



**Government of India
Central Water & Power Research Station
Khadakwasla, Pune – 411 024**

No.708/1/EE(C)/TC/CVC/2015

Date : **02.07.2015**

TENDER NOTICE

Executive Engineer (Civil) CWPRS, Pune for and on behalf of the President of India, invites, sealed tenders from eligible suppliers for the supply of following stores:

Sr No	Item	Quantity	Earnest Money Deposit in Rupees
1	HD Camcorder Video Camera alongwith Accessories (Specifications mentioned in Tender Document)	1 No	Rs. 9,040/- (Rupees Nine thousand Forty only)

Tender forms could be obtained from the office between **0930 hrs and 1600 hrs upto 15.07.2015** on payment of a non-refundable fee of Rs 500/- in cash or in the form of DD drawn in favour of Executive Engineer (Civil), CWPRS payable at Pune. Tender form can also be **downloaded from CWPRS Website : www.cwprs.gov.in** and should be submitted alongwith tender form fee of Rs 500/- in the form of DD drawn in favour of Executive Engineer (Civil), CWPRS payable at Pune. **Bids received without exact EMD and Tender form fee will be summarily rejected.**

Reputed Firms may send their lowest offers for the same in Sealed Envelopes superscribing Bid for the above mentioned item in person / by post so as to reach Executive Engineer (Civil), CWPRS, Pune 411 024 (India) on or before **17.07.2015 upto 1430 hours, the Bids would be opened on 17.07.2015 at 1500 hours.**

Executive Engineer (Civil)

Government of India
Ministry of Water Resources
River Development and Ganga Rejuvenation
Central Water and Power Research Station
P.O. Khadakwasla Research Station, Pune – 411 024.

Tender Document for
HD Camcorder Video Camera With Accessories

Phones: 020-24103220/24103223
Email :ee_civil&cwprs.gov.in

Fax: 91-20-24381004
Web: ww.cwprs.gov.in



Government of India
Central Water & Power Research Station
Khadakwasla, Pune – 411 024, India

TO BE RETURNED IN ENVELOPE IN ORIGINAL DULY SIGNED

TENDER DOCUMENT FOR **HD Camcorder** Video Camera With accessories

NAME OF BIDDER :

ADDRESS :

PHONE NO :

FAX NO :

LAST DATE FOR RECEIPT : **17.07.2015 UPTO 14:30 HOURS:**

DATE OF OPENING OF TENDER: **17.07.2015 AT 15:00 HOURS:**

THIS TENDER DOCUMENT CONTAINS THE FOLLOWING:

- A) TECHNICAL SPECIFICATIONS
- B) SCHEDULE OF WORK
- C) GENERAL CONDITIONS

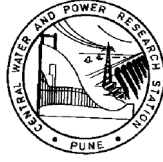
THIS BIDDER SHOULD READ ALL THE INSTRUCTION IN THE DOCUMENT THOROUGHLY BEFORE SUBMITTING THE TENDER AND ADHERE TO THE DATES GIVEN.

(SIGNATURE & SEAL OF BIDDER)

EXECUTIVE ENGINEER (CIVIL)

Phones: 020-24103220/24103223
Email : ee_civil.cwprs@nic.in

Fax: 91-20-24381004
Web: www.cwprs.gov.in



**Government of India
Central Water & Power Research Station
Khadakwasla, Pune – 411 024, India**

SCHEDULE OF WORK

NAME OF THE WORK: PROCURMENT OF HD Camcorder video Camera With Accessories

Item No.	Description.	Rate Rs.	Amount in figures (Rs.)	Amount in words
1.	HD Camcorder Video Camera With accessories (1 No.) as per specification			

Make:

Model:

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EXECUTIVE ENGINEER (C)

TERMS AND CONDITIONS

- 1 a) DD/FDR in respect of EMD or documents relating to exemption from EMD
b) Latest available sales tax clearance certificate.
c) Cost of tender Rs. 500/- in the form of DD drawn in favour of EE(C), CWPRS
Payable at Pune in case of downloaded Tender documents.

The above document must be submitted along with bids, in absence of the same, bids would be rejected.

- 2 The tender received after due date and time will not be taken into consideration.
- 3 The validity of the Tender will be at least Sixty Days.
- 4 The rates quoted shall be written by ink, both in figures and words.
- 5 Quoted rates should be inclusive of all taxes, packing, charges, transporting charges etc.
- 6 The materials/equipments for which quotation is submitted shall confirm strictly to the specifications given in the name, model number relevant ISI specification for the materials / equipments offered shall be furnished along with the descriptive leaflets, if any.
- 7 Materials should be delivered at CWPRS in good condition.
- 8 It shall normally be presumed that material / equipments are available ex-stock and shall be supplied immediately. In case of any likely delay in effecting supplies, the delivery period shall be specifically mentioned in the quotation.
- 9 If a firm accept the order and fails to execute the order, in full or part as per terms & conditions stipulated therein, it will be open to the Director to recover liquidated damages from the firm at the rate of 1% of the value of the undelivered stores. It will also be open to the Director, alternatively, to arrange procurement of the required stores from any sources, at the risk and expenses of the firm accepted and failed to execute the order according to stipulations agreed upon. This will also entail removal of the defaulters name from the approved / registered list of suppliers.
- 10 No insurance charges will be paid by this department, if any insurance cover is considered necessary due to delicate or fragile nature of the equipment; prior approval of the department shall be obtained before incurring expenditure.

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EXECUTIVE ENGINEER (C)

- 11 Form H or D whichever is applicable will be supplied by this office for charging sales tax at concessional rates.
- 12 Original parts should only be supplied.
- 13 The department reserves the right to reject any or all the quotations without assigning any reasons.
- 14 No other conditions of payment and delivery will be accepted.
- 15 EMD of **Rs 9040/-** in the form of DD/FDR in the name of EE(C), CWPRS should be enclosed alongwith the bids. **Bids without EMD and in the form of Cheque would be rejected.**
- 16 Supplier should replace the faulty material immediately; otherwise the cost will be recovered from the EMD amount.
- 17 Supply order will be placed with the overall lowest bidder.
- 18
 - i) Payment would be made within 30 days after satisfactory completion of supply.
 - ii) Security deposit: - the successful firm will have to deposit 10% of the total cost of awarded work in terms of FDR with Executive Engineer (C), CWPRS, Khadakwasla, Pune ó 24 after award of work. The amount deposited will be returned to the supplier after one year of carrying out the entire supply satisfactorily or otherwise 10% will be deducted from the bills as security deposit and the same will be released after one year of supply.
- 19 Testing, commissioning and training if any, should be undertaken by the supplier within a reasonable period. It would be open to the competent authority to take necessary action against the supplier, if timely action is not taken by the supplier.
- 20 The quotation should accompany detailed technical literature and leaflets of the model quoted. No deviation from the above mentioned specifications would be accepted.
- 21 A complete list of items supplied as essential accessories may be furnished.
- 22 Specifications of all available optional accessories may be furnished.
- 23 Specifications of all expendable / consumable items may be given.
- 24 Technical manuals should be supplied in duplicate with the equipment.

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- 25 Recommended list of spares may be given.
- 26 Delivery period after placement of the order should be indicated.
- 27 Warranty of at least ONE YEAR should be offered from the date of testing of the equipment at CWPRS.
- 28 The terms & conditions and scope of after sales services, maintenance, repairs, replacement etc. may be indicated.
- 29 The total system satisfying above specifications from a single supplier will only be considered.
- 30 Representative in India with address and phone/telex/fax numbers, E-mail address and name of the contact person and after sales service facilities available through that representative may be furnished.
- 31 The address of the users of the quoted equipment in India may be given. Any relevant document which would support the credibility, competence of the bidder may be submitted.
32. Octroi not applicable as CWPRS is out of octroi limit.
33. The bid for the work/supply shall remain open for a period of 60 days from the date of opening of the bid. The government shall without prejudice to any other right or remedy be at liberty to forfeit 50% of the earnest money if the bidder withdraw his bid before that date or makes any modifications in the terms and conditions of the bid which are not acceptable to the department and to forfeit whole of the earnest money if the bidder, whose bid accepted, fails to commence the work/supply specified in the NIQ (along with changes in scope, if any) in the prescribed time or abundance the work/supply before its completion.
34. EMD and any other conditions not covered in the terms and conditions of this Document shall be governed by the provisions of CPWD manual.

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SPECIFICATIONS

CAMERA	HD Camcorder
MAKE	SONY / PANASONIC / JVC
IMAGE DEVICE	3-chip 1/2-inch Full HD CMOS Sensor
Effective Picture Elements (HxV) :	1920(H) x 1080 (V)
Slow Shutter:	2, 3, 4, 5, 6, 7, 8, 16, 32 & 64 frame accumulation
Shutter Speed:	1/32sec to 1/2,000 sec.
Optical System :	F1.6 prism system
Buit-in-Optical fillers	OFF: Clear, 1:1/8ND, 2:1/64 ND
Sensitivity (2000 lx, 89.9% reflectance) :	F11 (typical)(1920x1080/59.94i mode)
Gain Section :	-3, 0, 3, 6, 9, 12, 18 Db
S/N Ratio :	56db(Y)(typical)
Minimum rumination:	0.12lx (typical)(1920x1080/59.94i mode,F1.9+18db gain 0.02 lx (typical) (1920x1080/59.94i mode, F1.9+18db gain With64 frame accumulation gamma off 50% video level) Horizontal resolution: 1,000 TV lines or more (1920x1080i model)
Lens Type:	Fujinon
Focal Length	5.8 - 81.2 mm (30 - 439 mm 35 mm equivalent)
Zoom Ratio :	17x optical (servo / manual)
Iris :	f/1.9 - 16 & close (auto / manual selectable)
Focus :	Autofocus / Manual Focus / Full Manual Focus selectable
Image Stabilizer	ON/OFF Selectable, Shift Lens
Filter Diameter	M77 mm, pitch 0.75mm
Media Type :	2 x Express Card / 34 slots
Battery	BP-U 90 (Operating time 6Hrs)
Recording	<i>Video Recording Format</i> UDF Mode (HD) MPEG HD422 (MPEG-2 422P@HL):CBR, 50 Mb/s MPEG HD420 (1440 x 1080, MPEG-2 MP@HL): HQ mode (VBR, maximum bit rate: 35 Mb/s) SP mode (CBR, 25 Mb/s) - playback only LP mode (VBR, maximum bit rate: 18 Mb/s)-playback only UDF Mode (SD)

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	<p>DVCAM (CBR, 25 Mb/s) FAT Mode (HD) MPEG HD420 (1920 x 1080, MPEG-2 MP@HL): HQ mode (VBR, maximum bit rate: 35 Mb/s) SP mode (CBR, 25 Mb/s) FAT Mode (SD) DVCAM (CBR, 25 Mb/s)</p>
exFAT	<p>XAVC-I mode: CBG, max. 112Mbps, MPEG-4 H.264/AVC - 1920x1080/59.94i, 50i, 29.97P, 23.98P, 25P 1280x720/59.94P, 50P XAVC-L 50 mode: VBR, max. 50Mbps, MPEG-4 H.264/AVC - 1920x1080/59.94P, 50P, 59.94i, 50i, 29.97P, 23.98P, 25P - 1280x720/59.94P, 50P XAVC-L 35 mode: VBR, max. 35Mbps, MPEG-4 H.264/AVC - 1920x1080/59.94P, 50P, 59.94i, 50i, 29.97P, 23.98P, 25P XAVC-L 25 mode: VBR, max. 35Mbps, MPEG-4 H.264/AVC - 1920x1080/59.94i, 50i MPEG HD422 mode: CBR, 50Mbps, MPEG-2 422P@HL - 1920x1080/59.94i, 50i, 29.97P, 23.98P, 25P - 1280x720/59.94P, 50P, 29.97P, 23.98P, 25P MPEG HD420 HQ mode: VBR, max. 35Mbps, MPEG-2 MP@HL - 1920x1080/59.94i, 50i, 29.97P, 23.98P, 25P - 1440x1080/59.94i, 50i, 29.97P, 23.98P, 25P - 1280x720/59.94P,50P,23.98P(2-3 Pull Down) DVCAM mode: CBR, 25Mbps, DVCAM - 720x480/59.94i, 29.97PsF - 720x576/50i, 25PsF</p>
Audio Recording Format :	<p>UDF Mode (HD) MPEG HD422 (MPEG-2 422P@HL): 4 channels, 48 kHz, 24-bit LPCM MPEG HD420 (1440 x 1080, MPEG-2 MP@HL): 4 channels, 48 kHz, 16-bit LPCM UDF Mode (SD) DVCAM: 4 channels, 48 kHz, 16-bit FAT Mode (HD) MPEG HD420 (1920 x 1080, MPEG-2 MP@HL): 2 channels, 48 kHz, 16-bit LPCM FAT Mode (SD) DVCAM: 2 channels, 48 kHz, 16-bit LPCM</p>
FAT	<p>MPEG HD420 HQ mode: VBR, max. 35Mbps, MPEG-2 MP@HL - 1920x1080/59.94i, 50i, 29.97P, 23.98P, 25P - 1440x1080/59.94i, 50i, 29.97P, 23.98P, 25P - 1280x720/59.94P,50P, 29.97P, 25P, 23.98P MPEG HD420 SP mode: CBR, 25Mbps, MPEG-2 MP@H-14 - 1440x1080/59.94i, 50i, 23.98P(2-3 Pull Down)</p>

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DVCAM mode: CBR, 25Mbps, DVCAM
 - 720x480/59.94i, 29.97PsF
 - 720x576/50i, 25PsF, Proxy: H.264
 - 1280x720: 9Mbps
 - 640x360: 3Mbps
 - 480x270: 1Mbps
 - 480x270: 500Kbps

Input / Output /Genlock Input: 1 x BNC (switchable to Composite video out),
 1.0 Vp-p, 75 ohms

TC Input : 1 x BNC (switchable to TC out), 0.5-1.8 Vp-p, 10 ohms

Audio Input: XLR-type 3-pin (female) (x2)(Line, Mic & Mic+48V selectable)
 XLR-type 3-pin (female) (x2)

SDI Output: 1 x BNC (HD/SD switchable) SMPTE292M/259M standards
 BNC (x1), 3G/HD/SD selectable

Composite Video Output: 1 x BNC (switchable to Genlock in),
 HD-Y / Composite switchable, 1.0 Vp-p,
 75 ohms AV multi connector, NTSC or PAL

Audio Output: A/V multi connector (x1) out jack (10-pin connector) AV multi
 connector -10dbu(Reference level)47k ohms
 TC Output 1 x BNC (switchable to TC in), 1.0 Vp-p,
 10 ohms, 12M-2-2008 standard

Headphone Jack : 1 x 3.5 mm mini-jack (rear, stereo)

Monitor Speaker : 1 x monaural speaker (250 mW)

Built-In Microphone : 1 x omni-directional stereo electret
 Condenser microphone

GPS*2 Facility

Wireless functions Facility

NFC Facility

i.Link : 1 x FireWire IEEE-1394 (4-pin), HDV (1080i) /
 DV in-out, S400

USB Port: 1 x USB 2.0 mini-B (device)

Headphone Output: stereo mini jack (x1)-18dbu 19 ohms

Lens remote: 8 pin round (x1)

HDMI output: TypeA(x1)

Option: 4 pin,type A(x1)

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