

Bid Document

Bid Details	
Bid End Date/Time	28-08-2019 15:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Chandigarh
Department Name	Education Department Chandigarh
Organisation Name	Punjab Engineering College (pec)
Office Name	Sector 12
Total Quantity	6154
Item Category	CAT 6 Cable for Indoor use , CAT 6 Information outlet , CAT 6 Patch Panel , Cat 6 Patch cord , Cat 6 Patch cord , Fibre Cable for Networking , insulated electrical conduits Pipe , insulated electrical conduits Pipe , Networking/Server Rack
Average Turnover (Last 3 Years)	2 Lakh (s)
Experience with Government Required	3 Year (s)
MSE Exemption For Years Of Experience And Turnover	Yes
Startup Exemption For Years Of Experience And Turnover	Yes
Bid to RA enabled	No

CAT 6 Cable For Indoor Use (4575 meter)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	Cate 6 cable conforming to ANSI/TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes	*
	Cable category: Category 6 Unshield	CAT6 U/UTP	CAT6 U/UTP

	ed/Unshielded twisted pair or Category 6 Foiled/Unshielded twisted pair or Category 6 Shielded /Foiled Twisted Pair		
	Cable colour	Grey	Grey
	Conductor diameter	0.57 mm (23 AWG)	0.57 mm (23 AWG)
	Conductor count (in Nos.,)	8	*
	Length of cable in a bundle (Mtrs)	305 mtrs.	305 mtrs.
CONSTRUCTIONAL	"CAT6 Cable can transmit data at 1000 Mbps (~1 Gigabit per second) with a frequency of 250 MHz and suitable for 10BASE-T, 100BASE-TX Fast Ethernet and 1000BASE-T / 1000BASE-TX (Gigabit Ethernet)."	Yes	*
	Maximum DC resistance - in Ohm/Km	Max. 100 Ohm/Km	*
	Conductor Materail	Bare Copper	*
	Conductor Insulation Material	Polyethylene	*
	Cable jacket material	Low Smoke zero halogen (LSZH)	Low Smoke zero halogen (LSZH)
	Conductor stranding	Solid	*
	Cable should have internal cross separator	Yes	*
	Storage temperature range	minus 20 degree C to plus 60 degree C	*
	Operating temperature range	minus 20 degree C to plus 60 degree C	*
	Each meter printed with sequential length counter of cable apart from marking requirement as per relevant specifications and certifications	Yes	*
CERTIFICATIONS	Category 6 cable shall have valid verified certificate from ERTL/ETL /Intertek/3P	Yes	*

/GHMT /Delta/UL as per CAT 6 standards ANSI//TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest		
If "Yes" Certificate Number - Must declare	-	*
UL Marking on Cable	Yes	Yes
Availability of complete and satisfactory type test Report from Central Government / NABL/ ILAC accredited laboratory to conformity of the Specification	Yes	*
Test report Number	-	*
Report date	-	*
Name and address of Lab	-	*
All the test reports and certificates shall furnish to the buyer/consignee on demand	Yes	*

* Bold specifications 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	Prabhsimran Singh Bindra	160012,Punjab Engineering College (Deemed to be University), Sector 12 Chandigarh	4575	20

CAT 6 Information Outlet (100 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	Cate 6 Information outlet with faceplate (Single/Dual/Quad) conforming to ANSI/TIA/EIA-568 C.2	Yes	*

	latest or ISO/IEC:11801 latest		
	Type of information outlet	U/UTP (Unshielded)	U/UTP (Unshielded)
	Connector type	RJ45	*
	No. of ports (RJ 45)	One port	One port
	Dust protection for Face Plate or Information Outlet	Yes	Yes
	Back Box (3x3 inches)	Yes	Yes
	Termination type	With tool	With tool
CONSTRUCTIONAL	Applications: 0BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T (IEEE802.3) , 100VG-AnyLAN (IEEE802.12), 250 MHz Broadband Video, Voice, T1, ISDN, 155/ 622 Mbps ATM , Power over Ethernet (POE, POE+, 4 PPOE)	Yes	*
	Plug insertion durability	≥ 750 mating cycles	*
CERTIFICATIONS	Category 6 information outlet shall have valid verified certificate in channel from ETL /3P /GHMT /Delta/UL/Intertek as per CAT 6 standards ANSI//TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes	*
	If "Yes" Certificate number must declare	-	*
	Availability of complete and satisfactory type test Report from Central Government / NABL/ ILAC accredited laboratory as per Governing Specification	Yes	*
	Test report number - Must declare	-	*
	Report date - Must declare	-	*
	Name and address of lab - Must declare	-	*
	All the test reports shall	Yes	*

furnish to the buyer/consignee on demand
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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Prabhsimran Singh Bindra	160012,Punjab Engineering College (Deemed to be University), Sector 12 Chandigarh	100	20

CAT 6 Patch Panel (10 pieces)

Technical Specifications

* [As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	CAT 6 patch Panel conforming to ANSI/TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes	*
	Patch panel suitability for (Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshileded twisted pair)	CAT 6 U/UTP	CAT 6 U/UTP
	Height of patch panel	1 U	1 U
	No. of ports (RJ 45)	24 Ports Loaded	24 Ports Loaded
	Cable Management (Rear side)	With out	With out
CONSTRUCTIONAL	Applications: 0BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T (IEEE802.3) , 100VG-AnyLAN (IEEE802.12), 250 MHz Broadband Video, Voice, T1, ISDN, 155/ 622 Mbps ATM , Power over Ethernet	Yes	*

	(POE, POE+, 4 PPOE)		
	Material of patch panel	Cold rolled steel	Cold rolled steel
	Modular plug fitting (RJ 45)	Individual ports for loaded	Individual ports for loaded
	Plug insertion durability	≥ 750 mating cycles"	*
	Holder for connector / module	Yes	*
	Dust protection for information outlet	Yes	Yes
CERTIFICATIONS	Category 6 patch panel / information outlet shall have valid verified certificate in channel from ETL /3P /GHMT /Delta/UL/Intertek as per CAT 6 standards ANSI//TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes	*
	If "Yes" Certificate Number - Must declare	-	*
	Availability of complete and satisfactory type test Report from Central Government / NABL/ ILAC accredited laboratory as per Governing Specification	Yes	*
	Test report number	-	*
	Report date	-	*
	Name and address of lab	-	*
	All the test reports shall furnish to the buyer/consignee on demand	Yes	*

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Prabhsimran Singh Bindra	160012,Punjab Engineering College (Deemed to be University), Sector 12 Chandigarh	10	20

Cat 6 Patch Cord (256 meter)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	Cate 6 patch cord conforming to ANSI/TIA/EIA-568 C.2 or ISO/IEC:11801 latest	Yes	*
	Patch cord type : Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshileded twisted pair	CAT6 U/UTP	CAT6 U/UTP
	Patch cord colour	Grey	Grey
	Conductor diameter	24 to 26 AWG	*
	Length of Patch cord (Mtrs)	1.0	1.0
CONSTRUCTIONAL	Applications: 0BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T (IEEE802.3) , 100VG-AnyLAN (IEEE802.12), 250 MHz Broadband Video, Voice, T1, ISDN, 155/ 622 Mbps ATM , Power over Ethernet (POE, POE+, 4 PPOE)	Yes	*
	Termination type / Connection type	Insulation Piercing Connection (IPC)	*
	Modular plug	RJ45	*
	Plug insertion durability	≥ 750 mating cycles"	*
	Conductor Materail	Stranded copper	*
	Conductor Insulation Material	Polyethelene	*
	Cable jacket material	Low Smoke zero halogen (LSZH)	Low Smoke zero halogen (LSZH)
	Storage temperature range	-20 deg.C to +60 deg.C	-20 deg.C to +60 deg.C
	Operating temperature range	-20 deg.C to +60 deg.C	-20 deg.C to +60 deg.C
CERTIFICATIONS	Category 6 patch cord	Yes	*

shall have valid verified certificate in channel from ETL /3P /GHMT /Delta/Intertek /UL as per CAT 6 standards ANSI//TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest		
If "Yes" Certificate number - Must declare	-	*
UL Marking on Cable	No	No
Availability of complete and satisfactory type test Report from Central Government / NABL/ ILAC accredited laboratory as per Governing Specification	Yes	*
Test report number	-	*
Report date	-	*
Name and address of lab	-	*
All the test reports shall furnish to the buyer/consignee on demand	Yes	*

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Prabhsimran Singh Bindra	160012,Punjab Engineering College (Deemed to be University), Sector 12 Chandigarh	256	20

Cat 6 Patch Cord (256 meter)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	Cate 6 patch cord conforming to ANSI/TIA/EIA-568 C.2 or	Yes	*

	ISO/IEC:11801 latest		
	Patch cord type : Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshielded twisted pair	CAT6 U/UTP	CAT6 U/UTP
	Patch cord colour	Yellow	Yellow
	Conductor diameter	24 to 26 AWG	*
	Length of Patch cord (Mtrs)	3.0	3.0
CONSTRUCTIONAL	Applications: 0BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T (IEEE802.3) , 100VG-AnyLAN (IEEE802.12), 250 MHz Broadband Video, Voice, T1, ISDN, 155/ 622 Mbps ATM , Power over Ethernet (POE, POE+, 4 PPOE)	Yes	*
	Termination type / Connection type	Insulation Displacement connection (IDC)	*
	Modular plug	RJ45	*
	Plug insertion durability	≥ 750 mating cycles"	*
	Conductor Materail	Stranded copper	*
	Conductor Insulation Material	Polyethelene	*
	Cable jacket material	Low Smoke zero halogen (LSZH)	Low Smoke zero halogen (LSZH)
	Storage temperature range	-20 deg.C to +60 deg.C	-20 deg.C to +60 deg.C
	Operating temperature range	-20 deg.C to +60 deg.C	-20 deg.C to +60 deg.C
CERTIFICATIONS	Category 6 patch cord shall have valid verified certificate in channel from ETL /3P /GHMT /Delta/Intertek /UL as per CAT 6 standards ANSI//TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes	*
	If "Yes" Certificate number - Must declare	-	*
	UL Marking on Cable	Yes	Yes

Availability of complete and satisfactory type test Report from Central Government / NABL/ ILAC accredited laboratory as per Governing Specification	Yes	*
Test report number	-	*
Report date	-	*
Name and address of lab	-	*
All the test reports shall furnish to the buyer/consignee on demand	Yes	*

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Prabhsimran Singh Bindra	160012,Punjab Engineering College (Deemed to be University), Sector 12 Chandigarh	256	20

Fibre Cable For Networking (90 meter)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	Fibre cable generally conforming to IEC 60793-1, IEC 60793-2, and to conform other normative specifications as specified in IEC:60793 Part 1 and Part 2	Yes	*
	Fibre count	6	6
	Jacket material	HDPE	HDPE
	Fibre type	Single mode OS1	Single mode OS1
	Nominal Cable weight Kg/Km - Must declare	-	*

	Operational temperature range	-20 deg C to +60 deg. C	-20 deg C to +60 deg. C
	Storage temperature range	-20 deg C to +60 deg. C	-20 deg C to +60 deg. C
CONSTRUCTIONAL	Type of tube / no. of tube / no. of core per tube	Unitube /1/6	Unitube /1/6
	Cable Armouring	Armoured with ECCS tape	Armoured with ECCS tape
	Each meter printed with sequential length counter of cable apart from marking requirement as per relevant specifications and certifications	Yes	*
CERTIFICATIONS	Availability of complete and satisfactory type test Report from Central Government / NABL/ ILAC accredited laboratory to conformity of the Specification	Yes	*
	Test report Number	-	*
	Report date	-	*
	Name and address of Lab	-	*
	All the test reports and certificates shall furnish to the buyer/consignee on demand	Yes	*

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Prabhsimran Singh Bindra	160012,Punjab Engineering College (Deemed to be University), Sector 12 Chandigarh	90	20

Insulated Electrical Conduits Pipe (433 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	Conformity to Indian Standard	IS:9537(Part-3) Latest	*
	Classification of Conduit	Medium Mechanical Stresses	*
CONSTRUCTIONAL	Material	-	*
	Nominal Size of the Conduit, (mm)	25	25, 32, 40, 50, 63 Or higher
	Length (Metres)	3	3, 4, 5, 6, 7, 8 Or higher
	Socket ended conduit (at one end)	Yes	Yes
CERTIFICATION	ISI Marked	Yes	Yes
	CM/L No	-	*
	Availability of Test Reports from Central Govt./State Govt./NABL/IL AC accredited Lab covering all the Declared Parameters as per IS Specification	-	*
	Test Report No and Date	-	*
	Name of the Lab	-	*
	Address of the Lab	-	*

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Prabhsimran Singh Bindra	160012,Punjab Engineering College (Deemed to be University), Sector 12 Chandigarh	433	20

Insulated Electrical Conduits Pipe (433 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	Conformity to Indian Standard	IS:9537(Part-3) Latest	*
	Classification of Conduit	Medium Mechanical Stresses	*
CONSTRUCTIONAL	Material	-	*
	Nominal Size of the Conduit, (mm)	32	32, 40, 50, 63 Or higher
	Length (Metres)	3	3, 4, 5, 6, 7, 8 Or higher
	Socket ended conduit (at one end)	No	Yes, No
CERTIFICATION	ISI Marked	No	Yes, No
	CM/L No	-	*
	Availability of Test Reports from Central Govt./State Govt./NABL/IL AC accredited Lab covering all the Declared Parameters as per IS Specification	-	*
	Test Report No and Date	-	*
	Name of the Lab	-	*
	Address of the Lab	-	*

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Prabhsimran Singh Bindra	160012,Punjab Engineering College (Deemed to be University), Sector 12 Chandigarh	433	20

Networking/Server Rack (1 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement
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			(Allowed Values)
Specifications	Type of Server Racks	Rack Enclosures	Rack Enclosures
	Size of Server Rack Enclosure	42U	42U
	Depth of the Rack (mm)	Upto 1000	*
	Mount Type	Free-Standing	*
	Front glass Door	Yes	*
	Type of glass used in front door	Transparent Toughened Glass	*
	Material used for rear door	SPCC Quality Cold Rolled Steel Metal	*
	Both rear and front doors with Perforation	No	*
	Side Panels With Key Locks and Slam Latch	Yes	*
	Secure Locks	Available	*
	Rear split door design	No	*
	Keyboard Tray Sliding and Rotary	Yes	*
	Shelf For CRT/TFT Display	Yes	*
	Cable channel in rear side for cable management	Yes	*
	Support cable entry from top or bottom	Yes	*
	Vertical & Horizontal managers	Yes	*
	Numbers of Rack trays	1	*
	Number of Fan For Heat dissipation (nos)	4	*
	Number of fan trays	1	*
	Heavy Duty Caster Wheels	Yes	*
	If yes, then Front Break Options	Available	*
Load Bearing Capacity (Kgs)	1000	*	
If Wall mount racks then ,Swing-Out Racks	Not Available	*	
Dust or water resistant	No	*	
PDU Power Strips	Available	*	

Weight (Kg)	150	*
Warranty (Years)	5	5

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Prabhsimran Singh Bindra	160012,Punjab Engineering College (Deemed to be University), Sector 12 Chandigarh	1	20

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Buyer Specific Additional Terms and Conditions

- Office of the Service Provider is required to be located at a place near to the consignee(user) for sake of better co-ordination , smooth services and other administrative factors. in support, service provider will give details of office address, landline number, Contact Person and his mobile number along with bid failing which there offer will not be considered.
- Special Terms and Conditions as defined by world bank at [click here](#) will also be applicable
- Scope of supply (Bid price to include all cost components) :** Supply Installation Testing and Commissioning of Goods
- Bidder/ Supplier/ Organization/ Proprietor/ ANY of the Director(s) shall not be banned or suspended or black listed by any Government / Public Sector Undertaking / Corporate organization or convicted in any Court of Law across India or declared Bankrupt or insolvent. A self declaration certificate must be uploaded in the GeM portal under Bidders Official Letter Head.
- Bidder shall submit the detailed BOM of the equipments offered duly verified and certified BY the respective OEM. The detailed BOM shall indicate quantities and price break up of various modules/sub modules/cards/Licenses required for each equipments.
- Experience Certificate from the concerned Govt. Department of the subject matter is required along with average turnover of last 3 Yrs BY authority prescribed BY GeM.

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

---Thank You---