

SPECIFICATION FOR STATIC UNDER MONITOR DISPLAY SYSTEM

DD SPECIFICATION NO. SD 2004/24

DATED: 23.09.2004

1. SCOPE

This specification lays down the required performance characteristics of Static Under monitor display units with internal/external Power supply unit to be used in studios of Doordarshan network.

2. GENERAL

The static Under monitor display system will be used to provide display of the sources of the video signals along with tally lamps for "On-Air" selection indication, fixed under the video monitors of the production control room or the Master control room. On selection of any source as program output on the production switcher or routing switcher, the tally lamps provided in the corresponding Under monitor display unit and/or in the respective monitor should light up to give an indication to the production team.

3. ESSENTIAL FEATURES

- a. The static under monitor display units should be from the leading manufacturer and the firm should enclose the user's list where the offered product is in use.
- b. The Static Under Monitor Display should consist of a back lit LED assembly illuminating a photographic film called Legends, which mimics the appearance of the dynamic display.
- c. The offered under monitor display units should be able to get the tally information either from the Production / Routing switcher or from the existing Signal/Tally distributor of the Doordarshan network.
- d. The static UMD display should be capable of displaying eight characters in length. Characters should be proportionately spaced. Each character should have approximately 17.5 mm height.
- e. The characters should be displayed in two different colours i.e. red and green according to the tally selection. The ON-AIR tally can be provided through the different coloured LED end blocks on both the ends of the character.

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- f. The Static UMD's should be powered either internally by individual built in power supply unit or by a rack mountable, external common power supply unit.
- g. The external Power supply unit should be able to feed power to a minimum of 18 static UMD's.
- h. All the display mnemonics should be static. However it should be possible to change the displayed information by changing Legends/labels/transparencies.
- i. It should be possible to adjust the brightness of the display to suit the ambient light.
- j. The system should support production switchers of all the leading manufacturers like Ross, Pinnacle, GVG, Phillips etc. The system should also support routing switchers of all the leading manufacturers like Leitch, Network, GVG, Phillips, Quartz and PESA etc.
- k. The firm should ensure the completeness of the system. It will be the sole responsibility of the tenderer to offer all the items including cables, connectors etc. that are necessary to complete the system. The firm should also offer the layout of the offered system to help understand the completeness of the system.

4. TECHNICAL SPECIFICATION

Static Under Monitor Display

- 1) Number of Characters : 8, Display colour change from Green to Red via the tally control selection.
- 2) Character height : 17.5 mm approx.
- 3) Display mount : Universal mount
- 4) Power supply : Built in Internal power supply or fed from the external common Power supply unit
- 5) Tally control : Through network cable
- 6) Power regulation : On board voltage regulation should be there.
- 7) Legends : Replaceable, provided with a removable neutral density filter in the front of the legend.

External Power Supply unit

- 8) Mounting : 19" Rack mountable of 2RU height.
- 9) Power supply : AC 230 V + 10%, 50 Hz
- 10) Loading capacity : Able to load 18 Static UMD's.

5. COMPLIANCE

A point by point compliance statement in respect of all the points laid down in this specification is to be enclosed along with the offer. Compliance statement in the below mentioned format duly signed by the manufacturer only shall be accepted. **Offers without the compliance statement and without the signature from the manufacturer will be rejected at the sole responsibility of the tenderer. Any deviation from the specification**

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detailed in the compliance statement is to be highlighted separately.

Sr.No. of DD specs.	DD specs	Compliance (Yes/No)	Performance Fig. of eqpt. Offered.	Deviations, in case of non-compliance	Optional items if any reqd. to make the sys. Compliant to DD specs.	Features in the sys. Offered which exceed DD specs.

6. ACCESSORIES

All the essential accessories such as cable (Interconnecting cables of all types to be quoted in per meter length with the connectors at both ends. Exact length will be selected as per actual requirement at the time of ordering) and connectors etc. required to make system functional are also to be included in the offer. Optional items may be quoted separately.

7. SPARES

The tenderer should quote for all the essential spares that are required for the smooth functioning of the system at least for two year after the expiry of the guarantee period. The total cost of spares should not exceed to 5% of total value of the equipment.

8. DOCUMENTATION

The equipment should be supplied along with the user as well as service manuals. One copy of the above manuals should be supplied along with the tender for technical evaluation of the equipment. Only published manuals will be acceptable.

9. GUARANTEE

The equipment should be guaranteed for two years of trouble free operation from the date of supply. Any failure within the guarantee period should be replenished free of cost and all the charges of freight, insurance etc. will be borne by the supplier/manufacturer.

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ANNEXURE

COMPLEMENT OF MATERIALS

Sl. No.	Details of Item	Quantity
1	Static Under Monitor Display unit	36 Nos.
2	External Power supply unit	2 Nos.

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