



Bharat Heavy Electricals Limited, Bhopal
CONTROL EQUIPMENT ENGINEERING DIVISION

Purchase Specification

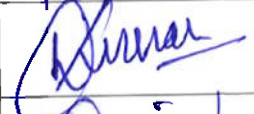
For

Supply of RMPU (Roof Mounted AC Package Unit)

For

ACSPIC/KMMC for ICF Chennai

Document No	PS407586
Revision	01
Date	20.07.2026
Classification	Controlled Copy
Project	AC-SPIC/KMMC ICF Chennai

	Name	Designation	Signature
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1. Introduction:

This specification has been prepared for supply of Roof Mounted AC Package Unit (RMPU) for 8-Wheeler Air-Conditioned Self-Propelled Inspection Car (8W AC-SPIC)/KMMC for operation on broad gauge (1676 mm) electrified routes of Indian Railways. The 8-Wheeler Self Propelled Inspection Car (SPIC) is a self-propelled 2-axel vehicle and is used for periodic inspection & patrolling. KMMC(Kavach mobile maintenance car) is used for repair and maintenance of kavach items. Roof Mounted AC Package Unit (RMPU) shall comply clause no. 1.1.3.4 of RDSO Spec. No. ICF/MD/SPEC-349.

2. Scope:

Supply of RMPU, Control Panel and Microprocessor control unit for use in SPIC/KMMC shall meet the following requirements:

- (i) LHB Type Roof Mounted AC Package Unit Type-II suitable for R-407C refrigerant shall be as per RDSO Specification No. RDSO/PE/SPEC/AC/061 – 2005 Rev.1 and Microprocessor controller unit shall be as per RDSO Specification No. RDSO/PE/SPEC/AC/0139 – 2009 Rev.1, Type-1.
- (ii) AC Control Panel for RMPU shall have switch gears like contactors, MPCB, MCB, Relays, OVRs, Indication Lamps etc as per RCF drg. No. SKED 625, RDSO/PE/SK/AC/0190-2015 R00, RDSO/PE/SK/AC/0186-2015 R00, RDSO/PE/SK/AC/0158-2011 R00 to the above specification. The cage clamp type terminal connectors required for input and output (power and control cables of RMPU) shall be provided in the control panel (acceptable makes of terminal blocks is WAGO, Phoenix & Weidmuller).
- (iii) The overall dimension of control panel shall not exceed 550 mm X 800 mm X 200 mm (W x H x D).



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- (iv) The micro-processor controller and switch panel as per drg. No. RDSO/PE/SK/AC/0125 Rev.1 2009 shall be integrated in to AC control panel.
- (v) The control panel shall be supplied along with power and control cables for connecting with RMPU as per RCF Specification EDTS-252, Rev-I, Annexure-B harness nos. – 31, 31A31B, 31C, 31D & 31E to a length of 20 mtrs for operation of RMPU.
- (vi) Earthing lug arrangement on RMPU shall be as per drg. No. ICF/SK3-7-6-035.
- (vii) Roof through box for RMPU as per ICF Drg. No. ICF/SK3-7-6-071 (latest).

3. Document submission:

Supplier to furnish following documents along with offer:

- (i) ICF/RDSO Approval.
- (ii) GA drawing/schematic drawing.
- (iii) Test Schedule/QAP

4. Delivery:

Within 12 weeks from the date of placement of PO.

5. Installation & Commissioning:

Supplier has to carry out installation and commissioning of RMPU system for SPIC/KMMC at ICF Chennai on call from BHEL Bhopal.

6. Payment Terms:

90% payment shall be released on supply of item at BHEL Bhopal. Payment schedule shall be as per BHEL payment terms. Balance 10% payment shall be released after successful completion of installation and commissioning of RMPU system at ICF Chennai.



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7. Warranty:

Equipment shall be under warranty of 30 months form the date of supply at BHEL, Bhopal.

8.Revision History:

Term "ACSPIC" is replaced with "ACSPIC/KMMC". "Clause 2.vii" added.

Pre-Qualification requirements

Supply of Roof Mounted AC Package Unit (RMPU) for KMMC)

S. No.	Description of requirement	Document to be attached
1	Quoted Items SL NO.	Mention SI No.
2	Bidder should submit a self-declaration stating that, "Offered item is same as per enquiry and there is no deviation".	Self-declaration on letterhead of firm.
3	In case Bidder is not be OEM but its Reseller then bidder to submit valid authorisation certificate from OEM with the bid.	Valid authorisation letter from OEM.
4	Contract shall be awarded to only such bidder who are approved for the indented item to RDSO Spec No. RDSO/PE/SPEC/AC/0061-2005, Rev.1 , in IREPS Vendor directory (UVAM Portal) before bid opening date	Relevant pages of IREPS Vendor directory (UVAM Portal).

Terms Other than PQR to be compiled during Bidding:

Terms	Complied/Not Complied
Quoted SL NO.	
OEM Declaration/Authorization Certificate to be submitted by vendor	
Delivery accepted as per Tender	
Mobile no of concerned Person	
Email ID	

Note: Bidders providing above documents and not meeting above criteria essential for Offer Consideration.

NO DEVIATION CERTIFICATE

Reference: Bid No. _____ Dated: _____

Subject: Self-Declaration for No Deviation

This is to certify that the items/services offered by us against the above-referred enquiry are **fully compliant** with the specifications, terms, and conditions mentioned in the bid document.

We hereby confirm that **there are no deviations** from the stipulated specifications, commercial terms, conditions, and other requirements of the enquiry.

For _____
(Authorized Signatory)

Date: _____

Seal:

OEM SELF-DECLARATION (FOR OEM)

Date: _____

Subject: **OEM Self-Declaration**

Ref: Bid No. _____

We certify that:

1. The bidder **M/s** _____ is the OEM** itself.
2. The product(s) offered are **new, genuine, and comply** with all specifications mentioned in the tender.
3. We shall provide full **warranty support, technical assistance, and spare parts** availability as required.

For **(Name of OEM)**

Authorized Signatory

Name: _____

Designation: _____

Seal:

OEM address:

**** OEM refers to (Original Equipment Manufacturer)**

B. OEM AUTHORIZATION CERTIFICATE (FOR BIDDER AS DEALER)

Date: _____

Subject: **OEM Authorization Certificate**

Ref: Bid No. _____

We, **(Name of Original Equipment Manufacturer – OEM)**, hereby authorize:

M/s _____
(Address: _____)

We confirm that:

1. Bidder is **authorized partner / dealer / distributor / bidder** for participating in the above-mentioned tender
2. The bidder is authorized to **quote, supply, install (if any), and support** our products.
3. The products offered will be **genuine, brand-new, and manufactured by us (OEM)**.
4. We will provide full **warranty support, technical support, and spare parts (wherever applicable)** for the supplied equipment throughout the warranty/AMC period.

For **(Name of OEM)**

Authorized Signatory

Name: _____

Designation: _____

Seal:

**** OEM refers to (Original Equipment Manufacturer)**