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PRASAR BHARTI
BROADCASTING CORPORATION OF INDIA
DIRECTORATE GENERAL: DOORDARSHAN

Specifications for Camera Mounted LED Light

Specifications No.: SD 22/2010
Dated: 15.07.2010

1. SCOPE:

These specifications lay down the performance requirement of Camera Mounted LED Light to be used with broadcast quality Camcorders for outdoor TV Coverage.

2. FEATURES REQUIRED:

- a) **The offered product should be from a reputed manufacturer and the quoted model should be field proven and in use by leading broadcasters. The bidder should essentially submit the list of the broadcasters to whom the quoted model has been supplied. The tenders without the proper user list are liable to be rejected.**
- b) The light should be based on LED technology and should produce bright and daylight colour temperature light.
- c) The LED light should be efficient, compact, lightweight, cool and should have low power consumption.
- d) It should have long life LEDs (over 50,000 hours).
- e) It should be possible to vary the beam width of the light and the light should be dimmable from 100% to 0% with integrated dimmer with no noticeable color shift.
- f) It should give flicker free light output.
- g) The light should be able to work on camera battery and plug matching with Anton Bauer Gold Mount should also be offered. It should be supplied with AC power adaptor to work on mains also.
- h) The bill of material is given in **Appendix-I**.
- i) The list of Doordarshan centres for which the equipment are being procured is available at **Appendix-II**.

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3. TECHNICAL SPECIFICATIONS:

S. No.	Parameters	Required Figures
1	Type of lamp/ bulb	LED
2	Colour Temperature	5600°K Daylight
3	Operating DC Voltage	12.4 ~ 16.8v
4	Power consumption	≤30W
5	Light output @1m	≥40fc (approx. 400lux)
6	Weight	≤0.50kg
7	Dimming	100% to 0%
8	LED Life	≥50,000 hours

4. COMPLIANCE:

- (a) Any substandard equipment included in the offer may cause the rejection of complete offer with the sole responsibility of bidder.
- (b) The firm should provide the offered un-priced bill of material in electronic form also in addition to the hard copy for ease of technical evaluation.
- (c) **A point-by-point compliance statement from the principal manufacturer 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 specifications shall not be accepted as a compliance statement.**

The figures so mentioned should be supported by record of these in the technical literature enclosed with the tender and reference to the page number of enclosed literature for all features and technical specifications should be mentioned in the relevant column. Offers 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 specifications detailed in the compliance statement is to be highlighted separately.

Sr. No of DD specs.	DD specs.	Compliance (Yes/No)	Performance Fig. of equipment Offered.	Reference to the Page Number of enclosed literature	Deviations, in case of non-compliance	Optional items if any reqd. to make the sys. Compliant to DD specs.	Features in the offered Product which exceeds DD specs.

5. ACCESSORIES:

All the accessories such as power cables, Colour Temperature (CT) filters, AC Adaptor, Camera mounting brackets etc. required to complete the system should be offered by the bidder. **The bidder should certify the completeness of the system in all respect.** All the optional items should be quoted separately. The bidder must provide enough details about such optional items to decide its utility.

6. DOCUMENTATION:

One set of printed technical and operation & maintenance manuals for all the equipments are to be provided on non-returnable basis along with the tender to facilitate the technical evaluation, otherwise the tender is liable to be ignored. The successful bidder will have to supply one set of printed operation, service and maintenance manuals with respect to each equipment.

7. GUARANTEE:

- (a) The system should be guaranteed for two years of trouble free operation from the date of supply. In case of any equipment failure including software and hardware within this period, the same shall be rectified or replaced free of cost to Doordarshan.
- (b) The guarantee should cover all hardware and modules of the complete system.

8. DEMONSTRATION:

If necessary, the firm may be asked for demonstration of the offered system as part of the technical evaluation. In such case the firm will have to make suitable arrangement for the demonstration of the offered system at Doordarshan Bhawan, New Delhi, on notice of 21 days. Accordingly the firm should be in readiness for demonstration on a notice of 21 days.

9. INSPECTION:

The equipment shall be subjected to inspection by authorized Doordarshan officials at New Delhi.

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10. ENCLOSURES:

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

- (a) Compliance statement with respect to all the points of the specifications duly signed by the OEM.

The reference to the page number of enclosed literature for all features and technical specifications should be essentially mentioned in the relevant column of the compliance statement.

- (b) Technical manuals/Detailed technical literature/catalogues for all the offered products for substantiating the model no. and technical specification.
- (c) **Model specific User list of the offered product.**
- (d) Any other document mentioned elsewhere in the tender document.

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

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Bill of Material Required

Sl. No.	Details of Item	Quantity
1.	Camera Mounted LED Light with all the accessories such as power cables, Colour Temperature filters, AC Adaptor, Camera mounting brackets etc.	40 Sets
2.	Operation manual/User Guide/ Technical Manual/ Installation Manual etc.	40 Sets
3.	Service & Maintenance Manuals	40 Sets

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LIST OF DOORDARSHAN CENTRES

Sl. No.	Zone	Location of Doordarshan Centre	Qty.
1.	North Zone	Delhi	10 sets
2.	East Zone	Kolkata	10 sets
3.	South Zone	Chennai	10 sets
4.	West Zone	Mumbai	10 sets
TOTAL			40 sets

