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SPECIFICATION FOR DIGITAL-S TAPES

1. SCOPE


The required performance characteristics of Digital-S Tapes (D-9 Digital Recording Format) (Digital Video Cassettes) to be used in TV Studios for Video Recording purposes are laid down in this specification.

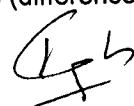
2. FEATURES REQUIRED

- a) The tape should be high performance half-inch metal particle tape.
- b) The tape should have ultra-fine metal magnetic particles to facilitate high density recoding with high output, low error rate and high level of reliability.
- c) It should have high precision dust proof cassette shell with a static electricity free lid and a robust mechanism for stable tape recording and playback, as well as high durability.
- d) Tapes having the recording time **34 minutes**, **64 minutes** and **104 minutes** are required to be offered.

3. TECHNICAL SPECIFICATIONS

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|----|-------------------------------|---|---------------------------------------|
| a) | Format | : | Digital – S(D-9) |
| b) | Magnetic particles | : | Metal particles |
| b) | Bit error rate | : | Less than 1×10^6 |
| c) | Tape width | : | 12.65 mm |
| d) | Tape width variation | : | 2.0 pm (PP) |
| e) | Tape thickness | : | 14.4 pm |
| f) | Yield point load | : | 21 (2.1) N (kg) |
| g) | Surface electrical resistance | : | 1×10 ohm/sq |
| h) | Coercive force | : | 145.1 KA/m |
| i) | Maximum flux density | : | 310 mT |
| j) | RF output (9.5 MHz) | : | 0 dB (difference with reference tape) |
| k) | HF output (11 MHz) | : | 0 dB (difference with reference tape) |


नीरज चौधरी
NEERAJ CHAULHARA
सहायक अभियन्ता
Asstt. Engineer



1) Video S/N

0 dB (difference with reference tape)

4. COMPLIANCE

A point by point compliance statement in respect of all the parameters laid down in the technical features and specifications is to be enclosed with the offer. Any deviation from the specification should also be highlighted separately. Offers without compliance statement are likely to be rejected.

5. DOCUMENTATION

The equipment should be supplied along with technical manuals for operation and maintenance. One copy of the above manual should be supplied along with the tender.

6. GUARANTEE

The equipment should be guaranteed for one year from the date of supply for trouble free operation. Any failure within the guarantee period should be replenished free of cost.


7. ADVANCE SAMPLE

The firms are required to submit advance samples for technical evaluation on non returnable basis along with the tender. Offers without the advance samples are likely to be rejected.

8. INSPECTION

The pre-shipment inspection of the stores will be carried out at Delhi.

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