One MEMU rake having base shed Asansol has been introduced in MDP-GRD section from 15th June 2021 in place of conventional train no. 03521, 53513, 53517, 53519, 03522, 53514, 53518 & 53520.

