

Through PB website

**PRASAR BHARTI
(India's Public Service Broadcaster)
Director General Doordarshan
Doordarshan Bhawan, Copernicus Marg
New Delhi -110001.**

File No. 19(2)2023-24EI(P)TVDraftspecifications Dated:04-08-2026

Subject: **Technical Specification for V-Mount Battery Chargers for use of ENG Camcorders.**

The Technical specification of the upcoming tender is enclosed herewith to offer comments/Industry Feedback and Budgetary quotes if any by prospective bidders/Firms on or before due date at e-mail ddpurchase401@yahoo.co.in or on following Address:

Assistant Engineer,
Room No. 403,
Directorate General: Doordarshan,
Doordarshan Bhawan, Copernicus Marg,
New Delhi -110001 (India).
Telephone: 011- 2311 4401

Specification For: **V-Mount Battery Chargers for ENG Camcorders .**

Specification no: STM01/ 2025 ,Dated 16/09/2025.

Due Date to offer Comments: **18.08.2026 at 18.00 hrs.**

Encl.: As above (6 Pages)

Digitally signed by
Narendra Kumar Chaurasia
Date: 04-08-2026 16:59:34

Assistant Director (Engg)
For DG:DD

Prasar Bharati
India's Public Service Broadcaster
Directorate General: Doordarshan
Doordarshan Bhawan, Tower-A
Copernicus Marg, New Delhi 110001

No. : 2(2)(8)/STM/TS(Btry & Chagr)/2020/E-II(computer no. 26565)

DD Specifications No.: STM01/ 2025

Dated: 16.09.2025

Technical Specifications for supply of V- Mount Battery Chargers

1. Scope:

The specifications outlined in this document aim at the procurement of supply of V-Mount Battery Chargers to be used for charging V Mount Batteries required for XDCAM HD 422 Digital Recording Format Camcorders (Make Sony, Model PDW 700 & PDW 850) for Doordarshan Network.

2. General:

- a) The equipment offered in the bid should be from a reputed manufacturer and the same should be field proven and in use by leading broadcasters/media housed/ other renowned organizations.
- b) The bidder should desist from offering a model which is nearing obsolete/End of Sale/discontinuation.
- c) Offered Charger should be ergonomically designed having contemporary safety features to provide complete electrical and mechanical safety.
- d) All major components of the Charger should comply with highest quality standards.
- e) The bidder should submit only one option (Single BOM) for the offered product/equipment. Bid with multiple options (BOMs) for the same product is liable to be rejected at the sole responsibility of the bidder.

3. Experience and Past Performance:

- 3.1 The bidder should have experience of **more than three (3) years** of supplying broadcast equipment.
- 3.2 The bidder should be authorized by OEM for supply of the V-Mount Battery Charger. **The bidder should submit the tender specific authorization letter on OEM's Letter head assuring full guarantee and warranty obligations.**
- 3.3 (a) The OEM of the offered V-Mount Battery Chargers should have regularly manufactured and supplied Battery Chargers for Broadcast purpose for **at least last three(3) years**, ending on 31ST March of the previous Financial Year, and
(b) The OEM of the offered V-Mount Battery Chargers should have manufactured and supplied at least the indented number of Battery Chargers for Broadcast purposes as mentioned in suggestive Bill of Material in Annexure-1, in one of the **last three (3) years** ending on 31ST March of the previous Financial Year.
- 3.4 **The bidder should submit a Self- Declaration Affidavit w.r.t. above clause 3.1 and another Self Declaration Affidavit from the OEM (on OEM's Letter Head) in respect of above clauses 3.3 (a) & 3.3 (b).**

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4. Capability – Equipment & Manufacturing:

- 4.1 The OEM of the offered V-Mount Battery Chargers for Broadcast camcorder must have an annual capacity to manufacture and supply at least the indented number of Battery Chargers for Broadcast purpose as mentioned in suggestive Bill of Material in Annexure-1.
- 4.2 Copy of Supply Order, Completion Certificate and Contact details of clients; documents issued by the relevant Industries / department / National Small Industries Corporation (NSIC) / manufacturing license, annual report, etc. from the OEM in support of clause 4.1 above is **required to be submitted by the Bidder.**
- 4.3 The offered Chargers of Batteries should be from a reputed manufacturer and the quoted model should be field proven and in use by leading broadcasters/media organizations. The bidder should essentially submit the list of Broadcasters/media organizations to whom the quoted Model has been supplied. The tender without the proper user list shall liable to be rejected.

5. Features Required:

- 5.1 The V- Mount battery charger should have **Switched-Mode Power Supply (SMPS) technology** for fast and accurate charging of various battery types.
- 5.2 The Charger should be able to charge at least **two V-Mount Batteries** simultaneously.
- 5.3 The charger should be designed to be able to charge Lithium-ion chemistry battery and it should maximize the reliability, performance safety and service life of the battery cells. **It should have third party V-Mount cross compatibility and able to charge Batteries of different make & Model.**
- 5.4 The V- Mount Battery Charger offered should be able to charge Li-ion Batteries of Make: Anton Bauer Model: Digital V 90 (Part No.: 8675-0095) & Make: Swit Model: Omni-99S. In addition, it may also charge the other currently available Batteries in Doordarshan Network i.e Make: Anton Bauer Model: Titon V-90, Make: PAG Model: L96e, Make: Core SWX Model: Hypercore 98S & Nano V98, Make:IDX Model Duo C-98P, Make: Sony Model: BP GL95 etc.
- 5.5 It should have a complete battery management system for a battery including on-board multi-function read out (LCD display) to monitor real time battery parameters/critical battery data and access to all charger functions.
- 5.6 The charger should be lightweight and rugged in design to withstand the broadcast environment hazards such as vibration, shocks etc.
- 5.7 It should have proper locking mechanism to hold the batteries effectively.
- 5.8 It should have protection against short circuit, excess battery voltage and reverse battery voltage.
- 5.9 It should comply with various Electrical safety regulations / standards in force.
- 5.10 **The charger should confirm to BIS standards.**

H. S. Singh
16.09.2025

G. N. Mohan
16/9/25

A. R. Ramesh
16/9/25

K. S. Srinivas
16/9/25

6. Technical Specifications for V- Mount Battery Charger:

Sl. No.	Parameters	Range
1.	Charging Terminals	Two or more
2.	Mount	V Mount
3.	Input Supply Voltage	100-240 VAC, 50-60 Hz
4.	Charging Current/ Charging output(DC)	≥ 2.5 A on both(two) Charging terminals simultaneously
5.	Typically Battery Charging time (Time taken to charge 90 Wh to 100Wh Battery to Full Charge from No Charge)	≤ 3 Hrs
6.	Power Supply Output for Camcorder	≥ 70 W (Nominal) On 4 Pin XLR connector
7.	Battery management system (On Board multifunction LCD display)	Required
8..	Weight	< 3200 gms
9.	Size(Volume)	≤ 15000 cm ³
10.	Operating Temperature	0° C to 40° C

7. Compliance:

- (a) A point-by-point full compliance statement duly signed from the principal manufacturers/Original Equipment Manufacturer(OEM) as well as the bidder in respect of all the points laid down in these specifications is to be enclosed along with the offer in the format given below. Mere signature on the copy of the DD specifications shall not be accepted as a compliance statement.

The figures so mentioned should be supported by record of these in the Technical Literature/data sheet enclosed with the bid and reference to the page number of enclosed literature for all features and technical specifications should be mentioned in the relevant column. Bids without the compliance statement or with incomplete compliance statement will liable to be rejected with the sole responsibility of the bidder. Any deviation from the specification detailed in the compliance statement is to be highlighted separately.

Sl. No. of DD Specs.	DD Specs	Compliance (Yes/No)	Reference to the Page Number of Enclosed Literature	Deviations, in case of Non-Compliance	Features in the Offered Product which Exceeds DD Specs	Remarks, if any
1	2	3	4	5	6	7

- (b) In addition to the above, authorization from the manufacturer/OEM of the product should necessarily be submitted along with the bid.

- (c) The bidder is also required to submit point by point Compliance statement, as above, along with the Technical Bid.

In absence of the above, the bid is liable to be rejected.

- (d) Bill of Material (BoM) of the required equipment is given at **Annexure-I** of the document.

8. Accessories:

All the accessories such as Power Cables etc. required to complete the system should be offered by the bidder. The bidder should certify the completeness of the system in all respect.

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9. Technical Literature:

One set of printed / soft copy of technical and operations manual for all the equipment is to be provided on non-returnable basis along with the bid to facilitate the technical evaluation, In absence of above, the bid is liable to be rejected.

10. Warranty/Guarantee And After-Sales Services:

- (a) The complete system should carry a warranty for **03 (Three) years** of trouble free operation from the date of accepted consignment at a consignee's premises. In the eventuality of any equipment including software and hardware failing during this period, such fault shall need to be rectified or the relevant part/equipment replaced free of cost to Doordarshan. **The bidder will be required to give an undertaking to this effect along with the bid.** In case it is not rectified within 15 days time, replacement of the equipment shall be arranged by the bidder. In case of failure of system and its repair/replacement beyond the permissible time (15 days from the date of reporting to the Firm), the outage period will be accounted as under.

The guarantee of the affected system shall be extended in line with the outage period.

- (b) If the bidder is not the OEM, then the guarantee/warranty in respect of system shall be provided by the bidder through respective OEMs. **A Certificate, duly signed by the OEM letterhead, in this regard of the respective system must be submitted with the offer by the bidder.**
- (c) The guarantee should cover all hardware, software, and modules of the entire system. The firm will provide up gradation of all the offered software free of charge during the guarantee period.
- (d) After sales service support for an additional 03 (Three) years for repairs/maintenance/replacement of the offered system after the completion of warranty period should also be provided at the agreed cost. **The bidder will need to give an undertaking to this effect along with the bid.**
- (e) Bidders are required to submit details of after sales service arrangements for the equipment including that of infrastructural facilities available in India.

11. Advance Sample & Its Testing

The bidders are required to submit advance samples of the offered Chargers for technical Field testing with available Batteries in DD Network on returnable basis along with the tender. Offers without the advance samples are likely to be rejected.

12. Inspection:

The equipment shall be subjected to inspection by Doordarshan officials authorized by Doordarshan Directorate.

13. Delivery Period:

The entire lot of equipment is to be delivered within a period of **04(Four) months** from the date of placement of Purchase Order by PB/DD. All bidders will need to submit an undertaking with the bid confirming that in the eventuality of being successful in the bid, they will deliver the equipment at respective consignee (DD Centres) as per Annexure-II within the stipulated time period of 04 months from the date of order.

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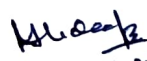
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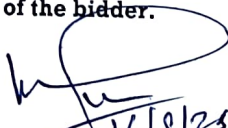
14. Enclosures:

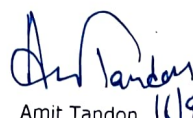
The bidder must necessarily submit the following enclosures along with the technical bid:

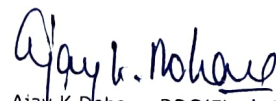
- (a) Experience documents including copies of signed contracts and/or work orders supported by self-certified documents confirming the supply of broadcast equipment or provision of broadcast services or a combination of both as mentioned in clause 3.1 (**A Self- Declaration Affidavit of the bidder** w.r.t. clause 3.1 is also required).
- (b) **A Self Declaration Affidavit from the OEM (on OEM's Letter Head)** in respect of clauses 3.3 (a) & 3.3 (b) for Experience and Past Performance.
- (c) Copy of Supply Order, Completion Certificate and Contact details of clients; documents issued by the relevant Industries / department / National Small Industries Corporation (NSIC) / manufacturing license, annual report, etc. from the OEM in support of clause 4.1 (Annual capacity to manufacture and supply of Battery Chargers).
- (d) A List of broadcasters / media houses or other renowned organizations where the quoted equipment is in use as mentioned in clause 4.3.
- (e) Compliance statement with respect to all the points of the specifications duly signed by the OEM s& Bidder should be submitted for the offered equipment/item(s) in the Proforma mentioned in clause no. 7.(a) & 7(c). The reference to the page number of enclosed literature for all the features and technical specification should be essentially mentioned in the relevant column of the compliance statement.
- (f) A separate point by point compliance statement duly signed by the bidder in respect of all points laid down in the specifications for the offered equipment in the Proforma mentioned in clause 7.(c).
- (g) Authorization from principal manufacturer as mentioned in clause 3.2.
- (h) Undertaking for three years warranty from OEM for the offered system as mentioned in Clause 10.(a) & 10(b).
- (i) Undertaking for after sales service support for additional 03(Three) years from OEM for repairs/maintenance of the offered system after completion of warranty period as mentioned in clause 10.(d).
- (j) After sales service arrangements should include details of infrastructural facilities available in India as desired in Clause 10.(e).
- (k) Technical Manuals / Detailed Technical Literature / Catalogues for the offered equipment/item(s) (in electronic or printed form) for all the offered products for substantiating the Model No. and Technical Specification as desired in Clause 9.
- (l) Undertaking for Delivery period that in the eventuality of being successful in the bid, they will deliver the equipment at respective consignee (DD Centres) as per Annexure-II within the stipulated time period of 04 months from the date of order.
- (m) Any other document mentioned elsewhere in the Tender document.

Note: The tender is liable to be rejected in the absence of the above enclosures with the sole responsibility of the bidder.


16.09.25
Mahideep Singh Rana,
DDE, DG:DD
(Member)


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Amit Tandon
DE, CPC, Delhi
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Ajay K Dohare, DDG(E)
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(Member)

Annexure-1

Suggestive Bill of Material

Sl. No.	Details of Item
1.	V Mount Battery Charger For V Mount Batteries for ENG Camcorders(PDW 700 & PDW 850) As per Tender Specification
2.	User Guide/Operation/ Service Manual for above mentioned Battery Charger

H. S. S. S.
16.09.2025

Gayatri Mohan
16/9/25

A. Pandey
16/9/25

H. S. S. S.
16/9/25