

Bid Document

Bid Details	
Bid End Date/Time	03-11-2020 15:00:00
Bid Opening Date/Time	03-11-2020 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	65 (Days)
Ministry/State Name	Ministry Of Human Resource Development
Department Name	Department Of Higher Education
Organisation Name	Indian Institute Of Technology (iit)
Office Name	Indore
Total Quantity	148
Item Category	Switcher , media control systems or wireless presentation system , Layer 2 Access Switch
Bidder Turnover (Last 3 Years)	280 Lakh (s)
OEM Average Turnover (Last 3 Years)	2240 Lakh (s)
Experience Criteria	3 Year (s)
MSE Exemption for Years Of Experience and Turnover	Yes
Startup Exemption for Years Of Experience and Turnover	Yes
Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Past Performance	80 %
Bid to RA enabled	No
Primary product category	Switcher
Inspection Required	No

EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	2.50
EMD Amount	1411043

ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	5.00

Duration of ePBG required (Months).

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(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

Registrar IIT INDORE

Indore, Department of Higher Education, Indian Institute of Technology (IIT), Ministry of Human Resource Development (Registrar)

Splitting

Bid splitting not applied.

MSE Purchase Preference

MSE Purchase Preference	Yes
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1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

2. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product 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 OEM 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.

3. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 25% of total value.

4. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 80% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

Switcher (16 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)

TYPE	Type of Switcher	Fixed	Fixed
	Type of Switching	Matrix	Matrix
INPUT	Number of Inputs	8	More than 8.0 Or higher
	Type of Inputs	HDMI,HD Base T / Receiver Input,Mic in,Line in,USB	HDMI, HD Base T / Receiver Input, Mic in, Line in, USB
	Number of Composite Video Input	0	*
	Number of S Video Input	0	*
	Number of Component Video Input	0	*
	Number of VGA Input	0	*
	Number of HDMI Input	8	*
	Number of DVI-I Input	0	*
	Number of DI-D Input	0	*
	Number of Display Port Input	0	*
	Number of HD Base T / Receiver Input	4	*
	Number of Optical Fiber - Single Mode Input	0	*
	Number of Optical Fiber - Multi Mode Input	0	*
	Number of Serial Digital Interface Input	0	*
	Number of 3G Serial Digital Interface Input	0	*
	Number of HD Serial Digital Interface Input	0	*
	Number of Mic Input	8	*
	Number of Line Input	8	*
	Number of USB Input	4	*
	Number of Phantom Power Input	0	*
	Input Resolution	4K	4K Or higher
OUTPUT	Number of Outputs	8	8.0 - 128.0 Or higher
	Type of Outputs	HDMI,HD Base T / Receiver Input,Line in	HDMI, HD Base T / Receiver Input, Line in
	Number of Composite Video Output	0	*
	Number of S Video Output	0	*
	Number of Component Video Output	0	*
	Number of VGA Output	0	*
	Number of HDMI Output	6	*
	Number of DVI-I Output	0	*
	Number of DI-D Output	0	*
	Number of Display Port	0	*

	Output		
	Number of HD BASE T / Transmitter Output	2	*
	Number of Optical Fiber - Single Mode Output	0	*
	Number of Optical Fiber - Multi Mode Output	0	*
	Number of Serial Digital Interface Output	0	*
	Number of 3G Serial Digital Interface Output	0	*
	Number of 4G Serial Digital Interface Output	0	*
	Number of Line Output	2	*
	Number of USB Output	2	*
	Output Resolution	4K	4K Or higher
PERFORMANCE	Scaling Capability	No	*
	Data Rate (Gbps)	10.2	*
	Controllable via 3rd party devices	Yes	*
	if yes, Control Protocol	Ethernet,RS 232	*
	Single Slot False Faceplate for Switcher	No	*
	Audio Embedding	Yes	*
	Audio De-embedding	Yes	*
	Independent Audio and Video Switching	Yes	*
OPTIONS	Option for Built-in Control Processor	Yes	Yes
	If Yes, number of Serial Control Port available	7	*
	If yes, Baud Rate (bits per second)	115200	*
	If yes, number of USB Control Ports available	1	*
	If yes, number of Infra Red (IR) Control Ports available	6	*
	If yes, number of Relay Control Ports available	8	*
	If yes, Ethernet Control Ports available	2	*
	If yes, Ethernet Protocols	-	*
	If yes, Built-in Memory	123	*
	If yes, Expandable Memory	0	*
	Option for Built-in Amplifier	Yes	Yes
	If Yes, Number of Channels	2	*

	If yes, Wattage per Channel	50	*
	Impedance Matching (Ohm)	4	*
GENERAL	Standard Accessories to be Supplied	-	*
	Power Supply	Primary	*
	Dimensions (L x B x W) (cm x cm x cm)	-	*
	Weight	3.9	*
	Minimum Operating Temperature	0	*
	Maximum Operating Temperature	40	*
	Minimum Storage Temperature	-10	*
	Maximum Storage Temperature	70	*
	Operating Humidity (RH) (%)	10	*
	Certifications Available	UL,CE,FCC,RoHS	*
WARRANTY	On Site OEM Warranty	3	3

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Swapnil Sonp	453552,IIT Indore, Khandwa Road, Simrol, Indore	16	30

Switcher (16 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
TYPE	Type of Switcher	Fixed	Fixed
	Type of Switching	Matrix	Matrix
INPUT	Number of Inputs	4	More than 4.0 Or higher
	Type of Inputs	HDMI	HDMI
	Number of Composite Video Input	0	*
	Number of S Video Input	0	*
	Number of Component Video Input	0	*

	Number of VGA Input	0	*
	Number of HDMI Input	4	*
	Number of DVI-I Input	0	*
	Number of DI-D Input	0	*
	Number of Display Port Input	0	*
	Number of HD Base T / Receiver Input	0	*
	Number of Optical Fiber - Single Mode Input	0	*
	Number of Optical Fiber - Multi Mode Input	0	*
	Number of Serial Digital Interface Input	0	*
	Number of 3G Serial Digital Interface Input	0	*
	Number of HD Serial Digital Interface Input	0	*
	Number of Mic Input	0	*
	Number of Line Input	0	*
	Number of USB Input	0	*
	Number of Phantom Power Input	0	*
	Input Resolution	Full HD	Full HD, 2K, 4K Or higher
OUTPUT	Number of Outputs	4	4.0 - 128.0 Or higher
	Type of Outputs	HDMI	HDMI
	Number of Composite Video Output	0	*
	Number of S Video Output	0	*
	Number of Component Video Output	0	*
	Number of VGA Output	0	*
	Number of HDMI Output	4	*
	Number of DVI-I Output	0	*
	Number of DI-D Output	0	*
	Number of Display Port Output	0	*
	Number of HD BASE T / TransmitterOutput	0	*
	Number of Optical Fiber - Single Mode Output	0	*
	Number of Optical Fiber - Multi Mode Output	0	*
	Number of Serial Digital Interface Output	0	*
	Number of 3G Serial Digital Interface Output	0	*

	Number of 4G Serial Digital Interface Output	0	*
	Number of Line Output	0	*
	Number of USB Output	0	*
	Output Resolution	Full HD	Full HD, 2K, 4K Or higher
PERFORMANCE	Scaling Capability	Yes	*
	Data Rate (Gbps)	6.75	*
	Controllable via 3rd party devices	Yes	*
	if yes, Control Protocol	Ethernet,RS 232	*
	Single Slot False Faceplate for Switcher	No	*
	Audio Embedding	Yes	*
	Audio De-embedding	No	*
	Independent Audio and Video Switching	No	*
OPTIONS	Option for Built-in Control Processor	No	No
	If Yes, number of Serial Control Port available	1	*
	If yes, Baud Rate (bits per second)	115200	*
	If yes, number of USB Control Ports available	1	*
	If yes, number of Infra Red (IR) Control Ports available	1	*
	If yes, number of Relay Control Ports available	0	*
	If yes, Ethernet Control Ports available	1	*
	If yes, Ethernet Protocols	-	*
	If yes, Built-in Memory	0	*
	If yes, Expandable Memory	0	*
	Option for Built-in Amplifier	No	No
	If Yes, Number of Channels	0	*
	If yes, Wattage per Channel	0	*
	Impedance Matching (Ohm)	2	*
	GENERAL	Standard Accessories to be Supplied	-
Power Supply		Primary	*
Dimensions (L x B x W) (cm x cm x cm)		-	*
Weight		1.8	*

	Minimum Operating Temperature	0	*
	Maximum Operating Temperature	40	*
	Minimum Storage Temperature	-10	*
	Maximum Storage Temperature	70	*
	Operating Humidity (RH) (%)	10	*
	Certifications Available	UL,CE,FCC,RoHS	*
WARRANTY	On Site OEM Warranty	3	3

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Swapnil Sonp	453552,IIT Indore, Khandwa Road, Simrol, Indore	16	30

Media Control Systems Or Wireless Presentation System (16 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	Supported Operating Systems (PC)	Windows 8.1,Windows 10 Pro,Windows 10 Home,Mac OS,Linux	*
	Supported Operating System (Mobile)	Android,iOS	*
	Type of Video Outputs	HD	*
	Type of Audio Outputs	Analog	*
	Output Resolution (Pixel x Pixel)	720p	720p
	Frame Rate (fps)	60	60
	Maximum Number of Simultaneous sources on Screen	1	*
	Maximum Number of Simultaneous Connections with the system	5	*
	Wireless Standards	802.11 a/b/g/n	*
	Wireless Frequency (GHz)	Both 2.4 & 5	*

Data Transfer Rate (Mbps)	1000	More than 1000.0 Or higher
Wireless Range (Maximum) (meters)	60	60.0 - 999.0 Or higher
Number of VGA Port	0	*
Number of HDMI Port	0	*
Number of USB Port	2	*
RJ-45 Port	Yes	*
Reset button	Available	*
Audio Jack Socket	Yes	*
Medium of data transmission (From Computer/Laptop to system)	-	*
All Essential accessories to be supplied	Yes	*
Operating Temperature Range (Degree C)	-	*
Operating Humidity (% RH)	-	*
Power Requirements	-	*
Power Consumption in Operating mode (Watt) Max	-	*
Power Consumption in Standby mode (Watt) Max	-	*
Certifications Available	-	*
Dimensions (H x W x D) (mm x mm x mm)	-	*
Weight (Gms)	2100	*
On Site OEM Warranty (Years)	3	3

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Swapnil Sonp	453552,IIT Indore, Khandwa Road, Simrol, Indore	16	30

Media Control Systems Or Wireless Presentation System (16 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement
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			(Allowed Values)
Specification	Supported Operating Systems (PC)	Windows 8.1,Mac OS	*
	Supported Operating System (Mobile)	Android,iOS	*
	Type of Video Outputs	HD	*
	Type of Audio Outputs	Digital	*
	Output Resolution (Pixel x Pixel)	720p	720p
	Frame Rate (fps)	60	60
	Maximum Number of Simultaneous sources on Screen	1	*
	Maximum Number of Simultaneous Connections with the system	1	*
	Wireless Standards	802.11 a/b/g/n	*
	Wireless Frequency (GHz)	Both 2.4 & 5	*
	Data Transfer Rate (Mbps)	100	More than 100.0 Or higher
	Wireless Range (Maximum) (meters)	11.33	11.33 - 999.0 Or higher
	Wireless Security features	-	*
	Number of VGA Port	0	*
	Number of HDMI Port	0	*
	Number of USB Port	1	*
	RJ-45 Port	Yes	*
	Reset button	Available	*
	Audio Jack Socket	Yes	*
	Medium of data transmission (From Computer/Laptop to system)	-	*
	All Essential accessories to be supplied	Yes	*
	Operating Temperature Range (Degree C)	-	*
	Operating Humidity (% RH)	-	*
	Power Requirements	-	*
	Power Consumption in Operating mode (Watt) Max	-	*
	Power Consumption in Standby mode (Watt) Max	-	*
	Certifications Available	-	*
Dimensions (H x W x D)	-	*	

(mm x mm x mm)		
Weight (Gms)	1700	*
On Site OEM Warranty (Years)	1	1

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Swapnil Sonp	453552,IIT Indore, Khandwa Road, Simrol, Indore	16	30

Media Control Systems Or Wireless Presentation System (16 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	Supported Operating Systems (PC)	Windows 8.1,Windows 10 Pro,Windows 10 Home,Mac OS	*
	Supported Operating System (Mobile)	Android,iOS	*
	Type of Video Outputs	FHD	*
	Type of Audio Outputs	Analog,Digital	*
	Output Resolution (Pixel x Pixel)	1080p	1080p
	Frame Rate (fps)	60	60
	Maximum Number of Simultaneous sources on Screen	4	*
	Maximum Number of Simultaneous Connections with the system	254	*
	Wireless Standards	802.11 a/b/g/n	*
	Wireless Frequency (GHz)	2.4,5,Both 2.4 & 5	*
	Data Transfer Rate (Mbps)	1000	More than 1000.0 Or higher
	Wireless Range (Maximum) (meters)	60	60.0 - 999.0 Or higher
	Wireless Security features	-	*
	Number of VGA Port	1	*
	Number of HDMI Port	2	*

Number of USB Port	4	*
RJ-45 Port	Yes	*
Reset button	Available	*
Audio Jack Socket	Yes	*
Medium of data transmission (From Computer/Laptop to system)	-	*
All Essential accessories to be supplied	Yes	*
Operating Temperature Range (Degree C)	-	*
Operating Humidity (% RH)	-	*
Power Requirements	-	*
Power Consumption in Operating mode (Watt) Max	-	*
Power Consumption in Standby mode (Watt) Max	-	*
Certifications Available	-	*
Dimensions (H x W x D) (mm x mm x mm)	-	*
Weight (Gms)	500	*
On Site OEM Warranty (Years)	3	3

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Swapnil Sonp	453552,IIT Indore, Khandwa Road, Simrol, Indore	16	30

Media Control Systems Or Wireless Presentation System (16 pieces)

Technical Specifications

* [As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	Supported Operating Systems (PC)	Windows 8.1,Windows 10 Pro,Windows 10 Home,Mac OS	*
	Supported Operating System (Mobile)	iOS	*
	Type of Video Outputs	FHD	*

Type of Audio Outputs	Analog	*
Output Resolution (Pixel x Pixel)	1080p	1080p
Frame Rate (fps)	30	30
Maximum Number of Simultaneous sources on Screen	1	*
Maximum Number of Simultaneous Connections with the system	1	*
Wireless Standards	802.11 b/g/n	*
Wireless Frequency (GHz)	2.4	*
Data Transfer Rate (Mbps)	100	More than 100.0 Or higher
Wireless Range (Maximum) (meters)	11	11.0 - 999.0 Or higher
Wireless Security features	-	*
Number of VGA Port	0	*
Number of HDMI Port	2	*
Number of USB Port	3	*
RJ-45 Port	Yes	*
Reset button	Not-Available	*
Audio Jack Socket	Yes	*
Medium of data transmission (From Computer/Laptop to system)	-	*
All Essential accessories to be supplied	Yes	*
Operating Temperature Range (Degree C)	-	*
Operating Humidity (% RH)	-	*
Power Requirements	-	*
Power Consumption in Operating mode (Watt) Max	-	*
Power Consumption in Standby mode (Watt) Max	-	*
Certifications Available	-	*
Dimensions (H x W x D) (mm x mm x mm)	-	*
Weight (Gms)	1100	*
On Site OEM Warranty (Years)	3	3

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Swapnil Sonp	453552,IIT Indore, Khandwa Road, Simrol, Indore	16	30

Layer 2 Access Switch (16 pieces)**Technical Specifications*** [As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	Type of Switch	Managed	Managed
	Technology	PoE	PoE+
	Number of 1G Copper Ports	8	8
	Number of 10G Copper Ports	0	0
	No. of 1 G SFP Port (Uplink)	2	2
	No. of 10 G SFP+ Port (Uplink)	0	0
	Multi-Gigabit Support	No	No
	Redundant Power supply (from day one)	Not available	Not available
	Console Port	Available	*
	Switching Capacity -Non Blocking (Gbps)	20	*
	Throughput (MPPS)	14.88	*
	Operating System	available	*
	Dedicated Stacking Port/Slot (from day one)	Not available	*
	Stacking Bandwidth (Gbps)	0	*
	Basic Layer-3 Protocol	-	*
	Security Feature	-	*
	Management Protocol	-	*
	QoS	-	*
	Operating Temperature Range (Degree C)	-	*
	Operating Humidity (RH)(%)	-	*
IPv6 Ready from day one and dully certified	Yes	*	

PoE Power Budget (Watt)	62	*
on Site OEM Warranty	3	3

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Swapnil Sonp	453552,IIT Indore, Khandwa Road, Simrol, Indore	16	30

Switcher (4 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
TYPE	Type of Switcher	Fixed	Fixed
	Type of Switching	Basic	Basic
INPUT	Number of Inputs	8	More than 8.0 Or higher
	Type of Inputs	HDMI,Composite Video,Line in,3G Serial Digital Interface	Composite Video, HDMI, 3G Serial Digital Interface, Line in
	Number of Composite Video Input	2	*
	Number of S Video Input	0	*
	Number of Component Video Input	0	*
	Number of VGA Input	0	*
	Number of HDMI Input	2	*
	Number of DVI-I Input	0	*
	Number of DI-D Input	0	*
	Number of Display Port Input	0	*
	Number of HD Base T / Receiver Input	0	*
	Number of Optical Fiber - Single Mode Input	0	*
	Number of Optical Fiber - Multi Mode Input	0	*
	Number of Serial Digital Interface Input	0	*
	Number of 3G Serial Digital Interface Input	4	*
Number of HD Serial Digital Interface Input	0	*	

	Number of Mic Input	0	*
	Number of Line Input	1	*
	Number of USB Input	0	*
	Number of Phantom Power Input	0	*
	Input Resolution	Full HD	Full HD, 2K, 4K Or higher
OUTPUT	Number of Outputs	4	4.0 - 128.0 Or higher
	Type of Outputs	HDMI,Composite Video,Serial Digital Interface	Composite Video, HDMI, Serial Digital Interface
	Number of Composite Video Output	1	*
	Number of S Video Output	0	*
	Number of Component Video Output	0	*
	Number of VGA Output	0	*
	Number of HDMI Output	2	*
	Number of DVI-I Output	0	*
	Number of DI-D Output	0	*
	Number of Display Port Output	0	*
	Number of HD BASE T / TransmitterOutput	0	*
	Number of Optical Fiber - Single Mode Output	0	*
	Number of Optical Fiber - Multi Mode Output	0	*
	Number of Serial Digital Interface Output	1	*
	Number of 3G Serial Digital Interface Output	0	*
	Number of 4G Serial Digital Interface Output	0	*
	Number of Line Output	1	*
	Number of USB Output	0	*
		Output Resolution	Full HD
PERFORMANCE	Scaling Capability	No	*
	Data Rate (Gbps)	0.05	*
	Controllable via 3rd party devices	Yes	*
	if yes, Control Protocol	Ethernet	*
	Single Slot False Faceplate for Switcher	No	*
	Audio Embedding	Yes	*
	Audio De-embedding	No	*
	Independent Audio and Video Switching	No	*
OPTIONS	Option for Built-in	No	No

	Control Processor		
	If Yes, number of Serial Control Port available	0	*
	If yes, Baud Rate (bits per second)	0	*
	If yes, number of USB Control Ports available	0	*
	If yes, number of Infra Red (IR) Control Ports available	0	*
	If yes, number of Relay Control Ports available	0	*
	If yes, Ethernet Control Ports available	1	*
	If yes, Ethernet Protocols	-	*
	If yes, Built-in Memory	0	*
	If yes, Expandable Memory	64	*
	Option for Built-in Amplifier	No	No
	If Yes, Number of Channels	0	*
	If yes, Wattage per Channel	0	*
	Impedance Matching (Ohm)	2	*
GENERAL	Standard Accessories to be Supplied	-	*
	Power Supply	Primary	*
	Dimensions (L x B x W) (cm x cm x cm)	-	*
	Weight	2.1	*
	Minimum Operating Temperature	-1	*
	Maximum Operating Temperature	40	*
	Minimum Storage Temperature	0	*
	Maximum Storage Temperature	50	*
	Operating Humidity (RH) (%)	60	*
	Certifications Available	UL,RoHS	*
WARRANTY	On Site OEM Warranty	1	1

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Swapnil Sonp	453552,IIT Indore, Khandwa Road, Simrol, Indore	4	30

Media Control Systems Or Wireless Presentation System (16 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	Supported Operating Systems (PC)	Windows 8.1,Windows 10 Pro,Windows 10 Home,Mac OS,Linux	*
	Supported Operating System (Mobile)	Android,iOS	*
	Type of Video Outputs	4K	*
	Type of Audio Outputs	Analog,Digital	*
	Output Resolution (Pixel x Pixel)	2160p	2160p
	Frame Rate (fps)	60	60
	Maximum Number of Simultaneous sources on Screen	1	*
	Maximum Number of Simultaneous Connections with the system	1	*
	Wireless Standards	802.11 a/b/g/n	*
	Wireless Frequency (GHz)	2.4,5	*
	Data Transfer Rate (Mbps)	850	More than 850.0 Or higher
	Wireless Range (Maximum) (meters)	10	10.0 - 999.0 Or higher
	Number of VGA Port	0	*
	Number of HDMI Port	1	*
	Number of USB Port	1	*
	RJ-45 Port	Yes	*
	Reset button	Not-Available	*
	Audio Jack Socket	Yes	*
	Medium of data transmission (From Computer/Laptop to system)	-	*
	All Essential accessories to be supplied	Yes	*
Operating Temperature Range (Degree C)	-	*	
Operating Humidity (%)	-	*	

RH)		
Power Requirements	-	*
Power Consumption in Operating mode (Watt) Max	-	*
Power Consumption in Standby mode (Watt) Max	-	*
Certifications Available	-	*
Dimensions (H x W x D) (mm x mm x mm)	-	*
Weight (Gms)	600	*
On Site OEM Warranty (Years)	3	3

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Swapnil Sonp	453552,IIT Indore, Khandwa Road, Simrol, Indore	16	30

Media Control Systems Or Wireless Presentation System (16 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	Supported Operating Systems (PC)	Windows 8.1,Windows 10 Pro,Windows 10 Home,Mac OS,Linux	*
	Supported Operating System (Mobile)	Android,iOS	*
	Type of Video Outputs	4K	*
	Type of Audio Outputs	Analog,Digital	*
	Output Resolution (Pixel x Pixel)	2160p	2160p
	Frame Rate (fps)	60	60
	Maximum Number of Simultaneous sources on Screen	1	*
	Maximum Number of Simultaneous Connections with the system	1	*
	Wireless Standards	802.11 a/b/g/n	*
	Wireless Frequency	Both 2.4 & 5	*

(GHz)		
Data Transfer Rate (Mbps)	850	More than 850.0 Or higher
Wireless Range (Maximum) (meters)	10	10.0 - 999.0 Or higher
Number of VGA Port	0	*
Number of HDMI Port	1	*
Number of USB Port	2	*
RJ-45 Port	Yes	*
Reset button	Available	*
Audio Jack Socket	Yes	*
Medium of data transmission (From Computer/Laptop to system)	-	*
All Essential accessories to be supplied	Yes	*
Operating Temperature Range (Degree C)	-	*
Operating Humidity (% RH)	-	*
Power Requirements	-	*
Power Consumption in Operating mode (Watt) Max	-	*
Power Consumption in Standby mode (Watt) Max	-	*
Certifications Available	-	*
Dimensions (H x W x D) (mm x mm x mm)	-	*
Weight (Gms)	600	*
On Site OEM Warranty (Years)	3	3

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Swapnil Somp	453552,IIT Indore, Khandwa Road, Simrol, Indore	16	30

Bid Specific Additional Terms and Conditions

1. After award of contract - Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 15 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 7 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing- the delivery period shall be refixed without LD for the period of delay in approval of Drawing.

2. **Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.
3. **Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.
4. Bidders shall quote only those products in the bid which are not obsolete in the market and has at least 1 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.
5. Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.
6. Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.
7. Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.
8. Loading and Unloading at yard will be under the scope of the supplier.
9. Scope of supply includes Training: Number of employees to be trained 5 , Place for Training IIT INDORE and Duration of training 7 days.
10. The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price: All additional accessories .
- 11.1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.
12. **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.
13. Bidders can also submit the EMD with Account Payee Demand Draft in favour of Registrar IIT Indore payable at INDORE.
Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.
14. Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name Registrar IIT Indore Account No. 36948979864 IFSC Code SBIN0030524 Bank Name SBI Branch address SIMROL BRANCH.
Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.
15. Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of Registrar IIT Indore payable at INDORE. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.
16. Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name Registrar IIT Indore Account No. 36948979864 IFSC Code SBIN0030524 Bank Name SBI Branch address SIMROL BRANCH. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.
17. **NET WORTH:** Net Worth of the OEM should be positive as per the last audited financial statement.
18. 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)
19. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
20. ISO 9001: The bidder must have ISO 9001 certification.
21. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
22. To be eligible for award of contract, Bidder / OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid): MAF, ISO, BIS.
23. 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.
24. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product

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 OEM 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. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

25. 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.
26. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
27. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
28. Bidder / OEM has to give an undertaking that after expiry of warranty period, it will provide AMC Service for next 3 years for the offered products at the rate not more than 10 % of contract price per annum. Buyer reserves the right to enter into an AMC agreement (covering preventive maintenance and servicing)with the Successful Bidder / OEM after expiry of the Warranty period at rate as mentioned above and the payment for the AMC charges would be made Quarterly after rendering of the AMC Services of the relevant AMC period. Performance Security of the successful bidder shall be forfeited if it fails to accept the AMC contract when called upon by the buyer. The original Performance Security of contract will be returned only after submission and verification of AMC Performance Security for 2% of total AMC value valid up to AMC period plus 2 months (if there is no other claim). (Undertaking of acceptance to be uploaded with bid).
29. Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.
30. 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 5 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.
31. Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid
32. For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:
 - a. Purchase Order copy along with Invoice(s) with self-certification by the bidder that supplies against the invoices have been executed.
 - b. Execution certificate by client with order value.
 - c. Any other document in support of order execution like Third Party Inspection release note, etc.
33. The Bidder / OEM {themselves or through reseller(s)}, should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:
 - (i) Single order of at least 35% of estimated bid value; or
 - (ii) Two orders of at least 20% each of estimated bid value; or
 - (iii) Three orders of at least 15% each of estimated bid value.Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---