

Organisation Details

Type: Central PSU
 Ministry: Ministry of Coal
 Department: Materials Management
 Organisation Name: Bharat Coking Coal Limited
 Office Zone: Bcl Dhanbad

Buyer Details

Name: Mrunal Mehta
 Designation: Deputy Manager MM
 Contact: -
 No.: -
 Email ID: mrunal.mehta@nic.in
 GSTIN: 20AAACB7934MFZB
 MM Department, level 3, Commercial Building, Koyla Bhawan,
 Address: Koyla Nagar,
 DHANBAD, JHARKHAND-826005, India

Financial Approval Detail

IFD Concurrence : No
 Designation of Administrative Approval : DT(P&P)
 Designation of Financial Approval : DT(P&P)

Seller Details

Company Name: MINESOURCE INDIA PRIVATE LIMITED
 Contact No.: 09334000314
 Email ID: msical.india@gmail.com
 Address: 13C,JABAKUSUM HOUSE,34, C.R.AVENUE,NEAR YOGAYOG BHAWAN,
 Kolkata, WEST BENGAL-700012, -

Product Details

#	Item Description	Category Name	Model	Ordered Quantity	Unit	Price (Inclusive of all Duties and Taxes in INR)
1	55" , PROFESSIONAL SMART LED, UHD DISPLAY	Television TV	LG & 55UT640S	15	pieces	894,615
2	online UPS	Online UPS	MAXIPOWER WOIT 6KVA -60MIN-11000VAH-EB	1	pieces	203,773
3	Polycom RPCS 1800 (25 ports@1080p30) with DMA, RPRM, RPAD and 5 years support	Video Conferencing MCU	Polycom RPCS 1800 with DMA, RPRM and RPAD	1	pieces	10,437,157
4	Polycom Medialign Express 55 with OEM Integrated Display and 5 years support	Video Conferencing End Point with Integrated Display	Polycom Medialign Express 55	1	pieces	1,237,549
5	ONLINE UPS	Online UPS	GREENLINE 1KVA WOIT 60MIN 1840VAH-EB	21	pieces	828,702
6	Polycom RealPresence Group 500 with EED-II, 1+ 5 Multiparty and 5 Years Support	Video Conferencing End Point	Polycom RealPresence Group 500 with EED-II, 1+ 5 Multiparty and 5 Years Support	1	pieces	1,242,519
7	43" , PROFESSIONAL SMART LED UHD DISPLAY	Television TV	LG & 43UU640C	5	pieces	273,355
8	Polycom RealPresence Group 310 with EagleEye Producer and 5 Years Support	Video Conferencing End Point	RealPresence Group 500 with EagleEye Producer	20	pieces	12,822,800
9	HARMAN Media Suite with 6 Recording & 3 Live Streaming	Video Conferencing Media Encoder	HARMAN Media Suite	1	pieces	789,745
Total Order Value (in INR)						28,730,215

Consignee Detail

S.No	Consignee	Item	Quantity	Expected Delivery Date
1	Alok Kumar - Landline-- kul.b0478@nic.in Depot Officer, Central Store, Ekra, BCCL, Post Office- BANSJORA, Dhanbad, Jharkhand-828101., DHANBAD, JHARKHAND-828101, India	online UPS	1	07-Mar-2020
		Polycom Medialign Express 55 with OEM Integrated Display and 5 years support	1	07-Mar-2020
		Polycom RealPresence Group 500 with EED-II, 1+ 5 Multiparty and 5 Years Support	1	07-Mar-2020
		Polycom RealPresence Group 310 with EagleEye Producer and 5 Years Support	20	07-Mar-2020
		HARMAN Media Suite with 6 Recording & 3 Live Streaming	1	07-Mar-2020
		55" , PROFESSIONAL SMART LED, UHD DISPLAY	15	07-Mar-2020
		Polycom RPCS 1800 (25 ports@1080p30) with DMA, RPRM, RPAD and 5 years support	1	07-Mar-2020
		ONLINE UPS	21	07-Mar-2020
		43" , PROFESSIONAL SMART LED UHD DISPLAY	5	07-Mar-2020

Product Specification for 55" , PROFESSIONAL SMART LED, UHD DISPLAY

Specification	Sub-Spec	Value
Specifications	Type	LED Backlit LCD
	Screen Size (Inches)	55
	Resolution (Pixels)	(3840x2160) UHD
	Category	Smart
	Operating System in case of Smart TV	Web OS
	Static contrast Ratio	1300 : 1
	Typical Brightness	400 - 500
	Screen Mirroring	Yes
	Mount Type	Both table and wall mount
	Inbuilt Speakers	Yes
	If Yes, Wattage of Speakers	10W x 2
	Sub Woofers	No
	Power Consumption (Watts)	124.1
Ports & Connectivity	Number of HDMI Ports	3
	Number of USB Ports	1
	Number of VGA Ports	0
	Number of Ethernet Ports	1
	Built-in Wi-fi	Yes
	Wi-fi Direct	Yes
Input	Composite Input	Yes
	Component Input	Yes
	RF Input	Yes
Accessories	Built-in set-top Box	No
	Details of accessories (included in the scope of supply)	Remote Control,Connecting Cable,Batteries

Certification	BIS Registration as per CRS of Meity	Yes
	BIS Registration Number	R - 75000086
	Energy Star Rating in line with the Government of India Notification number S O 1896(E) and S O 1897(E)	NA
Generic	Minimum Operating Temperature (Degree C)	0
	Maximum Operating Temperature (Degree C)	40
	Minimum Operating Humidity (%RH)	10
	Maximum Operating Humidity (%RH)	80
	Dimensions (Length x Breadth x Depth) (mm x mm x mm)	124.4 x 72.6 x 8.71
	Weight (Kg)	14.3
Warranty	Warranty(Years)	5

Product Specification for online UPS

Specification	Sub-Spec	Value
GENERIC	Rating in KVA (KVA)	6.0 KVA
	Technology	IGBT-PWM without inbuilt isolation transformer
	Input Power	single phase 160V - 260V sinewave,50Hz
	Output power	Single phase 230V +/-1% sinewave 50 Hz
	Backup time (Minutes)	60
	Minimum VAH (VAH)	11000
	Warranty for UPS (Years)	5
	Movable trolley for Batteries	Without trolley but with rack
	Warranty for battery	2
	Degree of Protection	IP20
	Cabling 5 meters for input and out put	Without
	Paralleling kit for synchronising	Without
	Installation and Commissioning	Yes
CONSTRUCTIONAL	Minimum thickness of M.S.Sheet Enclosure duly painted (mm)	1.0
	Type of Battery	SMF-VRLA conforming to JISC:8702(Pt.I,II&III)
FUNCTIONAL	Maximum overshoot and Under shoot of output rated voltage	4
	Voltage Regulation from no load to full load (%)	< / = 3%
	20% Overload limit for minimum 10 minutes	No, only for 5 Minutes
	Overall Efficiency (%)	>/=92%
	Total Harmonic Distortion(THD) (%)	Maximum 3%
	50% Overload limit for minimum 1 minutes	No, only for 3 seconds
PROTECTION	Protection for under voltage at battery terminal at 10.5V per 12 V battery.	Yes
	Protection of Over voltage,Short Circuit & over load at UPS output terminal	Yes
METERING AND INDICATIONS	Digital Metering in UPS for AC Input Voltage,Output AC Voltage,Current,Frequency,Battery Voltage and Current	Yes
	Indicators for mains presence,Battery charging and discharging,Output Over Load, Low Battery	

	Voltage	Yes
REPORTS AND CERTIFICATION	Damp Heat : in accordance with IS:9000(part 5/sec.2)1981 at Temperature of 40 degree C,two cycles of (12+12) hours each 2007)	Yes
	Dry Heat Test : in accordance with IS:9000 (part 3/sec.5)1977 (reaffirmed 2007) at 55 degree C for 16 hrs	Yes
	Cold Test : in accordance with IS:9000 (Part 2/Sec.4)1977 (Reaffirmed 2007) at -10 degree C for 4 hrs.	Yes
	Availability of the Type Test Report from Central Govt. /NABL/ILAC Accredited lab covering all technical requirements.	Yes
	Type Test Certificate No.	38935-D
	Type Test Certificate date	27.02.2014
	Name of Lab	NTH (NR)
	Address of Lab	Ghaziabad, U.P.
	As per Meity (Government of India) guidelines UPS shall have valid BIS CRS certifications as applicable	Not applicable presently

Product Specification for Polycom RPCS 1800 (25 ports@1080p30) with DMA, RPRM, RPAD and 5 years support

Specification	Sub-Spec	Value
	Type of MCU capable of delivering the video bridging performance as defined in the specifications	Hardware based MCU
	Type of Video Conferencing System	All in one MCU based
	Number of ports on IP in all in one MCU (N)	25
	Resolution	1080p, 30 fps
	Minimum Bandwidth Required for Specified video quality at MCU End (Mbps)	1024
	Minimum Bandwidth Required for Specified video quality at End point/far-site end (Mbps)	1024
	All components of the MCU solution, management sw & desktop client sw should be from the same OEM, Servers can be from third party	Yes
	MCU should support audio ports on IP	Yes
	MCU is IP based and Availability of Network management systems	Internal
	Max Number of registered End Point on an external /internal (Internet/Intranet) server	100
	Max Number of registered Desktop Clients an external /internal (Internet/Intranet) server	100
	Max Number of registered Mobile Clients an external /internal (Internet/Intranet) server	100
	Max Number of registered External Users an external /internal (Internet/Intranet) server	100
	Dual Video Feature to be available in Desktop	Yes
	MCU must support Audio algorithms : (G Dot 711, G Dot 722, G Dot 729 or equivalent or better wideband audio coding support)	Yes
	MCU must support Telnet /USB /RJ45 /ssh	Yes
	Video coding support Protocol	H.263,H.264AVC,H.264SVC,H.264 High Profile
	MCU must support control of a conference like adding participants, removing participants, muting participants video and/ or audio, lock a conference	Yes
	MCU support Far End Camera Control, in voice activated and continuous presence modes	Yes
	MCU support sending/receiving multiple streams of video and presentation content without losing MCU port capacity	Yes
	MCU must support layout choices of different layouts	Yes
	MCU configurable to adapt the continuous presence screen layouts to accommodate newly added or dropped participants from the conference, up to 16 participants automatically	Yes

Specification

MCU must provide standards based method of compensating and correcting for packet loss media streams loss	Yes
MCU must provide a complete 'conference control' interface browser to support all 'in call' management functions with add and drop' manipulation of parties in the call	Yes
MCU must support a configurable text overlay function, where in the Name, Site Identifier or terminal info is displayable	Yes
MCU solution support maximum bandwidth control per endpoint or per groups of endpoints	Yes
MCU solution support distributed architecture	Yes
MCU solution must support real time monitoring	Yes
Scheduling support through outlook integration	Yes
The solution should allow registration of users, endpoints, their authentication and providing each a unique ID and presence status for simplified dialing	Yes
MCU solution support Microsoft Outlook/Google etc scheduling with email notifications to individual participants	Yes
MCU solution must support personal address book	Yes
The conference scheduling application must support Dial-in or Dial-out to terminals	Yes
The conference MCU solution must support Direct Inward Dial to scheduled meetings	Yes
The network management software of the MCU/bridge must provide CDR data and view of current calls It allows to view all components of the solution and allow them to be maintained and upgrade centrally	Yes
MCU management software is capable to send e-mail notification to all participants using Microsoft outlook / Google etc plug in	Yes
Number of Management Software Licence	25
Both the MCU management software should be installed on server/appliances	Yes
MCU support Desktop Client Resolution from day one	1080p @ 30fps
Video and Content simultaneously both feature to be available in desktop	Yes
Number of multiple conferences/Sessions/ meetings with total number of participants con- currently from day 1	20
MCU is with redundant power supply in same chassis/ Server	No
The desktop Client must be downloadable from central server or available on CD/USB	Yes
The desktop client is capable to display the presentation/ data sharing, shared by remote sites	Yes
The desktop client is capable to share presentations, desktop display or documents/application sharing to the participants	Yes
It must support AES 128 bit encryption	Yes
Media Relay Unit/Firewall and Nat firewall unit to be linked with MCU in order to make it available to all Codecs/endpoints	Yes
The desktop client is capable to run on latest Windows/Mac/Linux platforms along with mobile devices of IOS and Android	Yes
Mangement system (Gatekeeper and Scheduler) - Concurrent ports and registration for Admin User and Authentication	Yes
MCU should support IP connectivity for streaming and recording unit	Yes
All equipment are in compliance with the requirements of ITU-T Standard related to Video Conferencing	Yes
System to be IPv6 ready from day one	Yes
System uses standards based protocols and the offered system is interoperable with any existing H-323 AVC based video Conferencing MCU on all ports All H/W and S/W required to make it interoperable on port basis is included in the scope of supply	Yes
System is also tropicalized and report available from ILAC/NABL/Govt Lab with all add on including Environmental Sequence	No

(a) Dry Heat- For 16 hrs at 55 deg C as per IS:9000/pt-3/sec-5/1977(b) Cold-For 4 hrs at 0 deg C as per IS:9000/pt-2/sec-4/1977 (c) Damp Heat- For 2 Cycles of 24 h each at 40 deg C & 95% RH as per IS:9000/pt-5/sec-1/1991 (All Reaffirmed 2007)	No
After each environmental test and a recovery period of two hours, the video conferencing system has been checked for complete functional parameters, and the results found satisfactory	No
Type Test Report from ILAC/NABL/Govt lab confirming conformance to above technical specifications - to be made available to buyer	No
BIS Registration under CRS of Meity	NA
If Yes, Unique Registration Number issued by BIS and its Validity	-
UL/CE certification	Yes
If Yes, UL/CE certificate Number (Corresponding UL/CE Certificate to be furnished when demanded by the buyer)	U8160954014525
Minimum Operating temperature (Degree C)	10
Maximum Operating temperature (Degree C)	35
Mnimum Operating humidity (%Rh)	20
Maximum Operating humidity (%Rh)	90
Free installation and commissioning	Yes
On Site OEM Warranty (Year)	5

Product Specification for Polycom Medialign Express 55 with OEM Integrated Display and 5 years support

Specification	Sub-Spec	Value
Integrated Display	Type of Display Integration	OEM Integrated
	Number of Display	Single
	Type of Display	LED Backlit LCD
	Display Size-Diagonal (Inch)	55
	Display Resolution	1080p
	Mounting Kit	Wall Mount
	Does it require mandatory registration with MCU	NA
	Type of End Point	Point to Point upgradable
	Video Conferencing System Resolution	1080p, 60 fps
	Minimum Bandwidth Required for Specified video quality at End point/far-site end (Kbps)	2048
	Type of Camera	PTZ
	Camera Positioning System	Preset
	Type of sensor	CMOS
	Camera Control (focusing, brightness, and white balance)	Automatic
	Multiple Camera System in case of Automatic Voice activated CameraTracking	NA
	Optical zoom	10X
	Digital zoom	NA
	Field of View at zoom (Degree)	65
	Pan range Minimum to Maximum (+/- Degree)	100,-100
	Tilt Range (Degree)	20,-30
	Cord and Connector to be supplied	Yes
System delivers Full HD video and voice & Full HD content for an overall Full HD experience at specified bandwidth	Yes	

End Point
Specification

Video coding support Protocol	H.263,H.264AVC,H.264SVC,H.264 High Profile
System has G-722/ G-711/ G-729 or equivalent nt wideband audio coding support	Yes
System supports sharing of video and graphics content during the video call	1080p, 30fps
It is possible to see both the near and far site on one Screen thus making most efficient use of a single display area	Yes
System is equipped with one or more Omni directional High Definition Microphones as required to cover large conference room	Yes
Number of microphone supported	4
Number of microphone supplied	1
Number of camera support from the same OEM	1
Number of Ethernet connection points for System supports for RJ-45, 10/100/1000 Mbps Base-T Ethernet connection	1
Wi Fi Connectivity	No
If Yes, Type of Wi Fi Connectivity	NA
System supports AES encryption video calls; System has Encryption On and Off capability	Yes
Video Codec shall support 16:9 format	Yes
Power supply: 230 + or - 10% volts, 50 Hz	Yes
Shall come with easy to use infra-red hand held remote control / Touch Panel with operating distance	Yes
All equipment are in compliance with the requirements of ITU-T (SIP Protocol & H Dot 323) Standard related to Video Conferencing	Yes
System to be IPv6 ready from day one	Yes
System uses standards based protocols & the offered system is inter operable with any existing H-323 AVC/SVC based VC equipment in a P to P call on VC end point; All H/W and S/W required to make it interoperable is included in the scope of supply	Yes
Number of Input DVI Ports	0
Number of Input HDMI or euivalent Ports	2
Number of Input USB Ports	2
Number of Output DVI Port	0
Number of Output HDMI or euivalent Port	2
Number of output USB Port	0
Calendering Feature	Yes
Recording @1080p on the end point	No
System supplied complete with the following components from the same OEM (a) Codec (b) Camera (c) At least one Microphones with suitable connectivity (d) Remote Control/Touch Panel (e) Data sharing capability using H/W or S/W (f) Necessary Cables	Yes
Type of Microphone	Omni Directional
System is also tropicalized and report available from ILAC/NABL/Govt Lab with all add on including Environmental Sequence	No
(a) Dry Heat- For 16 hrs at 55 deg C as per IS:9000/pt-3/sec-5/1977(b) Cold-For 4 hrs at 0 deg C as per IS:9000/pt-2/sec-4/1977 (c) Damp Heat- For 2 Cycles of 24 h each at 40 deg C & 95% RH as per IS:9000/pt-5/sec-1/1991 (All Reaffirmed 2007)	No
After each environmental test and a recovery period of two hours, the video conferencing system has been checked for complete functional parameters, and the results found satisfactory	No
Type Test Report from ILAC/NABL/Govt lab confirming conformance to above technical specifications - to be made available to buyer	No

BIS Registration under CRS of Meity	NA
BIS Registration Number and its Validity	-
UL/CE certification	Yes
If Yes, UL/CE certificate Number (Corresponding UL/CE Certificate to be furnished when demanded by the buyer)	U8160654014508
Minimum Operating temperature (Degree C)	0
Maximum Operating Temperature (Degree C)	40
Minimum Operating humidity (%RH)	15
Maximum Operating humidity (%RH)	80
Free installation and commissioning	Yes
On Site OEM Warranty (Year)	5

Product Specification for ONLINE UPS

Specification	Sub-Spec	Value
GENERIC	Rating in KVA (KVA)	1.0 KVA
	Technology	IGBT-PWM without inbuilt isolation transformer
	Input Power	single phase 160V - 260V sinewave,50Hz
	Output power	Single phase 230V +/-1% sinewave 50 Hz
	Backup time (Minutes)	60
	Minimum VAH (VAH)	1840
	Warranty for UPS (Years)	5
	Movable trolley for Batteries	Without trolley but with rack
	Warranty for battery	2
	Degree of Protection	IP20
	Cabling 5 meters for input and out put	Without
	Paralleling kit for synchronising	Without
Installation and Commissioning	Yes	
CONSTRUCTIONAL	Minimum thickness of M.S.Sheet Enclosure duly painted (mm)	1.0
	Type of Battery	SMF-VRLA conforming to JISC:8702(Pt.I,II&III)
FUNCTIONAL	Maximum overshoot and Under shoot of output rated voltage	4
	Voltage Regulation from no load to full load (%)	< / = 3%
	20% Overload limit for minimum 10 minutes	No, only for 5 Minutes
	Overall Efficiency (%)	>/=92%
	Total Harmonic Distortion(THD) (%)	Maximum 3%
	50% Overload limit for minimum 1 minutes	No, only for 3 seconds
PROTECTION	Protection for under voltage at battery terminal at 10.5V per 12 V battery.	Yes
	Protection of Over voltage,Short Circuit & over load at UPS output terminal	Yes
METERING AND INDICATIONS	Digital Metering in UPS for AC Input Voltage,Output AC Voltage,Current,Frequency,Battery Voltage and Current	Yes
	Indicators for mains presence,Battery charging and discharging,Output Over Load, Low Battery	

	Voltage	Yes
REPORTS AND CERTIFICATION	Damp Heat : in accordance with IS:9000(part 5/sec.2)1981 at Temperature of 40 degree C,two cycles of (12+12) hours each 2007)	Yes
	Dry Heat Test : in accordance with IS:9000 (part 3/sec.5)1977 (reaffirmed 2007) at 55 degree C for 16 hrs	Yes
	Cold Test : in accordance with IS:9000 (Part 2/Sec.4)1977 (Reaffirmed 2007) at -10 degree C for 4 hrs.	Yes
	Availability of the Type Test Report from Central Govt. /NABL/ILAC Accredited lab covering all technical requirements.	Yes
	Type Test Certificate No.	38935-A
	Type Test Certificate date	27.02.2014
	Name of Lab	NTH (NR)
	Address of Lab	Ghaziabad, U.P.
	As per Meity (Government of India) guidelines UPS shall have valid BIS CRS certifications as applicable	Yes

Product Specification for Polycom RealPresence Group 500 with EED-II, 1+ 5 Multiparty and 5 Years Support

Specification	Sub-Spec	Value
	Type of End Point	1+5 Multiparty Full HD
	Does it require mandatory registration with MCU	NA
	Video Conferencing System Resolution	1080p, 60 fps
	Minimum Bandwidth Required for Specified video quality at End point/far-site end (Kbps)	2048
	Type of Camera	PTZ
	Camera Positioning System	Automatic Voice Activated
	Type of sensor	CMOS
	Camera Control (focusing, brightness, and white balance)	Automatic
	Multiple Camera System in case of Automatic Voice activated CameraTracking	Dual
	Optical zoom	10X
	Digital zoom	NA
	Field of View at zoom (Degree)	65
	Pan range Minimum to Maximum (+/- Degree)	100,-100
	Tilt Range (Degree)	20,-30
	Cord and Connector to be supplied	Yes
	System delivers Full HD video and voice & Full HD content for an overall Full HD experience at specified bandwidth	Yes
	Video coding support Protocol	H.263,H.264AVC,H.264SVC,H.264 High Profile
	System has G-722/ G-711/ G-729 or equivalent nt wideband audio coding support	Yes
	System supports sharing of video and graphics content during the video call	1080p, 30fps
	It is possible to see both the near and far site on one Screen thus making most efficient use of a single display area	Yes
	System is equipped with one or more Omni directional High Definition Microphones as required to cover large conference room	Yes
	Number of microphone supported	4
	Number of microphone supplied	1

Specification

Number of camera support from the same OEM	2
Number of Ethernet connection points for System supports for RJ-45, 10/100/1000 Mbps Base-T Ethernet connection	1
Wi Fi Connectivity	No
If Yes, Type of Wi Fi Connectivity	NA
System supports AES encryption video calls; System has Encryption On and Off capability	Yes
Video Codec shall support 16:9 format	Yes
Power supply: 230 + or - 10% volts, 50 Hz	Yes
Shall come with easy to use infra-red hand held remote control / Touch Panel with operating distance	Yes
All equipment are in compliance with the requirements of ITU-T (SIP Protocol & H Dot 323) Standard related to Video Conferencing	Yes
System to be IPv6 ready from day one	Yes
System uses standards based protocols & the offered system is inter operable with any existing H-323 AVC/SVC based VC equipment in a P to P call on VC end point; All H/W and S/W required to make it interoperable is included in the scope of supply	Yes
Number of Input DVI Ports	0
Number of Input HDMI or equivalent Ports	2
Number of Input USB Ports	2
Number of Output DVI Port	0
Number of Output HDMI or equivalent Port	2
Number of output USB Port	0
Calendering Feature	Yes
Recording @1080p on the end point	No
System supplied complete with the following components from the same OEM (a) Codec (b) Camera (c) At least one Microphones with suitable connectivity (d) Remote Control/Touch Panel (e) Data sharing capability using H/W or S/W (f) Necessary Cables	Yes
Type of Microphone	Omni Directional
System is also tropicalized and report available from ILAC/NABL/Govt Lab with all add on including Environmental Sequence	No
(a) Dry Heat- For 16 hrs at 55 deg C as per IS:9000/pt-3/sec-5/1977(b) Cold-For 4 hrs at 0 deg C as per IS:9000/pt-2/sec-4/1977 (c) Damp Heat- For 2 Cycles of 24 h each at 40 deg C & 95% RH as per IS:9000/pt-5/sec-1/1991 (All Reaffirmed 2007)	No
After each environmental test and a recovery period of two hours, the video conferencing system has been checked for complete functional parameters, and the results found satisfactory	No
Type Test Report from ILAC/NABL/Govt lab confirming conformance to above technical specifications - to be made available to buyer	No
BIS Registration under CRS of Meity	NA
BIS Registration Number and its Validity	-
UL/CE certification	Yes
If Yes, UL/CE certificate Number (Corresponding UL/CE Certificate to be furnished when demanded by the buyer)	U8160654014508
Minimum Operating temperature (Degree C)	0
Maximum Operating Temperature (Degree C)	40
Minimum Operating humidity (%RH)	15
Maximum Operating humidity (%RH)	80
Free installation and commissioning	Yes

On Site OEM Warranty (Year)

5

Product Specification for 43" , PROFESSIONAL SMART LED UHD DISPLAY

Specification	Sub-Spec	Value
Specifications	Type	LED Backlit LCD
	Screen Size (Inches)	43
	Resolution (Pixels)	(3840x2160) UHD
	Category	Smart
	Operating System in case of Smart TV	Web OS
	Static contrast Ratio	1200 : 1
	Typical Brightness	400 - 500
	Screen Mirroring	Yes
	Mount Type	Both table and wall mount
	Inbuilt Speakers	Yes
	If Yes, Wattage of Speakers	10W x 2
	Sub Woofers	No
	Power Consumption (Watts)	92.6
Ports & Connectivity	Number of HDMI Ports	3
	Number of USB Ports	1
	Number of VGA Ports	0
	Number of Ethernet Ports	1
	Built-in Wi-fi	Yes
	Wi-fi Direct	Yes
Input	Composite Input	Yes
	Component Input	Yes
	RF Input	Yes
Accessories	Built-in set-top Box	No
	Details of accessories (included in the scope of supply)	Remote Control,Connecting Cable,Batteries
Certification	BIS Registration as per CRS of Meity	Yes
	BIS Registration Number	R - 75000086
	Energy Star Rating in line with the Government of India Notification number S O 1896(E) and S O 1897(E)	NA
Generic	Minimum Operating Temperature (Degree C)	0
	Maximum Operating Temperature (Degree C)	40
	Minimum Operating Humidity (%RH)	10
	Maximum Operating Humidity (%RH)	80
	Dimensions (Length x Breadth x Depth) (mm x mm x mm)	977 X 629 X 216
	Weight (Kg)	8.4
Warranty	Warranty(Years)	5

Product Specification for Polycom RealPresence Group 310 with EagleEye Producer and 5 Years Support

Specification	Sub-Spec	Value
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Specification

Type of End Point	Point to Point, non upgradable
Does it require mandatory registration with MCU	NA
Video Conferencing System Resolution	1080p, 60 fps
Minimum Bandwidth Required for Specified video quality at End point/far-site end (Kbps)	2048
Type of Camera	PTZ
Camera Positioning System	Face Detection
Type of sensor	CMOS
Camera Control (focusing, brightness, and white balance)	Automatic
Multiple Camera System in case of Automatic Voice activated CameraTracking	Single
Optical zoom	10X
Digital zoom	NA
Field of View at zoom (Degree)	65
Pan range Minimum to Maximum (+/- Degree)	100,-100
Tilt Range (Degree)	20,-30
Cord and Connector to be supplied	Yes
System delivers Full HD video and voice & Full HD content for an overall Full HD experience at specified bandwidth	Yes
Video coding support Protocol	H.263,H.264AVC,H.264SVC,H.264 High Profile
System has G-722/ G-711/ G-729 or equivalent nt wideband audio coding support	Yes
System supports sharing of video and graphics content during the video call	1080p, 30fps
It is possible to see both the near and far site on one Screen thus making most efficient use of a single display area	Yes
System is equipped with one or more Omni directional High Definition Microphones as required to cover large conference room	Yes
Number of microphone supported	2
Number of microphone supplied	1
Number of camera support from the same OEM	1
Number of Ethernet connection points for System supports for RJ-45, 10/100/1000 Mbps Base-T Ethernet connection	1
Wi Fi Connectivity	No
If Yes, Type of Wi Fi Connectivity	NA
System supports AES encryption video calls; System has Encryption On and Off capability	Yes
Video Codec shall support 16:9 format	Yes
Power supply: 230 + or - 10% volts, 50 Hz	Yes
Shall come with easy to use infra-red hand held remote control / Touch Panel with operating distance	Yes
All equipment are in compliance with the requirements of ITU-T (SIP Protocol & H Dot 323) Standard related to Video Conferencing	Yes
System to be IPv6 ready from day one	Yes
System uses standards based protocols & the offered system is inter operable with any existing H-323 AVC/SVC based VC equipment in a P to P call on VC end point; All H/W and S/W required to make it interoperable is included in the scope of supply	Yes
Number of Input DVI Ports	0
Number of Input HDMI or equivalent Ports	2

Number of Input USB Ports	2
Number of Output DVI Port	0
Number of Output HDMI or equivalent Port	1
Number of output USB Port	0
Calendering Feature	Yes
Recording @ 1080p on the end point	No
System supplied complete with the following components from the same OEM (a) Codec (b) Camera (c) At least one Microphones with suitable connectivity (d) Remote Control/Touch Panel (e) Data sharing capability using H/W or S/W (f) Necessary Cables	Yes
Type of Microphone	Omni Directional
System is also tropicalized and report available from ILAC/NABL/Govt Lab with all add on including Environmental Sequence	No
(a) Dry Heat- For 16 hrs at 55 deg C as per IS:9000/pt-3/sec-5/1977(b) Cold-For 4 hrs at 0 deg C as per IS:9000/pt-2/sec-4/1977 (c) Damp Heat- For 2 Cycles of 24 h each at 40 deg C & 95% RH as per IS:9000/pt-5/sec-1/1991 (All Reaffirmed 2007)	No
After each environmental test and a recovery period of two hours, the video conferencing system has been checked for complete functional parameters, and the results found satisfactory	No
Type Test Report from ILAC/NABL/Govt lab confirming conformance to above technical specifications - to be made available to buyer	No
BIS Registration under CRS of Meity	NA
BIS Registration Number and its Validity	-
UL/CE certification	Yes
If Yes, UL/CE certificate Number (Corresponding UL/CE Certificate to be furnished when demanded by the buyer)	U8160654014508
Minimum Operating temperature (Degree C)	0
Maximum Operating Temperature (Degree C)	40
Minimum Operating humidity (%RH)	15
Maximum Operating humidity (%RH)	80
Free installation and commissioning	Yes
On Site OEM Warranty (Year)	5

Product Specification for HARMAN Media Suite with 6 Recording & 3 Live Streaming

Specification	Sub-Spec	Value
Specification	Supported live-streaming formats	Microsoft Windows Media
	Number of Concurrent Streaming Viewers	100
	Number of Simultaneous Output Stream	1
	Recording format	MP 4
	Supported on-demand formats	Microsoft Windows Media
	Ethernet port	10/100/1000 Mbps
	Available hard disk space (GB)	1000
	Number of Concurrent Recording Sessions At 1080p, 30fps	5
	Number of Concurrent Recording Sessions At 1080p, 60 fps	0
	Duration of Recording (Hours)	200
	BIS Registration under CRS of Meity	Yes
	If yes, BIS Registration Number and its validity	R-41019143

UL/CE certification	Yes
If Yes, UL/CE certificate Number (Corresponding UL/CE Certificate to be furnished when demanded by the buyer)	SE-86716A1
Availability of test reports to prove conformity to the specifications (Furnished when demanded by buyer)	No
Minimum Operating temperature (Degree C)	0
Maximum Operating temperature (Degree C)	40
Minimum Operating humidity (%RH)	10
Maximum Operating humidity (%RH)	90
Free Installation and commissioning	Yes
On Site OEM Warranty (Year)	5

Terms and Conditions

1. Special terms and conditions

1.1

Calculation of Minimum VAH based on Back up time

Minimum VAH requirements would be calculated on the basis of following:

(VAH Calculation: Battery Voltage x Battery Ah x No. of Batteries = VAH)

UPS Rating	15 Minutes	30 Minutes	60 Minutes	90 Minutes	120 Minutes	180 Minutes	240 Minutes
1 KVA	400 VAH	800 VAH	1600 VAH	2400 VAH	3200 VAH	4800 VAH	6400 VAH
2 KVA	800 VAH	1600 VAH	3200 VAH	4800 VAH	6400 VAH	9600 VAH	12800 VAH
3 KVA	1200 VAH	2400 VAH	4800 VAH	7200VAH	9600 VAH	14400 VAH	19200 VAH
5 KVA	2000 VAH	4000 VAH	8000 VAH	12000 VAH	16000 VAH	24000 VAH	32000 VAH
6 KVA	2400 VAH	4800 VAH	9600 VAH	14400 VAH	19200 VAH	28800 VAH	38400 VAH
7.5 KVA	3000 VAH	6000 VAH	12000 VAH	18000 VAH	24000 VAH	36000 VAH	48000 VAH
10 KVA	4000 VAH	8000 VAH	16000 VAH	24000 VAH	32000 VAH	48000 VAH	64000 VAH
15 KVA	6000 VAH	12000 VAH	24000 VAH	36000 VAH	48000 VAH	72000 VAH	96000 VAH
20 KVA	8000 VAH	16000 VAH	32000 VAH	48000 VAH	64000 VAH	96000 VAH	128000 VAH
30 KVA	12000 VAH	24000 VAH	48000 VAH	72000 VAH	96000 VAH	144000 VAH	192000 VAH
40 KVA	16000 VAH	32000 VAH	64000 VAH	96000 VAH	128000 VAH	192000 VAH	256000 VAH
60 KVA	24000 VAH	48000 VAH	96000 VAH	144000 VAH	192000 VAH	288000 VAH	384000 VAH
80 KVA	32000 VAH	64000 VAH	128000 VAH	192000 VAH	256000 VAH	384000 VAH	512000 VAH
100 KVA	40000 VAH	80000 VAH	160000 VAH	240000 VAH	320000 VAH	480000 VAH	640000 VAH

2. General Terms and Conditions

2.1 This Contract between the Seller and the Buyer, is for the supply of the Goods and/ or Services, detailed in the schedule above, in accordance with the General Terms and Conditions (GTC) as available on the GeM portal (unless otherwise superseded by Goods / Services specific Special Terms and Conditions (STC) and/ or BID/Reverse Auction Additional Terms and Conditions (ATC), as applicable

2.2 Terms of delivery: Free Delivery at Site including loading/unloading. In respect of items requiring installation and / or commissioning and other services in the scope of supply (as indicated in respective product category specification / STC / ATC), and the cost of the same is also included in the Contract price.

2.3 Delivery period: The Delivery Period/Time shall be essence of the Contract and delivery must be completed not later than such date(s). Any modification thereto shall be mutually agreed and incorporated in the Contract as per the provisions of the GTC.

2.4 Performance Security: If the Seller fails or neglects to observe or perform any of his obligations under the contract it shall be lawful for the Buyer to forfeit either in whole or in part, the Performance Security furnished by the Seller.

2.5 Taxes and Duties: Contract Prices are all inclusive i.e. including all taxes, duties, local levies / transportation / loading-unloading charges etc. Break up of GST shall be indicated by the Seller while raising invoice / bill on GeM. While submitting the bill / invoice Seller shall undertake that the Goods and Services Tax (GST) charged on this bill is not more than what is payable under the provision on the relevant Act or the Rules made there under and that the Goods on which GST has been charged have not been exempted under the GST Act or the Rules made there under and the charges on account of GST on these goods are correct under the provision of that Act or the rules made there under.

2.6 Octroi Duty and / or other local taxes: Contract Prices are all inclusive hence no reimbursement over and above the contract price(s) shall be allowed to seller towards payment of local taxes (such as levy of town duty, Octroi Duty, Terminal Tax and other levies of local bodies etc).

2.7 Limitation of Liability: The provisions of limitation of liability between Buyer and Seller as given in the GTC shall be applicable here.

2.8 Resolution of disputes: The provisions of DISPUTE RESOLUTION BETWEEN BUYER AND SELLER as given in the GTC shall be applicable here.

2.9 Liquidated Damages: If the Seller fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the contract, the Buyer will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 0.5% per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value without any controversy/dispute of any sort whatsoever. In case, Service Level Agreement (SLA) is applicable the same shall be applicable for the Contract.

2.10 Financial Certificate:

2.10.1 The expenditure involved for this purpose has received the Sanction of the competent financial authority.

2.10.2 The funds are available under the proper head in the sanction budget allotment for the concern financial year.

2.10.3 I have been fully authorized by the department to sign the supply order or incur the liability of the Goods being ordered.

2.11 The bidder should submit a self declaration to the effect in bidder's official letter head that their agency have not been black listed by any Agency whatsoever till date.

3. Additional Terms and conditions

3.1 Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

3.2 Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

3.3 Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

3.4 Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

3.5 ISO 9001: The bidder must have ISO 9001 certification.

3.6 IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

3.7 OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

3.8 Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 3 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG).Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

3.9 Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

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