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

F. No 8(12)10-11/E-I (P) TV

Dt. 16.08.2010

To
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Subject: This Directorate tender no. 8(12) 2010-11-EI (P) TV.for SITC of Multi camera Mobile Van for Outdoor Production in HDTV Format.

Reference: - Pre-bid conference held on 07.07.2010

Dear Sir,

Please find enclosed herewith the following in reference to the aforesaid tender:

1. Amendment Dt. 13.08.2010 in the tender document and Specification No. SD 11 / 2010 Dt. 25.05.2010 of SITC of Multi camera Mobile Van for Outdoor Production in HDTV Format (Annexure – 1)
2. Clarifications to the queries raised by the bidders during Pre-Bid Conference held on 07.07.2010. (Annexure – 2)
3. All the clarifications / amendments are hereby authorized.
4. All bidders may read these clarifications / amendments carefully.

It may also be noted that the tender opening date has been extended. Now the tender will be opened on 16.09.2010 at 1200 Hrs. The tender submission time is upto 1130 Hrs. on 16.09.2010.

All other terms and conditions of tender remain unchanged.

Yours faithfully



Preminder Singh
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AmendmentAmendment in tender no. 8(12) 2010-11-EI (P) TV.for SITC of Multi camera Mobile Van for Outdoor Production in HDTV Format.

A. Amendment in Tender Document

S. No.	Clause	Existing Entries	To be read as
1	i) 1.3 of Invitation to Bid, Delivery Period (Pg. 2 of tender document) ii) 1 (b) of Annexure- IV, Delivery period (Pg. 76 of tender document)	04 months	06 months

B. Amendment No. 1 to DD Specifications No. SD 11/2010 Dated 25.05.2010 for SITC of Multi-Camera Mobile Van for Outdoor Production in HDTV Format.

S. No.	Clause	To be read as
1	Clause No. 2.2 (a) Existing	The Production Van should be built on chassis not exceeding overall vehicle length of 12 to 14 meters (from front registration number plate to rear registration number plate) either on a cab chassis or a trailer with tractor. Vehicle from reputed manufactures in the field of automobiles such as Tata Motors, Ashok Leyland and Volvo will only be acceptable
2	Clause No. 3.1 (c) Line no. 3 & 4 at page no. 9 ..."All the cameras should be offered with high resolution colour LCD view finders"...	..."All the cameras should be offered with 7" HD B/W CRT view finders"...
3	Line no. 14 at page no. 23 of Appendix II (Complement of equipment in each OB VAN) under S. No. (A) (I) 1 "Gain: (-6 dB to +12 dB)"	"Gain: -3 dB to 12 dB"
4	Clause No. 2.4 (f) At page no. 7 last line ..."patch panels should be straight through with 75 ohm termination"	..."patch panels should be normal through with 75 ohm termination."

Clarifications to the queries raised by the bidders during Pre-Bid Conference held on 07.07.2010.

S. No.	DD Specifications & Firm's Query	Reply
1.	<p>Clause No. 2.1(a): Highly compact 20 KVA On line UPS system. 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: The firm proposes to install two nos. of 11 KVA UPS units in place of one 20 KVA UPS to provide some level of redundancy, as the essential load of 11 KVA can be put on one UPS in case of failure of the second UPS.</p>	<p>The firm may quote as per the DD specifications.</p>
2.	<p>Clause No.2.2(a): The Production Van should be built on chassis not exceeding to overall vehicle length of 12 meters. Vehicle from reputed manufactures in the field of automobiles such as Tata Motors, Ashok Leyland and Volvo will only be acceptable.</p> <p>Query:</p> <ul style="list-style-type: none">a) Whether the tractor trailer type vehicle is acceptable.b) Whether Trailer Van expandable on one side (left side) is acceptable.c) Overall length of the OB Van including tractor and trailer up to 13.5 mtr. may be accepted. <p>It may be clarified whether a cab Chassis is to be provided or a Tractor-Trailer type of vehicle is also acceptable.</p>	<p>The Trailer Van expandable on one side (left side) is not acceptable.</p> <p>Amendment Clause 2.2 (a) may be referred.</p>
3.	<p>Clause No. 2.3(h): The van should be fitted with ceiling mounted cassette type Split Air conditioners of sufficient tonnage capacity to provide adequate cooling necessary for all the equipment and operators. The temperature inside the OB Van should be maintained at 21± 1 Degree Celsius. The offered air conditioners should have multi-flow air distribution systems for uniform cooling throughout the OB van. Each outdoor unit of the offered air conditioners should be capable of driving two or more indoor units. Each technical area should be provided with more than one number of indoor units driven by different outdoor units to facilitate redundancy in the event of failure of one of the outdoor units.</p> <p>Queries:</p> <p>(i) Since it is proposed to deploy the van in</p>	<p>(i) Provision of heating system is</p>

	<p>Tropical/Sub-tropical conditions where Ambient Temperature may vary from subzero to 50° C, It may be clarified whether a cassette type split AC with reverse cycle is to be provided for heating in subzero environment.</p> <p>(ii) The bidder may be allowed to customize the design of air conditioning in the OB Van.</p>	<p>not required.</p> <p>(ii) Bidders are required to customize the Air Conditioning system to meet the requirement as stipulated in the DD specifications.</p>
4.	<p>Clause No.3.8(a): Provision of 38 nos. of 8.4"/9" HD SDI, SD SDI & Analog input LCD/TFT video monitors with wide screen and Anti-glare/Anti-reflection protection, 800 x 480 resolutions, high contrast ratio, high brightness, tally, etc. is to be made.</p> <p>Clause No. 3.8(c): The slow/super slow motion area should have 12 nos. of 6.5" TFT HDSDI & SD-SDI video monitors with wide screen and Anti-glare/Antireflection protection, 800 x 480 resolutions, high contrast ratio, high brightness, tally, etc. for monitoring of all the 12 record/play-out channels of both the servers.</p> <p>Query: In place of large no. (50 nos.) of small TFT monitors the firm proposes to install 17" or 20" Monitors with Quad split (Multi-viewer) facility to provide a more cost effective solution, this will also help in saving the space for mounting of the monitors.</p>	<p>The firm may quote as per the DD specifications.</p>
5.	<p>Clause No.3.10(a)VIII: It should have 5.1 surround sound recording facility and necessary hardware and software for this should be offered.</p> <p>Queries:</p> <p>(i) It is requested to clarify whether surround Sound processing of audio signal is required for monitoring also.</p> <p>(ii) It may also be confirmed whether the recording will take place on VTR or EVS.</p>	<p>(i) The firm may refer DD Specifications clause no. 3.8(f) and Sr. No. A.(VII).6 of Appendix-II under Complement of Equipment in each OB Van</p> <p>(ii) Recording will take place either in VTR or in Video Servers or in both.</p>
6.	<p>Clause: Para 1.3 of the tender document Delivery period: 4 months.</p> <p>Query:</p> <p>(iii) 4 Months period for SITC of 2 nos. of 12 Camera High Definition OB Van is too short. It is felt that the minimum Delivery Period should be 8 months. Please consider.</p> <p>(iv) As discussed the delivery period for the OB Vans may be revised to 8 months in view of the fact that only Euro – 4 emission compliant vehicles can be registered in both Delhi & Mumbai. It may be mentioned that none of the three vehicle manufacturers i.e. TATA Motors, Ashok Leyland and Volvo manufacture Euro – 4 compliant vehicles at present, only TATA motors however is likely to manufacture such vehicle in the next six months</p>	<p>Amended Clause 1.3 may be referred</p>

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	period.	
7.	<p>Payment terms for Indian Bidder: Para 23.2(ii) for SITC/SETC (Supply, Installation/Erection, Testing & Commissioning) Contracts: 80% payment for "FOR Destination value" of equipment/material shall be [paid after Inspection and receipt of equipment! material as recorded in the provisional consignee receipt certificate of Inspection notes. Balance 20% cost of equipment! Materials along with the 100% cost of installation/erection shall be paid after satisfactory completion of project as recorded in the final consignee receipt certificate. A completion certificate from consignee shall also be submitted.</p> <p>Query: Since the SITC is of high value, it is proposed that a mobilization advance of 40% of the SITC value may be sanctioned to the successful bidder, on submission of a Bank Guarantee of equivalent amount. The Payment Terms may be amended accordingly.</p>	Not acceptable, the Payment Terms are as per tender.
8.	<p><u>Delivery period</u> The mentioned delivery period in the bid is 4 months. For practical logistical reasons including lead time of chassis, coach building, export and re-import of the coach, etc. the minimum delivery period shall be 10 months for the two vans.</p>	Amended Clause 1.3 may be referred
9.	<p><u>Payment Terms</u> The specified payment terms of 80% on delivery will require a huge investment and cost of over Rs.30 crore for the bidders. As is the practice globally for such large projects, stage wise Milestone payments shall be considered to improve the cash flow and reduce the cost of the projects. Such payments shall be backed by requisite Bank Guarantees from the bidder side.</p>	Not acceptable, the Payment Terms are as per tender.
10.	In Delhi & Mumbai registration rules require Euro 4/BS4 compliance for the vehicle. The major manufacturer of these vehicles are yet to launch such compliant models in the market. In view of this, will registration else where be acceptable to Doordarshan?	The firm may quote as per DD specifications clause no. 2.2 (b).
11.	Will Doordarshan accept "Side Expandable" coach to obtain more space/work area in the OB Van? The specifications are silent on this specification.	Not acceptable.
12.	Will Doordarshan accept Delivery Acceptance & Training of both Vans at a single location?	No. The Van is required to be delivered at Delhi & Mumbai and the training is required to be imparted separately at each location.
13.	<p>Clause no.3.2. Query: OEM advises that output power for the wireless camera system for DVB-T compliant operation should not be</p>	The power specified as 1 Watt is the maximum transmitter output

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	<p>one watt as so much power on the shoulder of the cameraman can be injurious to his health. Therefore keeping this in view, most of the known manufacturers of such systems have kept the effective power output in the range of 200 to 400 mWatt for safety reasons with spectrum spread of 8 MHz.</p>	<p>power permissible to operate in license free frequency band 2.4 GHz to 2.4835 GHz as specified under DD Specifications clause no. 3.2 (a).</p>
14.	<p>Clause no.3.1(f) Query: Since all the cameras, lenses and tripods shall be in hard carrying case, the storage space in the Van may not be sufficient. Therefore, a separate van to carry most of the loose equipment is suggested. As procurement of some of the crucial items such as van chassis etc. and considering the number of items to be identified for work completion plus the amount of work to be executed. It is proposed that delivery period should be minimum eight months.</p>	<p>Not acceptable.</p>
15.	<p>Clause no.2.2: <u>Customization of the Vehicle</u> (a) The Production Van should be built on chassis not exceeding to overall vehicle length of 12 meters. Vehicle from reputed manufactures in the field of automobiles such as Tata Motors, Ashok Leyland and Volvo will only be acceptable.</p> <p>Query: A 12M rigid truck is not recommended given DD requirement. As per our experience in similar projects, we recommend a 13-14 M trailer due to the following reasons :</p> <p>a. As per our experience a 12M rigid truck would have box length of around 8M which will be insufficient for 12 camera setup with cables and other equipments. In addition to this, sufficient work area requirement will be very difficult to achieve. A trailer would give 8M of internal work area and in addition about 4M of equipment cargo space.</p> <p>b. A trailer would also have large separate storage compartments underneath for cables drums and other equipment while this would not be present in rigid truck.</p> <p>c. In case of a trailer, if the prime mover (tractor) becomes faulty, it can be easily removed and replaced by another tractor and the OB van will be mobile again. In case of mobile truck, the OB van will be out of action till the fault is repaired.</p> <p>d. The trailer will be of Same construction type as mentioned with rigid one piece fiberglass composite construction. This is Strong lightweight with great thermal properties.</p>	<p>Amended Clause 2.2 (a) may be referred.</p>
16.	<p>The vehicle should be equipped with suitable capacity diesel engine with enough head room conforming to BS/Euro emission norms for Delhi and Mumbai.</p> <p>Query:</p>	

<p>As per our information, Delhi and Mumbai emission norms require conformation to Euro IV emission.</p> <p>As per information received from manufacturers of mentioned/ recommended by DD, Euro IV conforming trucks are not readily available.</p> <p>Hence, it is recommended that instead of requiring rigid truck, DD amends their requirement to only fabrication of trailer (without tractor) with all equipments. In this way, DD can use existing cranes, tractors to make the trailer mobile. Further DD can purchase separately standard tractors to be used with the trailers with required Euro norms when they become readily available.</p>	<p>The firm has to provide trailer & tractor both as specified under amended clause no. 2.2(a) of DD Specifications.</p>
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