

By Speed Post/FAX

PRASAR BHARTI (BCI)
DIRECTORATE GENERAL: DOORDARSHAN
DOORDARSHAN BHAVAN, COPERNICUS MARG,
NEW DELHI – 110 001.

F. No 8(1)10-11/E-I (P)TV

Dt. 14.05.2010

To

M/s -----

Subject: SITC of Automation Playback facility in HDTV Format at Delhi.

Reference: - This Directorate tender enquiry 8(1) 2010-11-EI (P) TV.

Dear Sir,

The following Clarifications / Amendments are here by authorized:

Sr.No.	Queries	Comments
1.	<p>Clause3C: The necessary partitioning and wooden paneling within the facility including mild acoustics, painting of the wall & false ceiling etc. will be part of the offer. The firm is required to use powder coated aluminium structure, glass and pre-fabricated board for partitioning work. The interior and the exterior of the accommodation should match with the existing installation. The firm may visit the site before submitting the bid.</p> <p>Query: Can you separate it from technical requirements? Do you expect same thing to be done by the Broadcast System integrator? This should be a separate bid and apart of technical bid.</p>	No. It cannot be separated. The bidder has to offer the bid as per the requirement of the specifications.
2.	<p>Clause4b: In addition, the bidder should provide and install 2 nos. of commercial/ industrial grade ductable air conditioners of reputed manufacturer having service support in Delhi. Each air conditioner should have approx. 5 ton capacity.</p> <p>Query: Can you separate it from technical requirements? Do you expect same thing to be done by the Broadcast System integrator? This</p>	No. It cannot be separated. The bidder has to offer the bid as per the requirement of the specifications.

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	should be a separate bid and apart of technical bid.	
3.	<p>Clause5a: Doordarshan will provide three-phase power supply (phase to neutral 230 volt±5%, @50 Hz) at single point in the facility. Further distribution to the various equipment, monitoring wall, working desks etc. has to be planned and executed by the bidder. The successful bidder will be required to submit the power supply distribution schematic to Doordarshan for approval prior to execution of the work. The cost of all electrical items required for the facility should be included in the bid.</p> <p>Query: Can you separate it from technical requirements? Do you expect same thing to be done by the Broadcast System integrator? This should be a separate bid and apart of technical bid.</p>	No. It can not be separated. The bidder has to offer the bid as per the requirement of the specifications.
4.	<p>Clause5b: The bidder needs to provide 20 KVA three-phase on line UPS with 30 minute backup in (1+1) load sharing mode from reputed manufacturer. The bidder must ensure that service support for the offered UPS is available locally.</p> <p>Query: Can you separate it from baseband and Broadcast IT technical requirements? Can you separate it from technical requirements? This should be a separate bid and apart of technical bid.</p>	No. It can not be separated. The bidder has to offer the bid as per the requirement of the specifications.
5.	<p>Clause5d: It is envisaged that the total electrical load of the System with adequate head room will not be more than 20 KVA. In case bidder feels that the 20 KVA capacity is inadequate, a UPS system of higher rating may be offered. In this case, the bidder should provide the electrical load calculation of the offered system.</p> <p>Query: Can you separate it from baseband and Broadcast IT technical requirements? Can you separate it from technical requirements?</p>	No. It can not be separated. The bidder has to offer the bid as per the requirement of the specifications.
6.	<p>Clause5e: The accommodation is already equipped with house lights. However, special lights for proper illumination of operation desks and equipment racks should be provided by the firm.</p> <p>Query: Can you separate it from baseband and Broadcast IT technical requirements? Can you separate it from technical requirements? This should be a separate bid and apart of technical bid.</p>	No. It can not be separated. The bidder has to offer the bid as per the requirement of the specifications.
7.	<p>Clause7n: All technical furniture including Scheduling & Transmission desk, Engineering desk, Ingest desks, equipment racks and monitoring wall, chairs etc. should be part of the offer and ergonomically designed.</p> <p>Query: Can you separate it from baseband and Broadcast IT technical requirements? Can you separate it from technical requirements? This should be a separate bid and apart of technical bid.</p>	No. It can not be separated. The bidder has to offer the bid as per the requirement of the specifications.
8.	Clause8.1k: Necessary technical furniture including	No. It can not be

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	chairs etc. for Ingest Desk will be part of the offer. Query: Can you separate it from technical requirements? This should be a separate bid and apart of technical bid.	separated. The bidder has to offer the bid as per the requirement of the specifications.
9.	Clause 8.6a: All the power supply equipment like LT panel, Distribution box, UPS, battery bank etc. will be part of the offer and will be housed in this area. Query: Can you separate it from baseband and Broadcast IT technical requirements? Can you separate it from technical requirements? This should be a separate bid and apart of technical bid.	No. It can not be separated. The bidder has to offer the bid as per the requirement of the specifications.
10.	Clause 2f: The HDTV Stream will carry 5.1 Surround Sound and SDTV Stream will carry Stereo/two mono audio channels. Queries: (i) Will the inputs video/audio in the form of tapes will have video with 5.1 audio embedded? How exactly you want to have 5.1 audio with HD video. Will you provide any live feed from studio with 5.1 audio productions? (ii) If the server 2 is backup of server 1? The master control switcher is having A/B roll for the final MCR play out or it is just back to back play out as main and mirror or it is A/B two ports play out without any redundant port?	(i) 5.1 Surround Sound will be Dolby E or AC-3 encoded and embedded, discrete 5.1 channel sound is not envisaged. Similarly live feed will also have 5.1 Surround Sound encoded in Dolby E or AC-3 and embedded. (ii) Please refer clause no. 9 "AUTOMATION CONTROL SYSTEM & SOFTWARE". Playback is not only envisaged from the video server but also from VCRs/ Decks directly. There will also be frequent live feeds. No transition has been envisaged in continuous server play out but transitions are envisaged in between server, live feeds and VCRs/ Decks playback.
11	Clause 3. Accommodation: Need drawing to scale of the place of installation and its surrounding area. The drawing should include the AC duct and electrical cable routes. Will DD provide the drawing or we need to generate one?	The firm may refer clause 3(C) & 3(a) vide which firm is required to visit the site before submitting the bid and to submit the layout plan along with the bid.
12	Clause 4. Air-conditioning: It is preferred to have Microprocessor controlled Precision Air conditioners in 1+1 redundancy for the Equipment room where servers, routers and other central equipment is installed. In case the precision air-conditioners are agreed to, the package units originally mentioned in the tender can be installed for the rest of the area (i.e other than the equipment room)	The firm may quote as per Specifications clause no. 4(b).
13	Clause 5. Power supply: Incase Precision ACs are deployed in addition to the 2x5T ductable specified in the tender, additional raw power would be required. (Approx 12KW for precision ACs – 5.7Tx2 and another 12KW for 5x2 ductable units)	In view of reply at Sr. No.2 above, additional power supply is not required.

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	Since the area is already covered by central air conditioning system, only 5TX2 are required to be put in the facility.	
14	Clause 8.1 Ingest Area: Total devices to be controlled for Ingest	Please refer specifications clause nos. 8.1(i) & 9(i). 2 nos. of Panasonic's DVCPRO 50 SDTV VCRs and 2 nos. of following HDTV VCRs/Decks in any combination: (a) Sony HDCAM (b) Sony XDCAM HD422 Prof. Disc based Deck (c) Panasonic AVC-Intra 100 based P2 Deck
15	Clause 9. Automation: (i) 9.s - Can we suggest alarm for to indicate that the available disk space is below minimum acceptable level, instead of for unused clips? It is presumed that the asset management part would indicate the unused clips for possible deletion. (ii) 9.o - Is there any traffic- scheduling/ Billing software specified?	(i) Acceptable. (ii) No.
16	Clause 13.1- Video Server e- Do we need any SD-SDI /HD-SDI interface for devices like XDCAM and Panasonic P2 AVC (in addition to file transfer provision) as they may be used for direct transmission?	Yes. This has already been specified.
17	Clause 13.10 Monitoring Equipment: UMDs static or Dynamic. In case of dynamic UMDs the source name can dynamically change with change in the router selection. For this purpose the UMDs are to be dynamic type and the Tally unit needs to be interfaced to the router. Please clarify if we need to provide Dynamic UMD system. Also please specify the number of characters of the display (8 or 16)	Either one is acceptable.
18	Please let us know the actual requirement of one system of MAM as mentioned in point 8.4.d, 9.q, bill of material A.b. It is not been clearly defined.	This is basically required to manage audio/Video storage of video Server, purging of unused material, search of clips based upon metadata field. Only basic MAM feature is envisaged.
19	The actual requirement by saying that "Automation system should manage video server disk space and give alarm for unused old material" as per point no. 9.s, normally automation system can manage disk space but to give alarm for unused old material is difficult, instead Video server can do this. So if we do it with video server so that is acceptable to DD.	There are many automation systems which can do this work. However, if bidder wants to do it with video server, it is acceptable.
20	As per point 9.aa which says "Automation should do aural/visual countdown to the end of the aired event ". We want to know whether DD wants both aural/visual or any one of this.	If possible both, otherwise one will work.
21	Please explain point no. 9.w "The system should be	No special requirement, simply

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	capable of handling third party software". What are these third party software. We need to know this as we will quote modules accordingly.	sales, traffic and billing software integration in future.
22	Clause 3a accommodation: can we get a electronic copy of the floor plan where the system will be installed.	The firm may refer clause 3(C) & 3(a) vide which firm is required to visit the site before submitting the bid and to submit the layout plan along with the bid.
23	Clause 9: Automation 3rd party software integration: "the system should be capable of handling 3rd party software" Please explain weather there are any special requirements.	No special requirement, simply sales, traffic and billing software integration in future.
24	Doby D and E pass-through: pass-through only, no re-aligning/ monitoring ?	No re-aligning but monitoring provisions are already envisaged through audio monitoring station as per specifications clause no.13.10 (C).
25	Will the House lights as mentioned in section 5.d need to be on the UPS	No.
26	Clause 13: Video server Native support for XDCAM and AVC-Intra: does this have to be on the same ports; and if so does this content need to be played back "back to back".	Please refer specifications clause 13.1 (d) and (e).
27	Where will the Air Con units specified in Section 4 be fitted?	Indoor unit obviously need to be kept within the facility and for outdoor unit there is enough space outside of the facility.
28	Will the House lights as mentioned in section 5.d need to be on the UPS	Already replied at Sr. no.4 above.
29	Automation system interfacing to a Traffic system. Do we know what this traffic system is, or the format for the interface	Already specified in the Specifications vide clause no.9(x).
30	Can you please kindly provide us information on the below please. (d) The server should support natively (without re-digitizing/ trans-coding) Sony XDCAM HD422 {MPEG-2 long GOP (12 frames) 4:2:2@HL} 50Mbps with 8 bit quantization data files in MXF file format and Panasonic AVC-Intra 100 (MPEG-4 AVC/H.264) 4:2:2, 100Mbps with 10 bit quantization as data files in MXF-OP-ATOM file format. There are many HD/SD Playout Servers which support AVC-Intra but not long GOP as stated above.	There are many Video Servers which support both. Please refer Indicative Complement of Equipment at Sr. no.(2) of Annexure-II of the specifications.

Yours faithfully



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