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**KRWSA - KERALA
PROCUREMENT OF GOODS
UNDER
SHOPPING PROCEDURES**

*(For Contracts valued less than the
equivalent of US \$10,000 each)*

**Project : Second Kerala Rural Water Supply & Sanitation
Project**

**SUPPLY OF GOODS & SETTING UP OF VIDEO
CONFERENCING FACILITY IN THE OFFICES OF
KRWSA**

**INVITATION FOR QUOTATIONS FOR SUPPLY AND INSTALLATION OF
GOODS UNDER SHOPPING PROCEDURES**

No. KRWSA-PMU/281/2018-TA (Proc)

Dated: 19/02/2019

Dear Sirs,

SUBJECT : INVITATION FOR QUOTATIONS FOR SUPPLY OF GOODS AND SETTING UP OF VIDEO CONFERENCING FACILITY IN THE OFFICES OF KRWSA(KERALA RURAL WATER SUPPLY AND SANITATION AGENCY), REG:-

1. You are invited to submit your most competitive quotation for the supply of the following goods and setting up of a video conferencing facility connecting the following offices.

(1) KRWSA(Kerala Rural Water Supply and Sanitation Agency), PMU(Project Management Unit), 3rd Floor, PTC Towers, S.S. Kovil Road, Thampanoor, Thiruvananthapuram

(2) KRWSA, RPMU(Regional Project Management Unit), 2nd Floor, Building No.III/253, Near AKG Hospital, Thalappuram, Kannur-670 002

(3) KRWSA, RPMU, MMC.X/108-112, 2nd Floor, UMK Tower, Jubilee Road, Uphill, Malappuram-676 505

(4) KRWSA, RPMU, 1st Floor, Matha Arcade, Thodupuzha-685584

Sl. No.	Brief Description of the Goods	Specifications *	Quantity	Delivery Period	Place of Delivery	Installation Requirement, if any
1	Display / TV / Console (50")	Separately attached	1	15 days	KRWSA, PMU, Thiruvananthapuram	Yes
2	Display / TV / Console (40 / 42")	Separately attached	1**	15 days	KRWSA, RPMU, Kannur	Yes
3	Camera PTZ	Separately attached	1	15 days	KRWSA, PMU, Thiruvananthapuram	Yes
4	VC Camera	Separately attached	3	15 days	KRWSA, RPMU, Kannur, Malappuram and Idukki	Yes

5	Audio Device (Microphone and Speaker)	Separately attached	4	15 days	One each for each office	Yes
6	All the adjoining materials such as HDMI/USB cable, camera stand etc required for the setting up of the video conferencing facility	With standard quality	as required	15 days	4 offices	Yes

** Where ISI certification marked goods are available in market, procurement should generally be limited to goods with those or equivalent marking only.*

*** Two no. of TV Sets available with KRWSA should be used for setting up the facility in the offices in Malappuram and Thodupuzha.*

2. Government of India has received a Credit from the International Development Association (IDA) in various currencies equivalent to US\$ 155.3 Million towards the cost of the Second Kerala Rural Water Supply & Sanitation Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. **Bid Price**

- a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- b) All duties and taxes including GST and other levies payable on the raw materials and components and service shall be included in the total price.
- c) GST and any other taxes in connection with the sale and service shall be shown separately.
- d) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- e) The Prices shall be quoted in Indian Rupees only.

4. **Special conditions .**

- (1) The service provider must produce MAF(Manufacturer Authorisation Form) along with the quotation to ensure the supplier provides the OEM(Original Equipment Manufacturer) warranty.
- (2) Proper tax invoice and documents of warranty and guaranty, if any should be produced for the electronic/electric items
- (3) The service provider must have at least 3 years experience with Government business in India
- (4) All the adjoining components such as HDMI/USB cables, camera stand etc must be provided by the service provider without any extra cost.
- (5) Electricity Power and internet connectivity will be provided by KRWSA
- (6) The service provider will be responsible for supply of the items to the locations and for installation and configuration of the video conferencing system by their own means and cost.

(7) After completion of the setting up of the video conferencing facility, the service provider should provide a demo cum training of the video conferencing system in each of the office.

(8) Initial warranty for one year should be provided by the service provider for the system without any additional cost and should mention the cost of additional 2 years warranty.

5. Each bidder shall submit only one quotation. Bidder shall not contact other bidders in matters relating to this quotation.

6. **Validity of Quotation**

Quotation shall remain valid for a period not less than 45 days after the deadline date specified for submission.

7. **Evaluation of Quotations**

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

(a) are properly signed ; and

(b) conform to the terms and conditions, and specifications.

The Quotations would be evaluated for all the items together. GST and any other tax in connection with sale of goods and service shall not be taken into account in evaluation.

8. **Award of contract**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

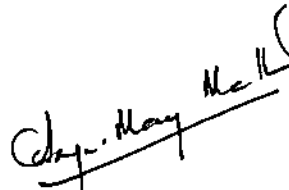
8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the supply order.

9. Payment shall be made immediately after delivery of the goods, successful setting up of the video conferencing system and demo/training.

10. Normal commercial warranty/ guarantee shall be applicable to the supplied goods.

11. You are requested to provide your offer latest by 4 P.M. on 28th February, 2019 (Thursday).

12. We look forward for receiving your quotations and thank you for your interest in this project.



Name: ANJU MARY MATHEW

Director (Finance & Administration)

KRWSA, 3rd Floor, PTC Towers,

S.S. Kovil Road, Thampanoor,

Thiruvananthapuram.

Tel No. 0471 - 2337002, Extn202, 208, 220

FORMAT OF QUOTATION ***

Sl. No.	Description Goods	Specifications	Qty.	Unit	Quoted Unit Rate in Rs.	Total Amount	
						In Figures	In Words
TOTAL							
GST and other taxes, if any							

Gross Total Cost : Rs.

We hereby agree to supply the goods and set up the video conferencing facility in the four offices of KRWSA as specified in quotation notice no....., dated,..... in accordance with the technical specifications and conditions and clauses mentioned therein, for a total contract price of Rs. (amount in figures) (Rupees amount in words) within the period specified in quotation notice.

We also confirm that the normal commercial warrantee/guarantee of months shall apply to the offered goods.

We also hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery or collusive agreements with competitors.

**Name, designation and Signature of Supplier
Full Address**

Attachment to Quotation No. KRWSA-PMU/
281/2018-TA(proc) dt. 19/2/2019.
Specifications

Camera for PMU (1 no)

Sl. No.	Parameter	Specifications
1	Sensor	The sensor should be 1/2.8" 5MP CMOS or better.
3	Back Light Compensation	Should have a selectable Back-light compensation
4	S/N ratio	Should have a S/N Ratio of >50db.
5	Iris	Should have an Auto/Manual Iris
6	Optical Zoom	Should have a 10 X Optical ZOOM or better
7	Field of View	Should have minimum 60 degrees or higher
8	Video Interface	Should have a standard Video Output through USB
9	Video Signal Support	Should support Video format of 1280x 720 @30p, upto 1080p @30 through Mjpg or equivalent
10	Control Port	Should have an RS 232 port for Communication, EIA/RS-232 (Bidirectional)
11	Presets	Should have at least 10 or more Position Presets
12	Pan Range	Should have a Pan Rotation Angle of -140 degrees to +140 Degrees or better
13	Tilt Range	Should have a Tilt Rotation Angle of -20 degrees to + 20 degrees or better
14	Accessory	Should be supplied with remote control, USB cable and Indian std. power adapter
15	Warranty	3 years OEM warranty

Camera for Regional offices (3 nos)

Sl. No.	Parameter	Specifications
1	Image Sensor	2MP CMOS or better
2	Max. Video Resolution	1920 x 1080 Pixels (1080p @ 30fps)
3	Support resolution	should support the following : 1920 x 1080, 1280 x 720, 1024 x 768, 800 x 600, 640 x 480

4	Video encoding	H.264, MJPEG, YUV2 or better
5	Viewing Angle	It should have a minimum of 96 degrees field of view.
6	Interface	USB
7	White Balance	The system should have an auto White balance
8	Color	It should support 24 bit color or better.
9	Camera Cable	It should come up with at least 1.5 m camera cable.
10	Aspect Ratio	the system should support 16:9 or higher
11	Warranty	3 years OEM warranty

Audio device (Speaker with Microphone) – 4 nos

Sl. No.	Parameter	Specifications
1	General	Web Conference Microphone & Speaker
2	External Interface	USB 2.0 full Speed, 3.5mm Connection for external Loud Speakers or Headphones.
3	Power	USB Power from PC and Laptop
4	Microphones	Should have three or more microphones
5	Speaker	Integrated Speaker
6	Echo Cancellation	Inbuilt Echo Cancellation
7	Audio Pick Up Range	Upto 9ft or better
8	Cable	USB 2.0 or equivalent
9	Noise Reduction	Inbuilt Noise Cancellation
10	Output Level	85dBA or better
11	Warranty	3 Years OEM warranty

Television for PMU (1 no)

Sl. No.	Parameter	Specifications
1	Display	50 Inch
2	Type	LED

3	Resolution	Full HD, 1920 x 1080 Pixels or better
4	Connectivity	HDMI, USB ports, VGA ports, 3.5mm audio jack and AV ports
5	Analog TV Reception Formats	PAL, NTSC, SECAM
6	Image Formats Supported	JPEG and similar
7	Video Formats Supported	3GP, AVI, MP4, WMV
8	Audio Formats Supported	AAC, MP3, WAV, WMA
	Warranty	3 Years OEM warranty

Television for Regional offices (1 no)

Sl. No.	Parameter	Specifications
1	Display	40 / 42 Inch
2	Type	LED
3	Resolution	Full HD, 1920 x 1080 Pixels or better
4	Connectivity	HDMI, USB ports, VGA ports, 3.5mm audio jack and AV ports
5	Analog TV Reception Formats	PAL, NTSC, SECAM
6	Image Formats Supported	JPEG and similar
7	Video Formats Supported	3GP, AVI, MP4, WMV
8	Audio Formats Supported	AAC, MP3, WAV, WMA
9	Warranty	3 Years OEM warranty

Compliance sheet for Camera for PMU

Sl. No.	Parameter	Specifications	Compliance	Deviations
			Yes / No	if Any
1	Sensor	The sensor should be 1/2.8" SMP CMOS or better.		
3	Back Light Compensation	Should have a selectable Back-light compensation		
4	S/N ratio	Should have a S/N Ratio of >50db.		
5	Iris	Should have an Auto/Manual Iris		
6	Optical Zoom	Should have a 10 X Optical ZOOM or better		
7	Field of View	Should have minimum 60 degrees or higher		
8	Video Interface	Should have a standard Video Output through USB		
9	Video Signal Support	Should support Video format of 1280x 720 @30p, upto 1080p @30 through Mjpg or equivalent		
10	Control Port	Should have an RS 232 port for Communication, EIA/RS-232 (Bidirectional)		
11	Presets	Should have at least 10 or more Position Presets		
12	Pan Range	Should have a Pan Rotation Angle of -140 degrees to +140 Degrees or better		
13	Tilt Range	Should have a Tilt Rotation Angle of -20 degrees to + 20 degrees or better		
14	Accessory	Should be supplied with remote control, USB cable and Indian std. power adapter		
15	Warranty	3 years OEM warranty		

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Camera for Regional offices

Sl. No.	Parameter	Specifications	Compliance	Deviations if Any
			Yes / No	
1	Image Sensor	2MP CMOS or better		
2	Max. Video Resolution	1920 x 1080 Pixels (1080p @ 30fps)		
3	Support resolution	should support the following : 1920 x 1080, 1280 x 720, 1024 x 768, 800 x 600, 640 x 480		
4	Video encoding	H.264, MJPEG, YUV2 or better		
5	Viewing Angle	It should have a minimum of 96 degrees field of view.		
6	Interface	USB		
7	White Balance	The system should have an auto White balance		
8	Color	It should support 24 bit color or better.		
9	Camera Cable	It should come up with at least 1.5 m camera cable.		
10	Aspect Ratio	the system should support 16:9 or higher		
11	Warranty	3 years OEM warranty		

Audio device (Speaker with Microphone)

Sl. No.	Parameter	Specifications	Compliance	Deviations if Any
			Yes / No	
1	General	Web Conference Microphone & Speaker		
2	External Interface	USB 2.0 full Speed, 3.5mm Connection for external Loud Speakers or Headphones.		

3	Power	USB Power from PC and Laptop		
4	Microphones	Should have three or more microphones		
5	Speaker	Integrated Speaker		
6	Echo Cancellation	Inbuilt Echo Cancellation		
7	Audio Pick Up Range	Upto 9ft or better		
8	Cable	USB 2.0 or equivalent		
9	Noise Reduction	Inbuilt Noise Cancellation		
10	Output Level	85dBA or better		
11	Warranty	3 Years OEM warranty		

Television for PMU (1 no)

Sl. No.	Parameter	Specifications	Compliance	Deviations if Any
			Yes / No	
1	Display	50 Inch		
2	Type	LED		
3	Resolution	Full HD, 1920 x 1080 Pixels or better		
4	Connectivity	HDMI, USB ports, VGA ports, 3.5mm audio jack and AV ports		
5	Analog TV Reception Formats	PAL, NTSC, SECAM		
6	Image Formats Supported	JPEG and similar		
7	Video Formats Supported	3GP, AVI, MP4, WMV		
8	Audio Formats Supported	AAC, MP3, WAV, WMA		
	Warranty	3 Years OEM warranty		

Television for Regional offices (1 nos)

Sl. No.	Parameter	Specifications	Compliance	Deviations If Any
			Yes / No	
1	Display	40 / 42 Inch		
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9	Warranty	3 Years OEM warranty		

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