



केन्द्रीय भेड़ व ऊन अनुसंधान संस्थान
अविकानगर (तहसील-मालपुरा, जिला-टोंक) बाया जयपुर राजस्थान (भारत) 304501

CENTRAL SHEEP & WOOL RESEARCH INSTITUTE
AVIKANAGAR (TEHSIL-MALPURA DISTT. TONK) VIA: JAIPUR RAJASTHAN (INDIA) 304501



F.No.1(647)SP/2016

Dated: 05-03-2016

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Guiding specification and other Technical details:-

SL No	Description	A/U	Qty	Rate
1	CAA-x322L-VL Power Cat 6A U/FTP CM 4 Pair Cable, 500m Reel, LSZH Sheath ó Violet, Category 6A UTP, 4 Pair with ETL test report (Min 500 Mhz) for channel. This system is compliant with the latest ISO/IEC 11801 A1.1 draft and ratified TIA/EIA 568-C.2 for the support of 10GBASE-T. Category 6A U/FTP each pair enclosed in laminated aluminum foil cables shall extend between the work area location and its associated telecommunications closet and consist of 4 pair, 23 AWG, LSZH cable jacket.	Roll	5	
2	PID-xx217 24 Port Power Cat 6A Shielded (Diecast Jacks) Patch Panel , 1U CAT6A Shielded Patch Panel (10G) loaded with individual Shielded Shutter Jack with rear cable manager. Shutter jack which protect from dust & contaminates. The shielded connector offers superior alien crosstalk suppression, excellent insertion loss, and provide enhanced electromagnetic interference (EMI)	Each	3	
3	KSJ-xxx62-04 DG+ Jack (Diecast)Cat6A 568A/B, Shtd- Black The shielded connector offers superior alien crosstalk suppression, excellent insertion loss, and provide enhanced electromagnetic interference (EMI)	Each	72	
4	WSY-xxx12-02 Synergy Wall Plate 1 Port - 86mmx86mm- White Single Gang square plate, 86mmx86mm, Write on labels in transparent plastic window ó supplied with plate, Plug in Icons ó Icon tree ó to be supplied with plate, Should be able to support variety of jacks ó UTP, STP, Fiber, Coax etc.	Each	72	
6	CAT 6A PCDXXXXXX Patch cord, 1 Mtr, Blue Category 6A Shielded Patch Cords (10G) , 4 pair 26 AWG stranded copper wire Pre-terminated with RJ45 plugs, Slim clear anti-snap slip on boots, Suitable for EIA 568A or 568B wiring, 10G Performance when installed as a complete Power Cat 6A Shielded System. RoHS Compliant	Each	72	

7	CAT 6A PCDXXXXXXX Patch cord, 2 Mtr, Blue Category 6A Shielded Patch Cords (10G) , 4 pair 26 AWG stranded copper wire Pre-terminated with RJ45 plugs, Slim clear anti-snap slip on boots, Suitable for EIA 568A or 568B wiring, 10G Performance when installed as a complete Power Cat 6A Shielded System. RoHS Compliant	Each	72	
1	Laying of Cable with supply ISI Conduit/Cashing	Mtr	2,500	
2	Mounting and Installation of I/O, Faceplate, Gang Box, Rack, Patch Panel, Switch, Numbering, Marking in Cable and Point in Patch Panel	Each	72	

Technical Compliance:

1	All CAT6A U/FTP Cable & component should be the same OEM. The OEM should be ISO 9001:2000 & ISO-14001. ETL Verified for minimum 500MHz (Certificate require).
2	Vendor should submit OEM authorization letters for all the products offered, documentary proof of partnership / support arrangements with the respective OEMs without which, the offers will not be evaluated further.
3	Company profile along with copies of registration certificate, sale tax registration, PAN card, Balance Sheet for the last three years.
4	Proof of experience in supply, installation, laying and configuration of network components in last three years (wired and wireless components) along with satisfactory certificate of services from the client.

<u>Sr. No.</u>	<u>Specifications</u>	<u>Complied (Yes/No)</u>	<u>Remarks (Specify make and model, if applicable)</u>
1	Category 6A U/FTP , 4 Pair Shielded cable Make-Molex/Panduit/Simon		
	Min. Required Specification		
1.1	Category 6A shielded Twisted Pair 4 pair cable shall be compliant with ANSI/TIA/EIA-568-C.2 for supporting 10G applications		
1.2	Conductor Size : 23 AWG		
1.3	Screen: Each pair enclosed in laminated Aluminum foil with drain wire		
1.4	Screen material: Laminated Aluminum		
1.5	Drain Wire material: tin-coated copper		
1.6	Sheath Type: Low Smoke Zero Halogen (LSZH)		
1.7	Pulling Force: 50 N/mm2 max		

1.8	Capacitance: 40 pF/m nom. @1 KHz		
1.9	DC Resistance: 72 Ω/Km max.		
1.10	Propagation Delay Skew: 45 nS/100 max @ 1-500 MHz		
1.11	Mean Impedance: 100Ω ± 6 @ 1-500 MHz		
1.12	Commercial Standards :ANSI/TIA/EIA-568-C.2 and ISO/IEC 11801 A1.1		
1.13	Should Have ETL verified to TIA/EIA-568-C.2 Category 6A standard (ETL certificate to be enclosed along with the bid)		
1.14	Transmission Properties and Electrical Specifications tested minimum upto 500 Mhz and verified by ETL		
1.15	Bidder to submit Cat 6A channel report verified by ETL		
2	Face Plate (Single , Dual and Quad)		
	Min. Required Specification		
2.1	Single Gang square plate, 86mmx86mm		
2.2	Write on labels in transparent plastic window ó supplied with plate		
2.3	Screw hole covers ó to be supplied with plate		
2.4	Plug in Icons ó Icon tree ó to be supplied with plate		
2.5	Should be able to support variety of jacks ó UTP, STP, Fiber, Coax etc.		
3	Shielded Cat 6A INFORMATION OUTLET		
	Min. Required Specification		
3.1	Category 6A, TIA568C.2 ó 500MHz		
3.2	Should have robust die cast zinc alloy connector body housing		
3.3	Should have shutter for 100% dust protection		
3.4	IDC posts should be pointed		
3.5	568A/B configuration		
3.6	Approved by ETL		
3.7	UL-1863		
3.8	Housing: Zinc alloy plated bright Ni/Cu		
3.9	Operating Life: Minimum 750 insertion cycles		
3.10	Contact Material: Copper alloy		
3.11	Contact Plating: 1.25 micrometers Au/Ni		
3.12	IDC connector housing : Polycarbonate, UL94V-0 rated or equivalent		
3.13	IDC contact material : Copper Alloy		
3.14	Operating Life: Minimum 20 Re-terminations		
3.15	IDC Contact Plating: Tin		
4	CAT6A 24 PORT SHIELDED PATCH PANEL		
	Min. Required Specification		
4.1	Be made of robust sheet metal.		
4.2	Have port identification numbers on the front of the panel.		

4.3	Should have self-adhesive, clear label holders (transparent plastic window type) and white designation labels with the panel, with optional color labels / icons.		
4.4	Each port / jack on the panel should be individually removable on field from the panel.		
4.5	Should have integrated rear cable management shelf.		
4.6	Should have shutter on the jack panel port		
4.7	Should have separate provision of grounding		
4.8	Specification of the jacks is same as above for individual I/Os		
5	MOUNTING CORDS ó Cat 6 A shielded		
	Min. Required Specification		
5.1	Should be 4 pair 26 AWG stranded copper wire		
5.2	Should have Slim clear anti-snap slip on boots		
5.3	Factory pre-terminated with shielded RJ45 plugs and should be strain relief, anti-snap type		
5.4	Screen material ó Aluminum/polyester shield with tinned copper drain wire		
5.5	Sheath: Low Smoke Zero Halogen (LS0H)		
5.6	Should give 10G Performance when installed as a complete Cat 6A Shielded System		
5.7	Operating life: Minimum 750 insertion cycles		
5.8	Contact material : 0.35mm thick copper		
5.9	Plug dimensions & tolerances compliant with FCC Part 68 and IEC 60603-7		
5.10	Operating temperature: -20 °C to + 60 °C		
5.11	Commercial Standards :ISO/IEC 11801 2nd Ed Amd 1 Class EA		
5.12	TIA-568-C.2 Cat 6A		
5.13	UL 1863; CSA C22.2		

Signature with seal of supplier
Name of Firm _____

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xbz | Hkh fu; e o | krki dk Hkyhkkfr v/; ; u dj fy; k gs rFkk eps @ ge i w k : i l s Lohdkj gs A

Terms and conditions:

1. F.O.R. Avikanagar
2. Payment on credit Bill basis through E-Payments
3. VAT/TIN No.
4. Validity 120 days
5. **Details of Bank Account for E- Payment**

- A. Name of applicant/firm/Contractor : -----
 B. Beneficiary Account No. : -----
 C. Branch Name : -----
 D. State : -----
 E. IFSC Code No. : -----

Signature with seal of supplier
 Name of Firm _____
 Full
 address _____
 Tel/Mobile No _____

Dates: / /

for the purpose of

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- 3& iLrko ea dlnh; @jkt; l jdkj }kjk vkofVr VDI jftLVs ku uEj PAN No. , oa mDr l keku ij fcdhdj , oa vU; dj tks Hkh ykxw gks dk Li"V mYys[k gkuh pfg; A l LFku }kjk fd l Hkh i xdkj dk C , oa D QeZ tkjh ugh fd; k tkoskA
- 4& l LFku }kjk , DI kbzt M; W/h dk Hkxrk ugh fd; k tkrk gA QeZ dh i kFku ij , DI kbzt M; W/h NW dk i xk.k i = mi yC/k djok; k tk l drk gA
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- 7& dks/s ku ea fd l i xdkj dh dfvA @ vkobjkbvA ugh gkuh pfg; } ; fn dfvA @ vkobjdfvA gsrh gA rks ml s l xdkj }kjk l R; kfir fd; k tkuk pfg; A vl R; kfir l dkkf/kr@vkobjkbvA vad@ jkf'k dks Lohdkj ugh fd; k tkoskA
- 8& कोटेशन के साथ अमानत राशि रुपये 6,000-00 मात्र डिमाण्ड ड्राफ्ट जो कि **ICAR UNIT CSWRI, Avikanagar** के नाम स्टेट बैंक ऑफ बीकानेर एण्ड जयपुर शाखा मालपुरा में देय हो अथवा नकद सलग्न होना चाहिये। साथ ही सफल कोटेशन प्रस्तुत कर्ता को नियमानुसार जमानत राशि जमा कराना होगा।
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- 10& Hkxrk gsrq fcy 3 i fr; ka ea i wZ i kflr j l hn ds l kFk iLrq djus ds mi jkUr mfpr l e; kof/k 30 fnol ds Hkhrj & Hkhrj **E- Payment** ds ek/; e l s fd; k tk; skA
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Signature with seal of supplier
 Name of Firm _____
 Full address _____
 Tel/Mobile No. _____

