

Proposed Phased Manufacturing Program (PMP) for EV Public Charging Station (EVPCS) for eligibility under PM E-DRIVE Scheme

Sr. No.	EVPCS PMP Component Description	Implementation Date	PMP Requirement
1	Charger Enclosure/Panels	A	Manufacturing / Assembly Process: Assembly of Charger Enclosure / Panels which mainly includes sheet metal pressing, powder coating, painting, cutting, welding, fitment of door, hinges, gaskets, fitment of mounting racks/ plates, connectors, shall be domestically performed.
2	Internal Wiring Harness	A	Manufacturing / Assembly Process: Assembly of Internal Wiring Harness which mainly includes fitment of cable trays, DIN rail, insulation, wires, connectors, protective sleeves shall be domestically performed.
3	IS/IEC 60309 Connector	A	Manufacturing / Assembly Process: Assembly of IS/IEC 60309 connector which mainly includes connector housing moulding, contact pin fitment shall be domestically performed.
4	Software/Mobile Application for OCPP and CMS (Central Server)	A	Development Process: It shall be demonstrated that the software is indigenously developed and indigenous source code development process / activity shall be demonstrated.
5	Auxiliary Power Supply, SMPS	E	Manufacturing / Assembly Process: Assembly of Auxiliary Power Supply, SMPS which mainly includes assembly of electronic components/semiconductors on the PCB, wiring and crimping, connector fitment, heat- sink fitment, enclosure fitment, software/firmware flashing shall be domestically performed.
6(a)	AC Energy Meter	B	Manufacturing / Assembly Process: Assembly of Traction Motor controller Assembly of AC Energy Meter which mainly includes assembly of electronic components/semiconductors on the PCB, wiring and crimping, connector fitment, heat- sink fitment, enclosure fitment, software/firmware flashing shall be domestically performed.
6(b)	DC Energy Meter	E	Manufacturing / Assembly Process: Assembly of DC Energy Meter which mainly includes assembly of electronic components/semiconductors on the PCB, wiring and crimping, connector fitment, heat- sink fitment, enclosure

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			fitment, software/firmware flashing shall be domestically performed.
7(a)	RFID	B	Manufacturing / Assembly Process: Assembly of RFID which mainly includes integration of assembled electronic PCB (PCBA), wiring and crimping, connector fitment, antenna fitment, enclosure fitment, software/firmware flashing shall be domestically performed.
7(b)	HMI/Display	E	Manufacturing / Assembly Process: Assembly of HMI/Display which mainly includes integration of assembled electronic PCB (PCBA), LCD/LED display fitment, wiring, connector fitment, heat- sink fitment, enclosure fitment, software/firmware flashing shall be domestically performed.
8	Input Switchgears like RCD, Fuses, SPD, MCB, MPCB etc.	B	Manufacturing / Assembly Process: Assembly of Input switchgears which mainly includes assembly of housing, enclosure, screws, wires, coils, metallic/ magnetic strips, operating handle shall be domestically performed.
9(a)	Output Switchgear - AC Contactors	B	Manufacturing / Assembly Process: Assembly of Output switchgears AC mainly includes housing, enclosure, screws, wires, coils, metallic/ magnetic strips, operating handle shall be domestically performed.
9(b)	Output Switchgears like DC Contactors, Relays, Voltage/Current Isolator, Fuses etc.	F	Manufacturing / Assembly Process: Assembly of Output switchgears DC mainly includes assembly of housing, enclosure, screws, wires, coils, metallic/ magnetic strips, operating handle shall be domestically performed.
10(a)	AC Charging Gun – Type 2	C	Manufacturing / Assembly Process: Assembly of Charging Gun-Type 2 which mainly includes connector housing fitment, contact pin fitment, cable integration shall be domestically performed.
10(b)	DC Charging Gun – CCS2	D	Manufacturing / Assembly Process: Assembly of DC Charging Gun CCS2 which mainly includes connector housing fitment, contact pin fitment, cable integration shall be domestically performed.
11	Charger Controllers: Electronic Controllers for communication with EV, Charge Control, backend communication and other functions	D	Manufacturing / Assembly Process: Assembly of Charger Controllers which mainly includes assembly of electronic components/semiconductors on the PCB, wiring and crimping, connector fitment, heat- sink fitment, enclosure

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			fitment, software/firmware flashing shall be domestically performed.
12	Power Electronics/Power Modules (AC to DC Convertor)	F	Manufacturing / Assembly Process: Assembly of AC to DC Convertor which mainly includes integration of assembled electronic PCB (PCBA), wiring and crimping, connector fitment, heat- sink fitment, enclosure fitment, software/firmware flashing shall be domestically performed.

Note:

1) Definitions:

Code	Effective date of indigenisation of EVPCS PMP components
A	w.e.f. 1 st December 2021
B	w.e.f. 1 st July 2022
C	w.e.f. 1 st January 2023
D	w.e.f. 1 st June 2024
E	w.e.f. 1 st December 2024
F	w.e.f. 1 st June 2025

- 2) EV Public Charging Station (EVPCS) to comply with PMP as per above
- 3) EVPCS to comply with type approval as per IS:17017 (as amended from time to time)
- 4) CKD import of all child parts of EVPCS PMP component from single import source shall not be permitted.
- 5) Direct or indirect import of finished EVPCS PMP component shall not be permitted.
- 6) The words 'Manufacturing & Assembly' will be used interchangeably and will mean the same thing. Definition of "manufacture" shall mean as defined in CGST Act 2017.

7) **Consequences of Misrepresentation, Non-compliance and Fraud**

- a) EVPCS manufacturer would be required to furnish an Affidavit cum Undertaking on Rs.500/- non-judicial stamp paper certifying that all data/ information submitted by them are true and correct and have been signed by Authorized Signatory.
- b) It will be the responsibility of the EVPCS manufacturer to ensure that all data submitted to Test Agency is true and correct. In case there is any change in any of the data impacting PMP compliance of EVPCS component and hence eligibility of the EVPCS model, post obtaining eligibility certificate, it will be the responsibility of the EVPCS manufacturer to bring the same to the notice of concerned Test Agency.
- c) It will be the responsibility of the EVPCS manufacturer to apprise the Testing Agency about any change(s) in EVPCS including change in supply chain/ sourcing e.g change in make, model, part number, technical specifications, supplier of PMP component post obtaining eligibility certificate, which may lead to an adverse impact on PMP compliance. In such case EVPCS manufacturer shall seek extension of eligibility approval as per PM E-DRIVE Scheme from the test agency from which initial eligibility approval has been obtained.
- d) In case Test Agency finds that EVPCS manufacturer has resorted to misrepresentation/ suppression of material facts/ committed fraud of any kind, then Test Agency reserves the right to revoke the Eligibility Compliance Certificate issued to the EVPCS manufacturer and make suitable recommendations to MHI for recovery of any incentive monies disbursed to the EVPCS manufacturer.

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Guidelines for Determining PMP Compliance of EVPCS Components

1) Activities qualifying indigenous source for EVPCS component

Domestic sourcing of raw materials / child parts or Partial domestic and partial imported sourcing of raw materials / child parts and further domestic assembly of finished component shall qualify as indigenous source, hence complying to PMP requirements under PM E-DRIVE Scheme.

2) Activities determined as imported source for EVPCS component

Domestic supplier importing finished component (indirect Import) or direct import from foreign source shall qualify as imported source, hence not complying with PMP requirements under PM E-DRIVE Scheme.

3) Verification methodology by test agencies

- a) Verification of EVPCS manufacturer declared suppliers' GST invoices for each PMP component (invoiced to EVPCS manufacturer)
- b) Verification of GST classification of EVPCS manufacturer declared suppliers as 'Manufacturer' on GST portal
- c) Visit to EVPCS manufacturer declared suppliers' manufacturing / assembly plant (list of suppliers for plant visit will be at the discretion of Test Agency)
- d) Verification of EVPCS manufacturer declared suppliers' assembly line as per submitted Manufacturing Process Flow Diagram (MPFD)
- e) Verification of assembly stations carrying out specified manufacturing and assembly activities at supplier's manufacturing plant
- f) Test agency shall have discretion to seek further invoices down the supply chain line of the EVPCS components listed above if needed to ascertain that applicant EVPCS manufacturer complies the requirements of PMP under PM E-DRIVE scheme.
