

वाडिया हिमालय भूविज्ञान संस्थान

WADIA INSTITUTE OF HIMALAYAN GEOLOGY

(भारत सरकार के विज्ञान और प्रौद्योगिकी विभाग का एक स्वायत्तशासी संस्थान)

(An Autonomous Institution of Department of Science & Technology)

GOVERNMENT OF INDIA

33, जनरल महादेव सिंह मार्ग

33, GENERAL MAHADEO SINGH ROAD.

देहरादून – 248001 (उत्तराखंड) भारत DEHRA DUN - 248001 (INDIA)

फोन/Phone फैक्स/Fax : 0135-2525500, 2525501

ई मेल / E-Mail

: 0135-2625212, 2525200 : www.stores@wihg.res.in

वैब/Website: www.wihg.res.in

Speed post /By Hand

खोले जाने की अपेक्षित तिथि : 03.02.2021

DUE TO OPEN ON: 03.02.2021

Dated : 13-01-2021 दिनांक 13-01-2021

No : S-2/144-P(Wi-Fi Solution)/WIHG/2020-21/ 2/ सं0:एस-2/144-पी(वाई - फाई सोल्यूशन)/वा०हि०भूवि०स०/2020-21

विषय : निविदा के लिए आमंत्रण

Sub: INVITATION OF TENDER

To

प्रिय महोदय, Dear Sirs.

हम उल्लिखित व पृष्ठ के दूसरी ओर वर्णित नियम एवं शर्तों के अनुसार अधोवर्णित मद/मदें खरीदना चाहते है। आपसे अनुरोध है कि इसके लिए आप अपनी मुहरबन्द निविदा/भॉवसूची (अनुलग्नक-2) एवं तकनीकी पत्रक /विवरणिका अपने पत्र-शीर्ष पर प्रस्तुत करे। तकनीकी पत्रक /विवरणिका के बिना प्रस्तुत किये हुई निविदा को सरसरी तौर पर खारिज कर दिया जायेगा।

We intend to purchase the under mentioned item(s) as per terms and conditions mentioned overleaf. You are requested to submit your sealed tender/quotation along with Compliance Statement (Annexure 2) and Technical leaflets/Brochure for the same on your own letterhead. Bid without Compliance Statement and Technical Leaflets/Brochure will summarily be rejected:-

S. No	Discreption	Otv
1	Wi-Fi Solution for the Institute	01 Job
	Specification As Per Anexxure-1	

नियम एवं शर्त TERMSANDCONDITIONS

- आपके प्रस्ताव में, प्रस्तावित मद/मदों की निर्मित मेक का वर्णन अवश्य किया जाए।
 Make(s) of offered item(s) MUST be mentioned in your offer.
- 2. तीन साल की साईट पर पूर्ण संस्थापना की व्यापक वारंटी विकेता द्वारा प्रदान की जाएगी। अधिकृत विक्रेता के पास देहरादूनमें एक स्थानीय सेवा केंद्र (पिछले 3 वर्षों से पंजीकृत और कार्यात्मक) होना चाहिए ताकि वह किसी भी समस्या पर प्रतिक्रिया देने के 2-3 घंटे में प्रतिक्रिया दे सके।

Continued on page '2'

- 3 Years on-site comprehensive warranty of the complete installation will have to be provided by the vendor. The authorized vendor must have a local service center (registered and functional since min. past 3 years) at Dehradun so that he can respond to any provlems witin 2-3 hours of reporting the issue.
- 2. स्वदेशी आपूर्ति के लिए वर्णित मूल्य, वाडिया हिमालय मूविज्ञान संस्थान, देहरादून परिसर तक सुपुर्दगी के आघार पर ही हो। केवल जी०एस०टी० @5% अतिरिक्त रूप से देय होगा। अपने प्रस्ताव में जी०एस०टी० का उल्लेख करने से पहले Govt. Notification No. 47/2017-Integrated Tax (Rate) Early Indigenesis as a second of the se

For Indigenous supply, Rates MUST be for delivery on FOR WIHG, Dehradun Premises basis. Only G.S.T. @5% will be paid extra (Against Certificate to be issued by Head of the Institution). You may take note of Govt. Notification No. 47/2017 Integrated Tax (Rate) dated 14th November, 2017.

- 3. आपूर्ति की प्राप्ती, संस्थापना तथा स्वीकृती के बाद, केवल कास किए गए चैक / एन०ई०एफ०टी० / आर०टी०जी०एस० से ही मुगतान किया जाना चाहिए। अन्य मुगतान नियमों वालें प्रस्तावों को नजरअन्दाज कर दिया जाएगा। Payment will be made after receipt, installation and acceptance of supply by a crossed cheque/NEFT/RTGS only. Offers with other payment terms will be liable to be ignored.

Your sealed tender/quotation MUST reach us by 01.00 P.M. on the due date mentioned above.

The envelope containing your tender/quotation should be sealed and superscribed in Capital letters "TENDER FOR (TENDER NO......) DUE TO OPEN ON:

MENTIONED ABOVE.

- 5. निविदाएं / भाव-सूचियां नियत तिथि को अपराह्न 3.00 बजे खोली जाएँगी। यदि किसी कारणवश कार्यालय, उस नियत तिथि को बंद रहता है या इस तिथि को किसी कारणवश भाव-सूचियां खोलना सम्भव नहीं होता तो भाव-सूचियां अगले कार्य दिवस को अपराह्न 3.00 बजे खोली जाएँगी। Tenders/quotations will be opened at 3.00 p.m. on ON THE DUE DATE. In case the office is closed on this date due to any of the reasons or it is not possible for us to open the quotations on this date because of any of the reasons, the quotations will be opened at 3.00 p.m. on the next working day.
- 6. बयाना राशि जमा: जीएफआर 2017 के नियम 171 या किसी अन्य नियम या प्रोक्योरमेंट मैनुअल में निहित किसी भी प्रावधान के बावजूद, बोली दस्तावेजों के साथ बोली सुरक्षा के बारे में कोई प्रावधान नहीं रखा जा रहा है। हालाँकि, बोलीदाताओं को बोली सुरक्षा घोषणा (अनुलग्नक-3) प्रस्तुत करने की आवश्यकता होती है, जैसा कि खरीद नीति, व्यय विभाग, वित्त मंत्रालय, भारत सरकार द्वारा अधिसूचित किया गया है। F.9 / 4/2020.PPO दिनांक 12. 11.2020

Earnest Money Deposit: Notwithstanding anything contained in rule 171 of GFRs 2017 or any other Rule or any provision contained in Procurement Manuals, no provision regarding bid security is being kept with bid documents. However, the bidders are required to submit Bid Security Declaration (Annexure-3) as notified by Procurement policy, Department of Expenditure, Ministry of Finance, Government of India vide there Office Memorandum no. F.9/4/2020-PPO dated 12-11-2020.

- 7. आपके प्रस्ताव में, आपूर्ति के विस्तृत नियम एवं शर्ता का स्पष्ट उल्लेख किया जाना चाहिए अन्यथा आपका प्रस्ताव अस्वीकार किया जा सकता है। Detailed terms & conditions of supply must be mentioned in your offer clearly, otherwise the offer will be liable to be rejected.
- 8. आपकी जीoएसoटीo संख्या का आपके प्रस्ताव में स्पष्ट उल्लेख होना चाहिए। Your G.S.T. Number must be specifically mentioned in your offer.
- 9. निविदाकारों को उनके अपने हित में सलाह दी जाती है कि वे या तो अपनी निविदाएँ स्पीड पोस्ट से भेजें या फिर अपनी निविदाएँ स्वयं आकर भंडार एवं कय अधिकारी के कमरे में रखी गई निविदा -पेटी में डाल दें। यह निविदाकारों की स्वयं की जिम्मेदारी है कि वे यह सुनिश्चित करें कि उनकी निविदाएँ इस कार्यालय में नियत तिथि तक तथा सही समय पर पहुँच जाएँ। The tenderers are advised in their own interest to either send their tenders by Speed Post or to put their tenders in person in the tender box kept in the room of Stores & Purchase Officer of the Institute. It is the responsibility of the tenderers to see that their tender reaches this office by due date and time.
- 10. आपके द्वारा क्वोट की गई भाव-सूची, निविदा खोलने की तिथि से कम से कम एक महीने तक लागू रहनी चाहिए। The rates quoted by you should hold good for at least one month from the date of opening the
- 11. निविदाकार को गारंटी अवधि के पूरा होने तक कय आदेश मूल्य का 3 प्रतिशत सुरक्षा (सिक्योरिटी डिपोजिट) के तौर पर एफ0डी0आर0 या बैंक गारंटी के रूप में जमा कराना होगा। The tenderer will have to submit security deposit @3 % of order value in the shape of FDR/Bank Guarantee till the completion of warranty period.
- 12. आदेश प्राप्त होने के 45 दिनों के भीतर मद/मदों की आपूर्ति कि जानी चाहिए। निर्धारित तिथी तक मद/मदों कि आपूर्ति को कार्यरुप न दे पाने की विफलता की स्थिति मे निविदाकार(रों) को सरकार द्वारा निर्धारित की गई दरो (तरल क्षति) पर निर्णीत हर्जाना भरना पड़ सकता है। (प्रति सप्ताह 1 प्रतिशत अधिकतम 10 सप्ताह तक)

The delivery should be made within 45 days of receipt of Order. Failure to effect delivery by the stipulated date may render the tenderers liable to pay liquidated damage at the rate prescribed by the Govt (1% per week subject to maximum of 10 weeks).

13. ओवरराइटिंग / कटिंग वाले टेंडर की अनुमित नहीं होगी। बोलीदाताओं को बोली प्रस्तुत करने से पहले यह सुनिश्चित करने का सुझाव दिया जाता है कि उनके द्वारा पेश की गई बोली में कोई ओवरराइटिंग /कर्टिंग नहीं है। संख्यात्मक मूल्य में किसी भी अस्पष्टता के मामले में, शब्दों में उल्लिखित मूल्य प्रबल

Tenders with overwritings/cuttings will not be allowed. Bidders are therefore suggested to ensure before bid submission that there is no overwriting/cuttings in their offered bid. In case of any ambiguity in numerical value, the value mentioned in words will prevail.

- 14- यदि हिन्दी एवं अंग्रेजी अनुवाद में कोई अन्तर आता है तो अंग्रेजी अनुवाद ही मान्य होगा। In case of any difference in Hindi & Eneglish version, the English version will prevail.
- 15. निदेशक, वाडिया हिमालय भूविज्ञान संस्थान, देहरादून, को किसी भी कारण बताए बिना सार्वजनिक हित में किसी भी या सभी निविदाओं को अस्वीकार करने करने का अधिकारी है। The Director, Wadia Institute of Himalayan Geology, Dehra Dun reserves the right to reject any or all tenders in public interest without assigning any reasons.

भवदीय. Yours faithfully,

13/01/202/ (एम0के० बिस्वास) (M.K. BISWAS)

मंडार एवं कय अधिकारी

ANNEXURE - 1 (Scope of Supplies and Technical Specifications)

Wadia Institute intends to get the Wi-Fi networking facility in its office premises.

The details along with the specifications of the items required for the job are given below. (However, the vendors must consider the project as turnkey and hence any other item that is required for the successful implementation of the system must also be clearly mentioned and rates quoted for the same in the offer). If any such item is not quoted and at the installation stage, it is seen that the item is required, the same will have to be provided by the vendor at no additional cost.

Compliance Table (MUST be submitted along with supporting documents with the bid)

Sl. No.	Feature Requirement	
1	The entire solution should be WIPS enabled for security from day one. All Wi-Fi Security and resource management services should be functional if the link between AP and its management controller goes down. It must also be possible to add new clients in such a scenario.	
2	Wi-Fi Solution should have both On-premises WLAN Controller and Cloud based Controller Option (Cloud hosted in India will be preferred). In case we decide to go to cloud, same device with same software and license should be able to migrate to the cloud (there should be no additional cost involved for the same	
3	The solution must be able to provide details like Rogue AP, Misconfigured AP, DoS, Unauthorized Association, Ad Hoc Networks etc.	
4	The proposed solution will have to be integrated with the Institute Firewall and institute network for seamless operations, by the vendor	

Warranty: Comprehensive onsite warranty of the complete installation will have to be provided by the vendor for 3 years. The authorized vendor must have a local service center (registered and functional since min. past 3 years) at Dehradun so that he can respond to any problems within 2-3 hours of reporting the issue.

Compliance Statement: A line by line and item by item compliance statement should be submitted by the vendor along with the bid, marking clearly whether or not the item quoted complies with the asked specification.

Continued on page 2

A

BOQ. The details of the items required are as below:

Sl. No.	Item	Unit	Qty
1.	802.11a/b/g/n/ac dual band Indoor high performance wireless ceiling/wall mount AP (Including Mounting hardware)	Nos.	30
2.	WLAN Controller (The solution is to be quoted with on- premises WLAN controller (Software/Hardware based).	Nos.	1
3.	16-port Gigabit Ethernet PoE L2 Switch	Nos.	3
4.	9U Network Rack (With power strips, etc.)	Nos.	3
5.	Cat-6 I/O with One port face plate	Nos.	30
6.	Blank Patch Panel	Nos.	3
7.	Cat6 I/O for Patch Panel	Nos.	30
8.	Cat 6 patch cords (1m)	Nos.	30
9.	Cat 6 patch cords (2M)	Nos.	30
10.	Cat 6 UTP Cable (305m Box)	Nos.	3
11.	Single Mode 6 Core Armoured Fiber Cable	Mtrs	250
12.	LIU 12 Core Fully Loaded with SC connectors	Nos.	3
13.	Fiber Patch Cord LC- SC 3 Mtrs	Nos.	6
14.	PVC Pipe 3/4" (ISI marked)	On actual	On actual
15.	PVC Batton 1" (ISI marked)	On actual	On actual
16.	PVC Batton 3/4" (ISI marked)	On actual	On actual
17.	Installation (including PVC pipe fixing, cable pulling, I/O termination, testing to make the Wi-Fi setup functional at the Institute)	Job	One Job

Access point specifications:

SI. No	Specifications
1	Access Point must be controlled via wireless controller.
2	Access Point should have 802.11 a/b/g/n/ac Wave 2
3	Access Point should have 2x internal antennas
4	Antenna gain: Min. 3 dBi at 2.4 GHz / 4 dBi at 5 GHz
5	Access Point should support SSIDs 8 per radio
8	Access Point should have minimum 1xRJ45 10/100/1000 Ethernet with PoE 802.3af support.
9	Access Point should be able to mount on ceiling and wall
10	Access Point should have minimum 2x2 MIMO at 2.4 GHz, and 2x2 MU-MIMO (802.11ac Wave 2) at 5 GHz
11	Access Point should be UL Standard rated

Continued on page 3

SI. No.	Specification	
1	Gigabit Ethernet RJ-45 Copper ports(10M/100M/1G) - 1000BASE- T and SFP ports	Min 16 Ports 10/100/1000 and min 2 SFP ports
2	PoE/PoE+ ports	All ports Should support PoE
3	PoE Support	802.3at and 8.2.3af Bandwidth – Min. 40 Gbps
4	Quality of Service (QOS)	IEEE 802.1p COS
5	LEDs	Per port - Speed, Link, Activity, PoE

Blank P	Blank Patch Panel specifications	
Sl. No. Specifications		
1	19" Rack Mountable	
2	Have port identification numbers on the front of the panel.	
3	Should have self-adhesive, clear label holders	
4	Each port / jack on the panel should be individually removable on field from the panel.	
5	Should be able to accommodate min.24 Ports	

Sr No	Specifications for Cat-6 UTP cable
1	Category 6 Unshielded Twisted 4 pair shall be compliant with ANSI/TlA/ElA-568-C.2, UL 444
2	Should support 1000 BASE-T (I Gigabit Ethernet) standard.
3	Category 6 can run 1000BASE-T at 100 meters.
4	Category 6 cable should be UL listed.

Continued on page 4

UTP CAT-6 Patch Cord (1 Meter & 2 Meter)

Sr No	Specifications	
1	Equipped with modular 8-position modular plugs on both ends, wired straight through with standards compliant wiring.	
2	The Patch cords shall, at a minimum comply with proposed ANSI/TIAEIA-568-C.2 standard	
3	Should have gold plating over contacts.	
4	Operating life: Minimum 750 insertion cycles	

CATS I/Os with 1 Port Face Plate and Ganq Box

SI No	Specifications
Face Pla	ate
1	Write on labels in transparent plastic window - supplied with plate
2	Material :ABS Plastic
3	Face plate should have dust cover

Inform	Information Outlet RACK AND FIELD SIDE	
4	Category 6, EIA/TIA 568-C.2	
5	Should be UL Listed	
6	Contacts should be gold plated	
7	Information outlets should accept cables from 22- 24 AWG copper	
8	Should support min 750 insertion cycle	

SC-LC Fiber Patch Cord Single Mode (3 Meters)

<u>Sr No</u>	Specification	
1	All optical fiber patch leads shall comprise of Single mode 9/1251-1m fiber with SC/LC, fiber connectors terminated at each end.	
2	Optical Fiber — Single Mode	
3	Connector: Zirconia ceramic ferrule	
4	Pre-radiuses and pre-polished ferrule	
5	Simplex / Duplex	
6	Standard: G652D	



12 Port Fully Loaded LIU (with LC/SC Pigtail Single Mode)

Sr No	Specification	
1	Have sufficient slots to accommodate 12 Duplex LC/SC Ports Single Mode	
2	Should have fiber management provision inside	
3	Should be rack mountable 1U	
4	Should have Splice holder for minimum 12 Fiber cores	
5	Should be made of Steel Cold Rolled	
6	Have sufficient slots to accommodate 12 Duplex LC/SC Ports Single Mode	

Armored Fiber Cable -SM 6 Cores

Sr No	Specification
1	Number of fibers cores – 6 core 9/125 Microns
2	Armored cable with High quality Electro Chromium Coated Corrugated Steel tape
3	HDPE/ LSZH Sheath, jelly filled loose tube with water blocking construction
4	Pulling tension min 1000 (N)



(Scope of Supplies and Technical Specifications)

Wadia Institute intends to get the Wi-Fi networking facility in its office premises.

The details along with the specifications of the items required for the job are given below. (However, the vendors must consider the project as turnkey and hence any other item that is required for the successful implementation of the system must also be clearly mentioned and rates quoted for the same in the offer). If any such item is not quoted and at the installation stage, it is seen that the item is required, the same will have to be provided by the vendor at no additional cost.

Compliance Table (MUST be submitted along with supporting documents with the bid)

SI. No.	Feature Requirement	Comply (Y/N)	Deviations/ Remarks
1	The entire solution should be WIPS enabled for security from day one. All Wi-Fi Security and resource management services should be functional if the link between AP and its management controller goes down. It must also be possible to add new clients in such a scenario.	(2/23)	Temarks
2	Wi-Fi Solution should have both On-premises WLAN Controller and Cloud based Controller Option (Cloud hosted in India will be preferred). In case we decide to go to cloud, same device with same software and license should be able to migrate to the cloud (there should be no additional cost involved for the same		5
3	The solution must be able to provide details like Rogue AP, Misconfigured AP, DoS, Unauthorized Association, Ad Hoc Networks etc.		
4	The proposed solution will have to be integrated with the Institute Firewall and institute network for seamless operations, by the vendor		

Warranty: Comprehensive onsite warranty of the complete installation will have to be provided by the vendor for 3 years. The authorized vendor must have a local service center (registered and functional since min. past 3 years) at Dehradun so that he can respond to any problems within 2-3 hours of reporting the issue.

Compliance Statement: A line by line and item by item compliance statement should be submitted by the vendor along with the bid, marking clearly whether or not the item quoted complies with the asked specification.

BOQ. The details of the items required are as below:

Sl. No.	Item	Unit	Oty
1.	802.11a/b/g/n/ac dual band Indoor high performance wireless ceiling/wall mount AP (Including Mounting hardware)	Nos.	30
2.	WLAN Controller (The solution is to be quoted with on- premises WLAN controller (Software/Hardware based).	Nos.	1
3.	16-port Gigabit Ethernet PoE L2 Switch	Nos.	3
4.	9U Network Rack (With power strips, etc.)	Nos.	3
5.	Cat-6 I/O with One port face plate	Nos.	30
6.	Blank Patch Panel	Nos.	3
7.	Cat6 I/O for Patch Panel	Nos.	30
8.	Cat 6 patch cords (1m)	Nos.	30
9.	Cat 6 patch cords (2M)	Nos.	30
10.	Cat 6 UTP Cable (305m Box)	Nos.	3
11.	Single Mode 6 Core Armoured Fiber Cable	Mtrs	250
12.	LIU 12 Core Fully Loaded with SC connectors	Nos.	3
13.	Fiber Patch Cord LC- SC 3 Mtrs	Nos.	6
14.	PVC Pipe 3/4" (ISI marked)	On actual	On actual
15.	PVC Batton 1" (ISI marked)	On actual	On actual
16.	PVC Batton 3/4" (ISI marked)	On actual	On actual
17.	Installation (including PVC pipe fixing, cable pulling, I/O termination, testing to make the Wi-Fi setup functional at the Institute)	Job	One Job

Access point specifications:

Sl. No	Specifications	Comply	Remarks, if
1	Access Point must be controlled via wireless controller.	(Y/N)	any
2	Access Point should have 802.11 a/b/g/n/ac Wave 2		
3	Access Point should have 2x internal antennas		
4	Antenna gain: Min. 3 dBi at 2.4 GHz / 4 dBi at 5 GHz		
5	Access Point should support SSIDs 8 per radio		
8	Access Point should have minimum 1xRJ45 10/100/1000 Ethernet with PoE 802.3af support.		
9	Access Point should be able to mount on ceiling and wall		
10	Access Point should have minimum 2x2 MIMO at 2.4 GHz, and 2x2 MU-MIMO (802.11ac Wave 2) at 5 GHz		
11_	Access Point should be UL Standard rated		



Sl. No.	Specification		Compliance (Yes/No)
1	Gigabit Ethernet RJ-45 Copper ports(10M/100M/1G) - 1000BASE- T and SFP ports	Min 16 Ports 10/100/1000 and min 2 SFP ports	
2	PoE/PoE+ ports	All ports Should support PoE	
3	PoE Support	802.3at and 8.2.3af Bandwidth – Min. 40 Gbps	
4	Quality of Service (QOS)	IEEE 802.1p COS	
5	LEDs	Per port - Speed, Link, Activity, PoE	

Blank	Patch Panel specifications	
Sl. No.	Specifications	Comply (Y/N)
1	19" Rack Mountable	
2	Have port identification numbers on the front of the panel.	*
3	Should have self-adhesive, clear label holders	
4	Each port / jack on the panel should be individually removable on field from the panel.	
5	Should be able to accommodate min.24 Ports	

Sr No	Specifications for Cat-6 UTP cable	Compliance (Yes/No)
1	Category 6 Unshielded Twisted 4 pair shall be compliant with ANSI/TIA/EIA-568-C.2, UL 444	
2	Should support 1000 BASE-T (I Gigabit Ethernet) standard.	
3	Category 6 can run 1000BASE-T at 100 meters.	
4	Category 6 cable should be UL listed.	

<u>UTP CAT-6 Patch Cord (1 Meter & 2 Meter)</u>

Sr No	Specifications	Compliance (Yes/No)
1	Equipped with modular 8-position modular plugs on both ends, wired straight through with standards compliant wiring.	
2	The Patch cords shall, at a minimum comply with proposed ANSI/TlAEIA-568-C.2 standard	
3	Should have gold plating over contacts.	
4	Operating life: Minimum 750 insertion cycles	

CATS I/Os with 1 Port Face Plate and Gang Box

SI No	Specifications	Compliance (Yes/No)
Face Pl	ate	
1	Write on labels in transparent plastic window - supplied with plate	
2	Material :ABS Plastic	
3	Face plate should have dust cover	

Information Outlet RACK AND FIELD SIDE		
4	Category 6, EIA/TIA 568-C.2	
5	Should be UL Listed	
6	Contacts should be gold plated	
7	Information outlets should accept cables from 22- 24 AWG copper	
8	Should support min 750 insertion cycle	

SC-LC Fiber Patch Cord Single Mode (3 Meters)

Sr No	Specification	Compliance (Yes/No)
1	All optical fiber patch leads shall comprise of Single mode 9/1251-1m fiber with SC/LC, fiber connectors terminated at each end.	
2	Optical Fiber — Single Mode	
3	Connector: Zirconia ceramic ferrule	
4	Pre-radiuses and pre-polished ferrule	
5	Simplex / Duplex	
6	Standard: G652D	

1

Continued on page 5

12 Port Fully Loaded LIU (with LC/SC Pigtail Single Mode)

Sr No	Specification	Compliance (Yes/No)
1	Have sufficient slots to accommodate 12 Duplex LC/SC Ports Single Mode	
2	Should have fiber management provision inside	
3	Should be rack mountable 1U	
4	Should have Splice holder for minimum 12 Fiber cores	
5	Should be made of Steel Cold Rolled	
6	Have sufficient slots to accommodate 12 Duplex LC/SC Ports Single Mode	

Armored Fiber Cable -SM 6 Cores

Sr No	Specification	Compliance	Remarks/
1	Number of fibers cores – 6 core 9/125 Microns	(Yes/No)	Deviations
2	Armored cable with High quality Electro Chromium Coated Corrugated Steel tape		
3	HDPE/ LSZH Sheath, jelly filled loose tube with water blocking construction		
4	Pulling tension min 1000 (N)		

Form of Bid-Securing Declaration

Bid No .:

To

The Director, Wadia Institute of Himalayan Geology, Dehradun

We, the undersigned, declare that:

We understand that, according to your conditions, bids must be supported by a Bid-Securing Declaration.

We accept that we will automatically be suspended from being eligible for bidding in any contract with the Wadia institute of Himalayan Geology, if we are in breach of our obligation(s) under the bid conditions, because we:

- a) have withdrawn our Bid during the period of one month bid validity specified in the letter of bid: or
- b) having been notified of the acceptance of our bid by Wadia Institute of Himalayan Geology the during the period of bid validity, (i) fail or refuse to execute the contact, if required, or
 - (ii) fail or refuse to furnish the Security deposit, in accordance with tender condition

We understand this Bid-Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder: or

(ii) Twenty-eight days after the expiration of our bid.

Signed:

Name:

Duly authorized to sign the bid for and on behalf of:

Date: