

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

F.No. 14(4)2010-11/ EI (P) TV.

Dt.:21.10.2010

To
M/s
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Subject: Replies/ Amendments to the Specification No:SATD/(4+1&1+1) Digital MCPC CPC July2010 in Tender No. 14(4)2010-11/ EI (P)TV

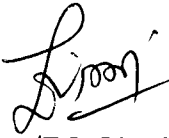
Ref: : Prebid Conference held on 20.09.2010 for SITC of Digital MCPC Compression System at CPC New Delhi

Sir,

Please find enclosed herewith the following in reference to queries raised in prebid conference held on 20.09.2010.

2. **Replies to queries raised in prebid meeting held on 20.09.2010(Annexure-1).**
3. **Amendment-I dated 11.10.10 in the Specifications referred to subject above(Annexure-2).**
4. All the aforesaid replies /amendments are hereby authorized.
5. All bidders may read these replies /amendments in the specification carefully.

All other terms & conditions of the tender will remain unchanged.



(T.P. Dimri)

(Assistant Engineer)

For Director General

Tele/ Fax +91- 11- 23387620

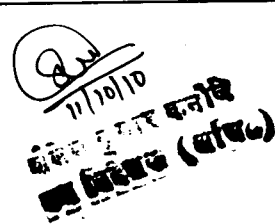
E-mail:- ddpurchase401@yahoo.co.in

Subject: Replies to queries raised in Pre-Bid Conference held on 20.09.2010 in Specification No. SATD/ (4+1 & 1+1) Digital MCPC CPC July 2010

Reference: - Tender No. 14 (4)2010-11/ EI (P)TV

QUERIES & REPLIES


Sl. No.	Page No.	Point No.	Description		Ref
1			DD Specs	Delivery Period	M/s Arraycom query Sl.No. 1 vide their latter dated 17th Sep 2010.
			Query	As per the clause no. 1.3 of the "Invitation to Bid", the delivery period required is 4 months. Please appreciate the fact that project to be executed is of a very complex nature involving numerous items to be imported from various foreign as well as local manufacturers. Also the project involves inspection of the equipment at Delhi/ Manufacturers work and training at site for 2 weeks. Considering our past experience in executing such type of complex projects, we feel that the delivery period of 4 months is insufficient. Hence we sincerely request DDK to amend the delivery period to 6 months.	
			Reply	No change, Firm has to quote as per Tender Document.	
2	8 & 11	2.4.1-h & 2.5.1-h	DD Specs	RF Parameter Specifications (Applicable for IRDs with L-band input) (h) Image Rejection: >30 dB	M/s Arraycom query Sl.No. 2 vide their latter dated 17th Sep 2010.
			Query	We wish to inform you that all the professional IRDs utilizes Direct Conversion, Image rejection should be infinity. We request you to please amend the tender specification.	
			Reply	Firm is advised to quote as per DD specifications. There is no change in specs.	
3	8 & 11	2.4.1-I & 2.5.1-h	DD Specs	RF Parameter Specifications (Applicable for IRDs with L-band input) (i) Input Return Loss: 7 dB, minimum	M/s Arraycom query Sl.No. 3 vide their latter dated 17th Sep 2010.
			Query	Please appreciate the fact that return loss of minimum 7 dB id for Set Top Boxes (commercial IRD). For professional IRDs, it is 9 dB minimum. We request DDK to please clarify.	
			Reply	Firm is advised to quote as per DD specifications. There is no change in specs.	
4	27	5.1	DD Specs	Multi Image Monitoring system The specification aims at multi image display system to monitor signals at up link station of Doordarshan. Control room monitor would be with split screen facility to view minimum of 20 nos. of video inputs along with the corresponding audio bar graph keyed into the video.	M/s Arraycom query Sl.No. 4 vide their latter dated 17th Sep 2010.
			Query	The technical Specification under the heading "Multi Image monitoring system", it is states that control room monitor would be split screen facility to view minimum of 20 nos. of video input along with the corresponding audio bar graph keyed into Video". How ever clause no. 5.1a and 5.1.2 of tender document mentions that "The offered product should be able to display up to 32 or more images simultaneously on display monitor out of 32 sources, SD-SDI & HD-SDI signal inputs". Kindly clarify.	
			Reply	Please see amendment at sl. nos 1, 2, 4, 5, 6, 7, 8, 9, 10 and 11.	

11/10/10

 DEPARTMENT OF PUBLIC WORKS
 GOVT. OF INDIA



QUERIES & REPLIES

Sl. No.	Page No.	Point No.	Description		Ref
5	7	2.2.B.3	DD Specs	Single Optical Transmitter Unit: B: Output 3. Connector: SC	M/s Thomson query Sl.No. 1 vide their latter dated 30th Sep 2010.
			Query	Thomson Supports LC. Please clarify or amend.	
			Reply	Firm is advised to quote as per DD specifications. There is no change in specs.	
6	7	2.2.B.4	DD Specs	Single Optical Transmitter Unit: B: Output 4. Optical Power: -7.5 dBm or better	M/s Thomson query Sl.No. 2 vide their latter dated 30th Sep 2010.
			Query	-6 db to -3 db, Please clarify or amend	
			Reply	Firm is advised to quote as per DD specifications. There is no change in specs.	
7	7	2.2.B.7	DD Specs	Single Optical Transmitter Unit: B: Output 7. Extension Ratio : 7.5:1 or better	M/s Thomson query Sl.No. 3 vide their latter dated 30th Sep 2010.
			Query	Thomson Supports >5:1, Please clarify or amend.	
			Reply	Firm is advised to quote as per DD specifications. There is no change in specs.	
8	14	2.6	DD Specs	Specification for (32 x 32) SDI Routing Switcher The equipment should be very reliable and able to be used for selection of any one of the 32 SDI input signals to 32 different destinations. The equipment so offered should be for professional set-up applications. The Router has to be quoted with XY and Single Bus control panels.	M/s Thomson query Sl.No. 4 vide their latter dated 30th Sep 2010.
			Query	Thomson propose to provide two numbers of Routers of size 16x16 for SDI and one of which will supports both HD & SD. DD is requested to consider the same.	
			Reply	Two numbers of 16x16 SDI router in place of one 32x32 SDI router is NOT ACCEPTABLE. Firm is advised to quote as per DD specifications. There is no change in specs.	
9	22	3.7	DD Specs	Specifications for 32 X 32 ASI Routing Switcher The equipment should be very reliable and should be able to be used for selection of any one of the 32 ASI input signals to 32 different destinations. The equipment so offered should be for professional set-up applications. The Router has to be quoted with XY and Single Bus control panels.	M/s Thomson query Sl.No. 5 vide their latter dated 30th Sep 2010.
			Query	Thomson propose to provide two numbers of Routers of size 16x16 for ASI. DD is requested to consider the same.	
			Reply	Two numbers of 16x16 ASI router in place of one 32x32 ASI router is NOT ACCEPTABLE. Firm is advised to quote as per DD specifications. There is no change in specs.	


 17/10/10
 डी.डी. कर्मचारी
 एवं निदेशक (एच.ए.)



Subject: Amendment to Specifications SATD/ (4+1 & 1+1) Digital MCPC CPC July 2010 dated 10.08.2010 for SITC of 4+1 & 1+1 Digital MCPC Compression system at CPC New Delhi.

Reference: - Tender No. 14 (4)2010-11/ EI (P)TV

Amendment No. - 1 dated 11.10.2010					
Sl. No.	Page No.	Point No.		Description	Ref
1	3	1.1.IV. a)	DD Specs	<p>General Requirements: There should be provision for monitoring points at the following locations: a) SDI with Embedded audio output from optical receiver unit using multi image display processor (for 32 channel Video & Audio combiner) and 42" LCD monitor (Refer block diagram 1 & 3).</p>	
			Amended as	<p>General Requirements: There should be provision for monitoring points at the following locations: a) SDI with Embedded audio output from optical receiver unit using multi image display processor (for display up to 24 channel Video & Audio combiner, presently configured for 16 SD-SDI inputs) and 42" LCD monitor (Refer block diagram 1 & 3).</p>	
2	3	1.1.IV. b)	DD Specs	<p>General Requirements: There should be provision for monitoring points at the following locations: b) SDI with Embedded audio output from professional IRDs using SDI routers and multi image display processor (for display up to 32 channel Video & Audio combiner presently configured for 16 SD-SDI inputs and 8 HD-SDI inputs) and 42" LCD monitor (Refer block diagram 3).</p>	
			Amended as	<p>General Requirements: There should be provision for monitoring points at the following locations: b) SDI with Embedded audio output from professional IRDs using SDI routers and multi image display processor (for display up to 24 channel Video & Audio combiner, presently configured for 16 SD-SDI inputs) and 42" LCD monitor (Refer block diagram 3).</p>	
3	6	2	DD Specs	<p>SPECIFICATIONS FOR INPUT & BASE BAND SYSTEM Input & base band system consist of OFC link from MSR/ Feed room to Earth Station, which includes Video & Audio Input & Processing Unit, Single Channel Optical transmitter, OFC cable, Single Channel Optical receiver, and Video & Audio Processing & Distribution unit. The units shown in the block diagram may be a single module or it may combination of 3 or 6 modules. (3 nos. of Dual channel module may be offered in place of 6 nos. of single channel optical transmitter). A complete system to house these modules and power supply units should be included in the offer. The Chassis to be used for housing the Embedder, Optical transmitter and Optical receiver should have provision for inserting additional cards for HD signal processing.</p>	
			Amended as	<p>SPECIFICATIONS FOR INPUT & BASE BAND SYSTEM Input & base band system consist of OFC link from MSR/ Feed room to Earth Station, which includes Video & Audio Input & Processing Unit, Single Channel Optical transmitter, OFC cable, Single Channel Optical receiver, and Video & Audio Processing & Distribution unit. A complete system to house these modules and power supply units should be included in the offer. The Chassis to be used for housing the Embedder, Optical transmitter and Optical receiver should have provision for inserting additional cards for HD signal processing.</p>	

Amendment No. - 1 dated 11.10.2010

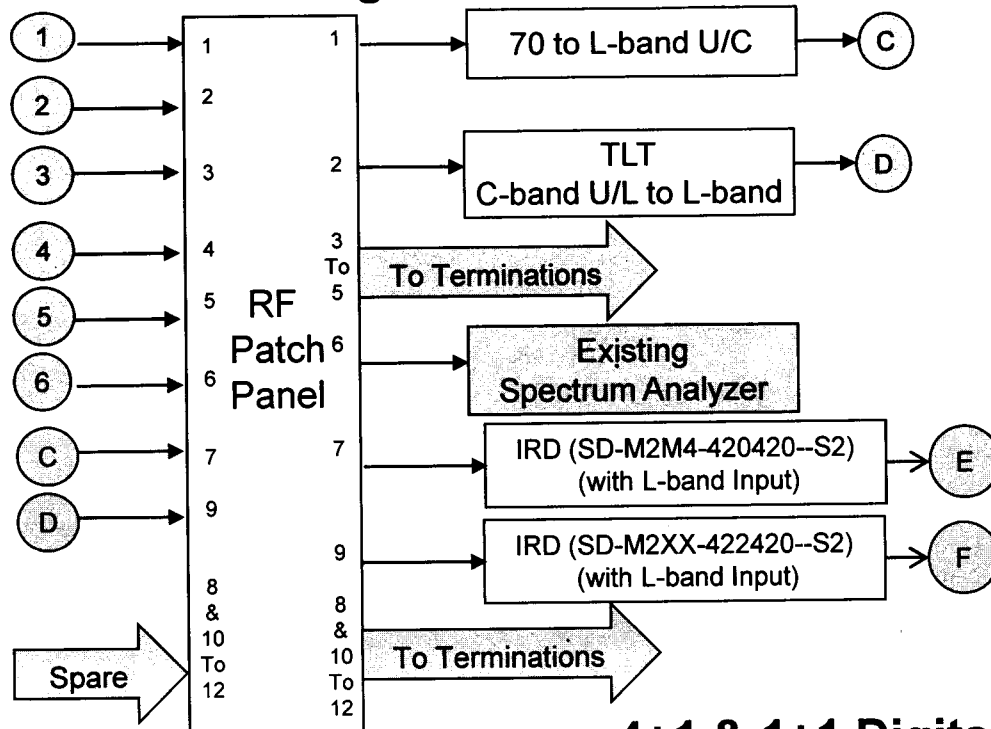
Sl. No.	Page No.	Point No.		Description	Ref
4	27	5.1	DD Specs	Multi Image Monitoring system The specification aims at multi image display system to monitor signals at up link station of Doordarshan. Control room monitor would be with split screen facility to view minimum of 20 nos. of video inputs along with the corresponding audio bar graph keyed into the video. The typical system configuration for the multi image display system will consist of Multi Image Display unit, Remote control unit, 42 inch LCD (TFT Type) Monitor.	
			Amended as	Multi Image Monitoring system The specification aims at multi image display system to monitor signals at up link station of Doordarshan. Control room monitor would be with split screen facility to view Input & Down linked video signals along with the corresponding audio bar graph keyed into the video. The typical system configuration for the multi image display system will consist of Multi Image Display unit, Remote control unit, 42 inch LCD (TFT Type) Monitor. The Multi-image Display Processor should be presently configured for 16 SD-SDI video with associated audio. However the display system should be able to display up to 24 images simultaneously by putting additional cards in future if required.	
5	27	5.1.a)	DD Specs	Features of multi image display system: a) The offered product should be able to display up to 32 or more images simultaneously on display monitor out of the 32 sources SD-SDI & HD-SDI signal inputs.	
			Amended as	Features of multi image display system: a) The offered product should be able to display up to 24 images simultaneously on display monitor out of the 24 sources SD-SDI signal inputs.	
5	27	5.1.b)	DD Specs	Features of multi image display system: b) It should allow monitoring of 64 stereo audio signals on the screen level meter with corresponding to 32 video (2 stereo audio per TV channel).	
			Amended as	Features of multi image display system: b) It should allow monitoring of 48 stereo audio signals on the screen level meter with corresponding to 24 video (2 stereo audio per TV channel).	
6	28	5.1.2	DD Specs	Multi Image Display system Processor The multi image display processor should be able to display up-to 32 or more images simultaneously on display monitor.	
			Amended as	Multi Image Display system Processor The multi image display processor should be able to display up-to 24 images simultaneously on display monitor.	
7	28	5.1.2.1	DD Specs	Video input : 16 SD-SDI in BNC, (625) SMPTE 259 M 270Mb/s and 8 HD-SDI in BNC, SMPTE 292M	
			Amended as	Video input : 16 SD-SDI in BNC, (625) SMPTE 259 M 270Mb/s	
8	28	5.1.2.2	DD Specs	Audio Input : 48 (present requirement) (provision for 64 in future if required)	
			Amended as	Audio Input : 32 (present requirement) (provision for 48 in future if required)	





Amendment No. - 1 dated 11.10.2010					
Sl. No.	Page No.	Point No.		Description	Ref
9	28	5.2	DD Specs	LCD Display Full HDTV Set (42 inches) The Display Monitor will be used to display combined Channels (up to 32) simultaneously as single input (out from the Multi Image Display processor) SDTV Full HDTV video and audio.	
			Amended as	LCD Display Full HDTV Set (42 inches) The Display Monitor will be used to display combined Channels (up to 24) simultaneously as single input (output from the Multi Image Display processor) SDTV/ Full HDTV video and	
10	36	BOM IV.4	DD Specs	IV - Input and Downlink monitoring Multi image display processor including Multi view Input cards for SDI signal (for 16 SD-SDI and 8 HD-SDI inputs) : Quantity - 1set	
			Amended as	IV - Input and Downlink monitoring Multi image display processor including Multi view Input cards for SDI signal (for 16 SD-SDI inputs) : Quantity - 1set	
11		Block Diagram-3	DD Specs	Original Block Diagram attached with specifications.	
			Amended as	Revised Block Diagram attached as Annexure -3	

4+1 & 1+1 Digital MCPC Confidence Monitoring



ANNEXURE-3

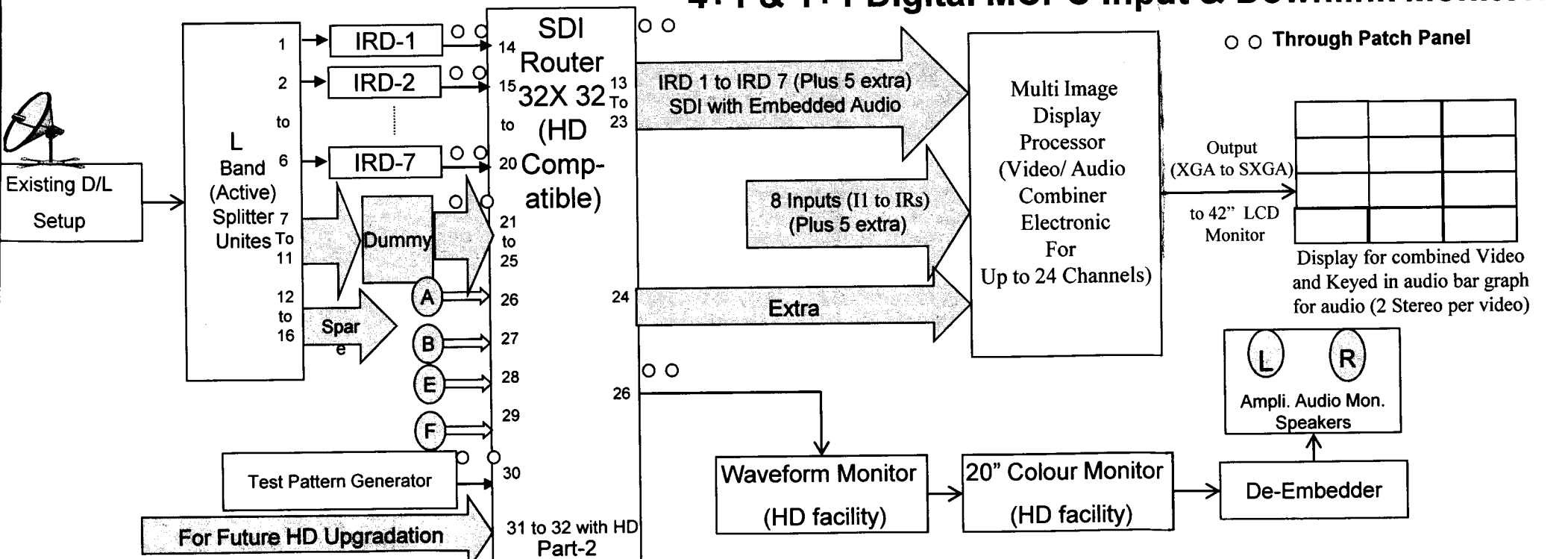
SATD/BD(4+1 & 1+1)MCPC/2010

Block Diagram - 3

REVISED

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4+1 & 1+1 Digital MCPC Input & Downlink Monitoring



○ ○ Through Patch Panel