

Through PB website

Prasar bharati
(India's Public Service Broadcaster)
Director General: Doordarshan
Doordarshan Bhawan, Copernicus Marg
New Delhi-110001.

Subject: Draft Technical specification for be Procurement of Studio cool lights, tools and all accessories for DD News setup.

The Draft specification of the upcoming tender is enclosed herewith to offer comments, if any by prospective bidders/Firms/OEMs.

Bidders/OEMs are requested to provide information about available local content (Make In India) in respect of items listed in suggestive BOM along with budgetary quote.

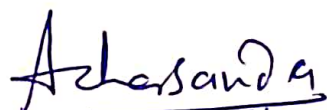
Bidders may please submit the above detail on or before due date by e-mail to ddnews.enggstores@gmail.com

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Specification for: Draft Technical specification for Procurement of Studio Cool light and tools all accessories for DD News setup. DDN/5/(115)/19(49)/2022-23 G(E) dated. 08.08.2022.

Due Date to offer Comments: 22.08.2022

Encl: As above (06 Pages)


(Alok Kharbanda) 8/8/2022
DD News HQ
New Delhi.

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Assistant Engineer
DD News, New Delhi

PRASAR BHARTI
India's Public Service Broadcaster
Doordarshan News HQ: New Delhi

Specifications for Procurement Of Studio Cool Lights and Tools and all accessories for DD News Setup.

Specs No.: DDN/5/ (115)/19(49)/2022-23G (E)

Dated: 08.08.2022

1. SCOPE:

The specifications lay down the performance characteristics of **Studio Cool Lights and Tools and all accessories** These units will be used for VVIP programme of DD News setup.

2. GENERAL FEATURES:

- a) Eligibility Criteria: (i) The offered systems should be from reputed manufacturer and should be field proven and in use by leading broadcasters.
- b) The Bill of Material required is given in **Appendix-I**. The bidder is required to provide the complete list of items & accessories etc. offered to meet the specification requirement in the following proforma:

Sr. No.	Description / Name of the item	Make	Model	Part No., if any	Qty.
1.	2.	3.	4.	5.	6.

3. SPECIFICATIONS:

A. Specification of LED soft panel systems (4ft x 2ft) 1000 w with accessories :

- ❖ Lamp power: 1000W
- ❖ Power supply: AC 110-240 V, 50-60 Hz
- ❖ Beam angle: 25 Deg (10, 40, 60, 90 Deg Optional)

❖ Control:	ON-OFF / Manual (10-100%) / DMX / Wireless (0-100%)
❖ CRI:	> 95Color
❖ Temperature:	3200K / 5600K
❖ Protection Rating:	IP 20, IP 66
❖ Dimensions:	W 740 x L 880 x H 115mm
❖ Weight:	29.50KG

B. Specification of LED soft panel light systems (4ft x 1ft) 500w :

❖ Lamp power:	LED
❖ Power supply:	AC 110-270 V, 50-60 Hz
❖ Operation Modes:	MANUAL / DALI
❖ Beam angle:	60Deg. (90Deg. / 40Deg. / 25Deg.)
❖ Control:	ON/OFF (Optional DALI dimmer)
❖ CRI:	>70Color
❖ Temperature:	3200K / 5600KProtection
❖ Rating:	IP 65

C. Specification of LED soft panel light systems (2ft x 1ft) 250w :

❖ Lamp power:	250W
❖ Power supply:	AC 100-240V, 50-60Hz
❖ Beam angle:	30 DegControl:DMX512 / Manual
❖ CRI:	> 95, TLCI >95Color
❖ Temperature:	3200K to 5600K
❖ Dimensions:	W 360 x L 665 x H 125 mm
❖ Weight:	10.80 kg

D. Specification of Moving Heads 18 bit :

❖ Control Protocol:	DMX512
❖ Color temperature:	8500K
❖ Average Life:	2000hrs
❖ Input Voltage:	AC90-240V 50/60HZ Power Consumption: 250W
❖ Prism:	8+16+24 prisms, Multiple combinations!
❖ Electronic Prism:	Rotating 8-facet prism Atomization: 0%-100% linear atomization Beam angle: 0-3.8° Pan: 540° Tilt: 270°
Pan/Tilt	
❖ Resolution:	16bit
❖ Automatic and master/slave mode Channel:	16/20CH
❖ Display:	4-button LED digital display or LCD display selectable,can

❖ Lens:	YL(YiLong 3 in 1 optical group combination)
❖ Rotating Gobos:	1 gobos wheel with 17 fixed gobos+open Colors: 1 color wheel with 14 fixed colors+open Housing: Flame-retardant plastic
❖ Fixture Connection:	3-Pin DMX in & out
❖ Cooling:	Quiet cooling fan and aluminum radiator
❖ Operation temp:	-20°C-40°C
❖ Accessories:	Standard power cable,signal cable and omega, optional safety cable
❖ Product Size:	330*390*490mm
❖ Packing Size:	450*460*720mm
❖ Selling Point:	Color mixing effect;Beam Gobo;LED Ring;3 Prism; Beam; Rainbow Effect Beam; Rainbow Effect Color wheel: 17+white 7color + white 1 color wheel with 14 fixed colors+open Housing: Flame-retardant plastic 14colors + white, and seven color effect
❖ Gobo wheel: 1	15+whiteFixed Gobo 7 + white, Rotation Gobo 6 + white gobos wheel with 17 fixed gobos+open Housing : Flame-retardant plastic 14 gobos(8 fixed gobos + 5 glass gobos + white)
❖ Prism:	6+12 facet rotation prism 3 prism 8+16+24 prisms6 independent prisms,8 prism/T prism/6+12 prism/16 prism/T prism/8+16+24prism,Can combine 17 kinds of prism effects
❖ Pan scan:	540°(16bit) Electric correction540°(16bit) Electric correction
❖ Tilt scan:	540°(16bit) Electric correction270° (18bit) Electric correction 270° (16bit) Electric correction 270° (18bit) Electric correction 270° (16bit)
	Electric correction
❖ Light Source:	1x100W LED+30x0.2W RGB 3in1(light strip)1pcs * 100W White LED 7R 230W 14R 295W
❖ Channel:	16/18CH 14CH 16/20CH 18CH

E. Specification of RGB LED PARS:

❖ CONTROL MODE:	Sound active, Auto-Play, DMX512, Master-slave.Change colors. Built-in sound active programs that perform RGB
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- ❖ EFFECTS OF Stage Lights: color mixing and chasing for an incredible light show. Red, Green, and Blue colors change. The light also can stay on red, green, and blue which you like by the DMX.
- ❖ Light source: 250W, 3-in-1 Led (RGB)
- ❖ Lifespan: 50000 hours
- ❖ Working Voltage: 100-240V AC, 50-60Hz
- ❖ Rating Power: 220W
- ❖ Control mode: Sound/ Auto/DMX/Master-slave
- ❖ DMX CH: 2/4/7
- ❖ Product Size: 233*100*286 mm
- ❖

F. Specification of Fresnel spot light with band ores 250w :

Color tunable 250W LED Fresnel from 2700K to 6500K color temperature.

- ❖ Brightness is controlled through DMX mode and Manual mode and integrated dimmer enables smooth dimming from 0 to 100%
- ❖ Temperature is controlled by an active cooling system having uniquely designed heat sink.
- ❖ Fabricated sheet housing with 7 tank rust cleaning, black powder coat matte finish paint.
- ❖ Delivers uniform field across the entire beam from spot to flood.
- ❖ Pole operated manual zoom control.
- ❖ Silent operation, fan noise < 20dB.
- ❖ Lamp power: 250W LED
- ❖ Power supply: AC 100-240 V , 50-60 Hz
- ❖ Beam angle: 10 - 50 Deg
- ❖ Control: DMX 512 / Manual
- ❖ CRI: > 95
- ❖ Color Temperature : 2700K - 6500

4. COMPLIANCE:

- a) **A point by point full compliance statement laid down in the specifications from the principal manufacturer is to be enclosed along with the offer in the format given below. Mere signature on the copy of 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 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 specification detailed in the compliance statement is to be highlighted separately.**

Sr. No of DD specs.	DD specs.	Compliance (Yes/No)	Performance Fig. of equipment	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	Features in the offered Product which exceeds DD
1	2	3	4	5	6	7	8

- b) In addition to above, a separate point by point compliance statement duly signed by the bidder in respect of all the points laid down in the specifications should also be submitted along with the bid by the bidder in the above mentioned Performa.

5. ACCESSORIES:

All the essential accessories like cables, power supply units, software and Connector etc. required to complete the system should be offered by the firm and the firm should certify the completeness of the system.

6. GUARANTEE:

- The complete system including all items/ equipment should be guaranteed for Two years of trouble free operation from the date of commissioning.
- The guarantee should cover all hardware, software and modules of the complete system.

7. TECHNICAL LITERATURE:

One set of technical manuals/brochures (Printed or electronic copy) of the offered equipment are required to be provided along with the tender to facilitate the technical evaluation, otherwise the tender is liable to be ignored. The successful bidder will have to supply a set of technical, user and installation manuals.

8. DEMONSTRATION:

If necessary, the bidder may be asked for demonstration of the offered system as part of the technical evaluation. In such case the bidder will have to make suitable arrangement for the demonstration of the offered system at Doordarshan Bhawan New Delhi, on notice of 15 days. Accordingly the bidder should be in readiness for demonstration.

Appendix-I

Bill of Material (BOM)

Sr. No.	Description of the Item	Make	Model	HSN/ SAC	QTY.	Unit Price Incl. GST	Total Price Incl. GST
1	LED soft panel systems (4ft x 2ft) 1000 w with accessories.				02 Nos.		
2	LED soft panel light systems (4ft x 1ft) 500w.				04 Nos.		
3	LED soft panel light systems (2ft x 1ft) 250w.				06 Nos.		
4	Moving Heads 18 bit				06 Nos.		
5	RGB LED PARS				04 Nos.		
6	Fresnel spot light with band ores 250w				04.Nos.		