

**EAST CENTRAL RAILWAY**



**L. No. 06/MEMU/JAJ/Misc.**

**Office of the  
Sr.DEE/MEMU/JAJ  
Date- 08-11-2024**

**Principal Chief Mechanical Engineer  
East Central Railway.**

**Sub: Proposal for sanctioning of Umbrella Works in PWP – 2025-26 for  
Augmentation / Upgradation of MEMU Car Shed, Jhajha.**

**Ref: Railway Board letter no. 2021/Elect.(G)/129/2, dated 04.11.2024**

Vide reference above, details regarding proposal for sanctioning of **Umbrella Works in PWP – 2025-26 for Augmentation / Upgradation of MEMU Car Shed, Jhajha.** is attached as **Annexure -A**, for kind submission to Railway Board.

**D/A – Annexure -A**

Copy to :

- OSD/EEG/RB, for kind information please.

**Sr.DEE/MEMU/JAJ  
E.C.Railway, Danapur**

## MEMU CAR SHED, JHAJHA

Annexure - A

### Proposed Umbrella Works in PWP – 2025-26

Sl No.	Description of work	Cost in crores	Justification
1.	Changing of shed roof with ventilation blowers	0.80	Roof sheets (Transparent & opaque), valley gutters, rain water drain pipes are damaged at different locations. Due to this, continuous heavy rain water drops whenever it rains and rain water accumulates over the entire working area. It further damages the different electrical components. Sometimes leaky rain water makes continuous path with live OHE and MEMU Rakes stables for maintenance. There is the chances of electrocution of working staffs. Hence replacement/repairing of said items are required for safe working of MEMU shed Jhajha. There should also be the provision of sufficient number of wind driven roof ventilators to exhaust the dust, dirt comes out during air blowing of under maintenance MEMU Rakes.
2.	Office building with 8 rooms for officer's chamber , office establishment, refreshment room & recreation room	1.50	MEMU Shed Jhajha is working with five officers (Sr.DEE,DME,AME,AEE & AMM). Different sections nominated for maintenance of MEMU Rakes as well as office establishment, technical cell is functioning in existing administrative building. Due to this officers have to share the same room. Also due to implementation of RDSO revised maintenance instructions, comprehension of sections (Electrical, Mechanical, Pneumatic, SRS, PPIO, Tender cell) is also required with additional rooms. Hence construction of separate building with 08 rooms for officer's chamber with office establishment, technical cell, and tender cell is required.
3.	Pathway to all stabling lines with lighting facilities	0.70	There are 04 stabling lines at MEMU shed Jhajha. MEMU Rakes/coaches are stabled in stabling lines. There is the only pathway between stabling lines 1 & 2. Provision of pathway is also required between line 2 & 3 and 3&4 respectively.
4.	Boundary wall with Provision of entry/exit gates in MEMU shed Jhajha.	1.0	Present holding of MEMU shed Jhajha is 184 Motor coaches & 559 Trailer coaches also carries out the RDSO advised scheduled and unscheduled maintenance of MEMU Rakes daily. Apart from this, costly machinery & plants as well as spare and defective MEMU Components are kept in the shed floor. A capital store depot is also situated in the premises of MEMU Car Shed, Jhajha. Stock items under custodian of capital store depot are also kept in open area. In recent few month theft of costly spares have been come into the notice. Substantial loss of railway property is involved in these types of incidences and reliability of MEMU services also detained. In view of the above, construction of boundary wall with entry/exit gate is essential as per estimated requirement of boundary wall is 1pprox.. 1.25 Km and minimum height of 2.44 m.

5.	Provision of 08 nos. of rooms for (Male & Female) staffs.	2.0	Man on roll at MEMU shed Jhajha is 204 presently and 09 female staffs are also working among them. There is no separate room (common & changing) available for female staffs. Similarly same provision is also not available for male staffs. Lockers provided to working staffs are kept in open area and getting damage. Sufficient no. of rooms with provision of pigeon locker is required for working staffs. Hence, construction of 08 no. of rooms is being proposed.
6.	Pit lighting facilities in shed including washing pit.	0.70	MEMU shed Jhajha carries out maintenance of MEMU Rakes round the clock. Maintenance activities of under inspection MEMU rakes are carried out at inspection pits wherein illumination level is very poor. It creates difficulties to carry out under gear examination, repairing/replacement of defective equipment during maintenance at night. It is also very difficult to attend defective braking circuit pipe lines and electrical circuit cables in low illumination. Cleaning of coaches, water filling in Bio-Toilet facilitated coaches, maintenance and operation of Bio-Toilet is done at washing pit daily. Washing pit is not provided with pit light, due to this there is difficulty in maintenance at washing pit regularly.
7.	Sockets for welding points and installation of 50 nos. of light post for yard lighting.	0.50	Welding is done during maintenance of MEMU Rakes on daily basis. Provision of welding socket is not available on either of inspection pits & heavy repair line. Apart from this stabling lines, ACWP area are not illuminated at night. Hence for safe welding and better visibility, provision of welding socket and 50 nos. of light post for yard lighting at MEMU shed Jhajha is required.
8.	LAB building with 3 rooms	1.25	Computerised dissolve gas analyser machine, automatic BDV testing machine, relay test benches and other test benches are installed at MEMU shed Jhajha for testing, calibration and healthiness checking of different components. Due to unavailability of rooms, all these are kept in same rooms in congestion. For reliable reading, testing, calibration, separate dust free rooms are required. Hence LAB building with provision of 03 rooms is being proposed.
9.	Scrapyard	0.30	Different ferrous, nonferrous defective/damaged items are released during maintenance of MEMU Rakes. These released items are kept here and there on working shed floor area due to non-availability of designated scrapyard. Such practices cover the working area also hurts the working staff during working. Hence construction of scrapyard in dimension of 10X30 m <sup>2</sup> with concrete flooring and bounded with 08 mtr. high wall along with gate is required.
10.	Store room building	0.60	Other than stock items stocked by CSD, MEMU shed Jhajha itself purchases non-stock items also keeps those items receive from other depot/maintenance shed. For handling and safe up keeping, a separate store section has been formed. Presently it

			is functioning in old steam era building which leaks in rainy season. Hence construction of 10X30 sq. m room is required as store building. Besides this, rooms available for stock of items are not adequate & items like Brake Block, Pantograph, Lubricant Drum etc. are lying in open area, which has been highlighted by CMM III/ECR/JHP during his visit on 27.09.2024.
11.	Dedicated water supply tank	1.22	Exterior cleaning of 02/03 MEMU Rakes on daily basis is being done by installed ACWP. Also water filling in Bio-tank facilitated coaches is done daily in MEMU rakes. Huge amount of water is needed per day for said works regularly. Due to non-provision of dedicated water tank for MEMU Shed Jhajha, timely and required amount of water is not supplied generally. It is further resulted into delayed cleaning of coaches, water filling and also hampers the maintenance of MEMU rakes and finally may prone to RM complaints. Hence construction of dedicated water tank of 50000 gallon capacity is required at MEMU Shed Jhajha.

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