

**Government of India  
Bhabha Atomic Research Centre  
Post Irradiation Examination Division, Radiological Laboratories  
Trombay, Mumbai 400 085**

Tel: 25594047, Fax: 2550 5151

Ref: PIED/NHF/AB/2017/358A

16.05.2017

To,

**Sub: Fabrication and supply of motion capture device**

Dear Sir,

Please send us your lowest quotation for motion capture device as per the technical specification and terms and condition given below:

**Scope of work:**

(A) Fabrication and supply of motion capture device as per following specification  
**Quantity = Six Nos.**

SENSOR SECTION	SENSOR FOR MAIN CAMERA	Image Sensor	1/2.3-inch BSI MOS Sensor
		Total Pixels	18.91 megapixels
		Effective Pixels [Motion Image]	4K: 8.29 megapixels [16:9], Full-HD: 6.10 megapixels [16:9] (Level Shot Function OFF or Normal)
		Effective Pixels [Still Image]	7.00 megapixels [3:2]
		Effective Pixels [Still Image]	8.29 megapixels [16:9]
		Effective Pixels [Still Image]	6.22 megapixels [4:3]
	SENSOR FOR SUB CAMERA	Image Sensor	1/4-inch MOS Sensor
		Total Pixels	5.27 megapixels
LENS SECTION	LENS FOR MAIN CAMERA	F Value	F1.8 (WIDE) / F3.6 (TELE)
		Optical Zoom	20x
		Focal Length	4.08 – 81.6 mm

		35 mm Film Camera Equivalent [Motion Image]	4K: 30.8 – 626 mm (Level Shot Function OFF), Full-HD: 37.0 – 752 mm (Level Shot Function OFF or Normal)
		35 mm Film Camera Equivalent [Still Image]	34.5 – 690.3 mm [3:2]
		35 mm Film Camera Equivalent [Still Image]	30.8 – 626 mm [16:9]
		35 mm Film Camera Equivalent [Still Image]	37.6 – 752.8 mm [4:3]
		Filter Diameter	49 mm
		Lens Brand	Leica Dicomar Lens
	LENS FOR SUB CAMERA	FOV Value	F2.2
		Focal Length	3.54 mm
		35 mm Film Camera Equivalent [Motion Image]	37.2 mm (Motion picture recording mode)
	CAMERA SECTION	Standard Illumination	
Minimum Illumination		2 lx (Scene Mode Low Light 1/25), 1 lx (Night Mode (Color)) 0 lx (Night Mode (Black))	
Focus		Auto / Manual	
Zoom		Intelligent Zoom OFF	20x
		Intelligent Zoom ON	4K: 25x, Full-HD: 40x

RECORDING SECTION	Recording Media		SD/SDHC/SDXC Memory Card
	Recording Format		[AVCHD] AVCHD Progressive
	Recording Format		[iFrame / MP4] MP4
	Compression Method		MPEG-4 AVC/H.264
	Recording/ Playback Mode	AVCHD	1080/50p (28Mbps / VBR), (1920 x 1080/50p)

STILL IMAGE SECTION	Recording Format		JPEG (DCF/Exif2.2)
	Recording Image Size	Still Image	[16:9] 25.9 megapixels (6784 x 3816), 14 megapixels (4992 x 2808), 2.1 megapixels (1920 x 1080)

GENERAL SECTION	Power Supply		3.6V (Battery) / 5.0V (AC Adaptor)
	Power Consumption		Max. 7.8W (Recording) / Max. 7.7W (Charging)
	Dimensions (W x H x D)		Approx. 68 x 78 x 163mm (2.677 x 3.071 x 6.417 inch)
	Weight (w/o battery and SD card)		Approx. 403g (0.888lb)
	LCD Monitor		3.0-inch Wide LCD monitor (460,800 dots)
	Touch Panel		Yes
	View Finder		0.24-inch Wide EVF (1.555.200 dots equivalent)
	Manual Ring / Dial		Yes (Dial)
	Interface	AV	Yes
HDMI		Yes (micro)	
Microphones (stereo mini)		Yes	


Wi-Fi	Standard	IEEE 802.11b/g/n
	Frequency	2.4GHz band
	NFC	-

1. The finished product will be inspected at the fabricators works before dispatch
2. Safe delivery to RLG Zonal Stores, BARC, Mumbai

## **Terms and Conditions :**

1. The work is to be completed within 20 days of receiving the firm work order from us.
2. The sealed quotations shall reach the office of the Head PIED, New Hot Cells Facility, RLG, Mumbai – 85 on or before **23.05.2017 by Registered Post of Indian postal services.**
3. Please address your offer to: **Anil Bhandekar, SO/G, Post Irradiation Examination Division, RLG, BARC, Trombay, Mumbai-400 085.**
4. The quotations are to be sent in a sealed envelope with the following information marked on top of the envelope: “Quotation for motion capture device”
5. Offers sent by telegram, telex, fax or e-mail will **not** be considered.
6. All taxes should be mentioned clearly.
7. Quotation should be in the printed letter head /quotation format which should consist of Sales Tax Registration Number, PAN Number of the firm, Service Registration Number, etc.
8. **Quotation shall be signed by proprietor or authorized person and affix company seal.**
9. Computer generated quotation form will not be accepted.
10. Item is required for research purposes. Therefore, excise duty will not be applicable. The necessary excise duty exemption certificate will be issued. Supplier has to quote the price exclusive of excise duty.
11. Income Tax @2%, surcharge on IT as applicable and educational cess as applicable (on IT & surcharge) will be deducted at source from your bill
12. Delivery period should be mentioned with all the possible consideration.
13. Payment will be made within 30 days from the date completion.

Yours sincerely,


ANIL BHANDEKAR  
Scientific Officer  
Government of India  
P.I.E. Division, B.A.R.C.  
Trombay, Mumbai - 400 085.

Anil Bhandekar  
SO/G, PIED