

त्रिपुरा विश्वविद्यालय

TRIPURA UNIVERSITY

(केन्द्रीय विश्वविद्यालय / A Central University)

सूर्यमणिनगर, अगरतला / Suryamaninagar, Agartala

त्रिपुरा(प.) / Tripura (W.), पिन / PIN – 799022, भारत / INDIA



दूरभाष / Phone : (0381) 237 4801

ई-मेल / E-Mail: [registrar@tripurauniv.ac.in](mailto:registrar@tripurauniv.ac.in)


वेबसाइट / Website : [www.tripurauniv.ac.in](http://www.tripurauniv.ac.in)

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CERTIFICATE

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line).

The relevant and supporting documents for the above mentioned criteria are attached in annexures.

 06/10/23  
Registrar

(Dr. Deepak Sharma)  
Registrar  
Tripura University



भारत संचार निगम लिमिटेड

(भारत सरकार का उपक्रम)

**BHARAT SANCHAR NIGAM LIMITED**

(A Govt. of India Enterprise)

No. P-1015/NMEICT/2011-12/

Dated- Agartala, 18.02.2012

To  
The Registrar  
Tripura University.  
Suryamani Nagar Agartala  
Tripura West.


Sub- Demand Note for providing **1GBps connectivity**.  
Ref -F/TU/REG/MISC/01/2010 dated- 21.04.2011

Sir,

Kindly find enclosed here with two copies of Demand note for provid  
**1GBps connectivity** under NMEICIT project for information and necessary action  
payment at an early date .

This is with reference to your letter cited above.-

Enclo-as stated above.

  
SDE (Commercial)  
o/o the GMTD,BSNL,Agartala



भारत संचार निगम लिमिटेड  
(भारत सरकार का उपक्रम)  
**BHARAT SANCHAR NIGAM LIMITED**  
(A Govt. of India Enterprise)

**PROVISIONAL DEMAND NOTE no. D-0034**

No.P-1015/NMEICT/2011-12/ 34

Dated- Agartala 18.02.2012

Provisional Demand note for installation of VPNoBB  
under NMEICT project.at TRIPURA UNIVERSITY  
Suryamani Nagar ,Agartala, Tripura West.

Charges – Initial deposit	Rs.18,00,000.00 ( for 1GBps for 10years)
Tax @ 10.3 %	Rs. 1,85,400.00
Total -	Rs. 19,85,400.00

( Rupees nineteen lakh eighty five thousand four hundred only)

*John Mathare*  
18/02/12  
SDE (Commercial)  
o/o the GMTD,BSNL,Agartala

- NB - 1. 1 Gbps connectivity is Rs. 2 (Two) Crore  
2. 10% of 1Gbps borne by BSNL for 10 yrs. Rs. 0.2 crore  
3. Rest 90% share between MHRD Universities  
i. MHRD - 90%  
ii. University - 10%  
4. The University has to pay 10% of 1.8 crore Rs. 18,00,000.00  
Tax @ 10.3% Rs. 1,85,400.00

.....  
Amt. Total – Rs. 19,85,400.00 (to be paid  
by university)

( Rupees nineteen lakh eighty five thousand four hundred only)



**भारत संचार निगम लिमिटेड**  
 (भारत सरकार का उपक्रम)  
**BHARAT SANCHAR NIGAM LIMITED**  
 (A Govt. of India Enterprise)

O/o The GMTD, Doorsanchar Bhawan  
 Kaman Chowmuhani, Agartala-799001  
 Phone: 0381-2386888

Speed Post

No.AGT/TRA/NMEICT

To  
 The Vice-chancellor  
 Tripura University  
 Agartala

*Prof. B.K. De*  
*Dean of Science*  
*12/10/11*

Dated at Agartala the 08-Oct-2012

*Registrar*  
*Pl. find out the*  
*Project details.*  
*12/10/12*

Sub:- Payment of provisional demand note for installation of VPNoBB under NMEICT project at Tripura University, Agartala.

Sir,

With reference to the commercial correspondence no.P-1015/NMEICT/2011-12/34 dated 18-02-2012 and the provisional demand note no. D-0034 for Rs.19,85,400/- issued by the SDE (Commercial), O/o the GMTD BSNL, Agartala, one 1GBPS connectivity under NMEICT project was connected to Tripura University, Agartala on 28-01-2011 vide Addl.GM(CFA), O/o the GMTD, BSNL Agartala letter no. Addl.GM(CFA)/DEV/2010-11 date 29-03-2011. Since the above mentioned provisional demand note for Rs.19,85,400/- is not paid till date, you are once again requested to arrange payment of the same at the earliest.

Thanking you.

*Suman*  
*Pls see and initiate a note*  
*been*

Yours faithfully

*[Signature]*  
 Accounts Officer (TR)  
 O/o The GMTD, BSNL  
 Agartala- 799001

**TRIPURA UNIVERSITY**  
**(A CENTRAL UNIVERSITY)**  
 Suryamaninagar, Agartala,  
 Tripura,  
 INDIA,  
 PIN - 799130



Phone : (0381) 237 4801  
 237 5454  
 237 4805  
 237 5355  
 Fax : (0381) 237 4802  
 237 4807

e-mail : tripurauniversity@rediffmail.co  
 website : www.tripurauniversity.i

No.F.TU/FIN/BSNL/GbpsVPN/218/2010

Date: 10/12/2010

To  
**Rajesh Gupta**  
 Chief General Manager  
 North East - I Circle, CTO Building,  
 Shilong - 793 001  
 FaxL: 0364 2225100  
 Email: cgm\_ne1@bsnl.co.in

*Handwritten notes:*  
 elect. to DGM (Mktg) NE-I  
 Date: 10/12/2010  
 CTO to DG (R) & SOG (BB mktg)  
 form la H  
 22/12

Subject: Providing 1 Gbps VPN connectivity to Tripura University under NMEICT scheme.

Sir,

Please refer to your D.O letter No. DGM (Mktg)/NE-I/Broadband/NME/2010-11 dated 12<sup>th</sup> November, 2010 in the above subject.

In this connection, I am happy to inform you that Tripura University gives its consent for 1 Gbps VPN connectivity and agrees to pay Rs. 19.8 lakhs in 10 installments as proposed in the letter above.

With regards

Yours Sincerely,

*Signature of Prof. B.K. Agarwala*  
 10/12/10  
 (Prof. B.K. Agarwala)  
 Pro Vice-Chancellor

Copy to:

1. The Director of Higher Education, Govt. of Tripura.
2. The Registrar, Tripura University.
3. P.S. to Vice-Chancellor, Tripura University.

*GM (Mktg)*

*Signature of Rajesh Gupta*  
 18/12/2010

Endorsement no: -

DGM(Mktg)/NE-I/BB/NMEICT /10-11/ CIR NO: 244 Dated 21/12/2010

To,  
 The GMTD, Shillong / Aizawl / Agartala  
 For information and necessary action please.

*Signature of Dy. General Manager*  
 Dy. General Manager (Mktg & IT)  
 BSNL, N.E. Circle, Shillong - I

Encl: Proposal of 1Gbps connectivity to Tripura inst of BSNL.

*Prof. Banerjee*  
*Pt. advice*  
*24/11/10*  
*F.O (Acts)*  
*24/11*

Rajesh Gupta  
Chief General Manager  
North East - I Circle, CTO Building,  
Shillong - 793 001  
Ph : 0364-2223400;  
Fax : 0364-2225100  
Email : cgm\_ne1@bsnl.co.in

**SPEED POST**

*Connecting India*  
**BHARAT SANCHAR NIGAM LIMITED**  
(A Govt. Of India Enterprise)

D.O. No. DGM(Mktg)/NE-I/Broadband/NME/2010-11  
Date: 12<sup>th</sup> November 2010.

**Respected Sir,**

The Ministry of Human Recourses Development has launched the prestigious project with the nick name "National Mission for Education through Information & Communications Technology (NMEICT)". BSNL is the only telecom service provider for this project. Ministry of Human Resources Development is giving 90% grants. BSNL has also given the grant of 10% on the remaining value over and above given by Ministry of Human Resources Development.

This project is of immense value in improving the quality of education imparted in the universities using VPN connectivity having instructional lessons on Management, Medicine, Engineering fields etc. apart from World Wide Web (www) internet connectivity.

This project will provide 1Gbps VPN connectivity to your university and your university can share knowledge and information with 400 universities which will be available in this VPN.

It is requested to give concurrence for connecting Tripura University for enabling BSNL to provide 1Gbps connectivity at the extremely nominal cost of Rs. 19.8 lakhs for 10 years.

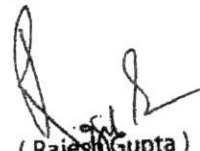
It is my benign request to kindly arrange your consent and commitment to pay Rs.19.8 lakhs (in 10 installments).

The detailed nominal pricing by BSNL viz a viz the concessional price is as per attachment to this letter.

With

Encl: As above.

Yours sincerely,

  
(Rajesh Gupta)  
Chief General Manager

Dr. K.B. Jamatia  
Registrar  
Tripura University  
Suryamaninagar, West Tripura, 799 130.

Copy to:

Prof. Arun Uday Saha, Vice-Chancellor, Tripura University, Suryamaninagar, West Tripura - 799130.

Regd. & Corporate Office : Bharat Sanchar Bhawan, H.C. Mathur Lane, Janpath,, New Delhi-110 001 Website: [www.bsnl.co.in](http://www.bsnl.co.in)

**Benefit being passed under NMEICT to the Universities**  
**TRIPURA UNIVERSITY**

Actual cost of 1 Gbps connection for 10 yrs /University + Tax	2 Cr.
Discount by MHRD 90% on actual cost	1.8 Cr.
Discount further by BSNL 10% on remaining amount	2 Lakhs
Total payment involved for your university for 10yrs	18 lakhs + Tax = 19.8 lakhs
Total payment requested	19.8 Lakhs
Total cost as Normal cost (including Tax) for 10yrs	2.2 Cr.
% Savings	91.00%

**JOINT STATEMENT OF MEASUREMENT (JSM -06)**



Project Name- MHRD-NICSI Central University  
 University Name :- Tripura University  
 Project/Location :- Tripura University/Academic 10  
 P.O & WO.:-N1650309  
 Date:-22.05.17

Sr.No.	Description	UOM	W.O.Qty	Prev Installed Qty	Installed Qty	Balance Qty
1	1" PVC Conduit Medium with necessary fixtures	Mtrs	3903	215.00	15.00	3,673.00
3	1.5" PVC Conduit Medium with necessary fixtures	Mtrs.	2342	0.00	0.00	2,342.00
4	25mm Casing Caping	Nos.	2342	310.00	167.00	1,865.00
5	32mm Casing Caping	Nos.	2265	357.00	0.00	1,908.00
6	19" 12U Wall Mount rack with necessary accessories	Nos.	36	6.00	1.00	29.00
7	19" 42 U Floor Mount rack with necessary accessories	Nos.	5	0.00	0.00	5.00
8	OFC route marker concrete	Nos.	420	32.00	10.00	378.00
9	ISI mark Class B50 MM GI Pipe	Mtrs	2000	99.00	60.00	1,841.00
10	ISI mark HDPE pipe (1.5 inch)	Mtrs	16800	1,714.00	210.00	14,876.00
11	ISI mark Class B 75 MM GI Pipe	Mtrs	1050	0.00	0.00	1,050.00
12	CAT6 UTP Cable Box (305 Mtrs roll)	Box	15860	1,320.00	270.00	14,270.00
13	Single port Cat 6 UTP Information Outlet with British/American style Face plate	Nos.	223	37.00	8.00	178.00
14	Surface mount box	Nos.	223	37.00	8.00	178.00
15	24 Port, Cat 6 UTP Jack Panel (Loaded)	Nos.	41	6.00	1.00	34.00
16	1U Horizontal cable manger	Nos.	42	6.00	1.00	35.00
17	1 Meter Dual Ended Mounting UTP Cat6 patch Cord	Nos.	446	74.00	16.00	356.00
18	2 Meter Dual Ended Mounting UTP Cat6 patch Cord	Nos.	20	1.00	0.00	19.00
19	Cable Tie 100 mm size (Pkt of 100)	Nos.	25	4.00	1.00	20.00
20	Velcro Tie 15 Mtr Roll	Mtrs	150	24.00	5.00	121.00
21	Labels for Jackpanel/ face Plate/Patch Cords - set of 100	Nos.	22	4.00	1.00	17.00
22	Rack mounting hardware/kit for mounting active and passive component in rack(Pack of 10)	Nos.	92	6.00	1.00	85.00
23	12 core outdoor armored cable - SM (OS2)	Mtrs	21000	2,646.00	332.00	18,022.00
24	12 Port Rack Mount LIU loaded with Splice Tray and Cable spool	Nos.	30	5.00	1.00	24.00
25	24 Port Rack Mount LIU loaded with Splice Tray and Cable spool	Nos.	19	0.00	0.00	19.00
26	Pigtail LC SM (OS2) -1.5 Mtr	Nos.	864	60.00	12.00	792.00
27	LC to LC Fiber Duplex patch cord (OS2),3 Mtrs	Nos.	72	5.00	1.00	66.00
28	Joint closure 12 Fiber	Nos.	10	0.00	0.00	10.00
29	32 mm ISI marked or equivalent PVC Flexible Pipe / PVC Duct	Mtrs.		50.00	15.00	65.00
30	Coupler/end cap etc	Nos.				

Note / Remark If Any :-

2

WIPRO Representative		University Nodal Officer	
NAME		NAME	
Signature	<i>Surya Das</i> Surya D/NATH	Signature	<i>Bhubabosh Das</i> Bhubabosh Das 22-5-17
DATE		DATE	

System Analyst & In-charge  
 Computer Center  
 Tripura University.

*J. U. R.*

*Ashish*  
 22-5-2017  
 (ASHISH CHOUDHURY)  
 Information Scientist  
 Central Library, Tripura University  
 Suryamaninagar, Pin-799022

*Sushobh Das*  
 Sushobh Das  
 Computer Centre, TU  
 22/5/17



**JOINT STATEMENT OF MEASUREMENT (JSM -06)**



Project Name- MHRD-NICSI Central University  
 University Name :- Tripura University  
 Project/Location :- Tripura University/Academic 10  
 P.O & WC :- N16 50309  
 Date:-22.05.17

Sr.No.	Description	UOM	W.O.Qty	Prev Installed Qty	This JSM Qty	Balance Qty
1	Digging and refilling of Hard soil -1Mtr	Mtr	2016	1080	45.00	891.00
3	Digging and refilling of tar /Concrete road -1Mtr	Mtr	8064	0	0.00	8,064.00
4	Mouling	Mtr	1050	78	54.00	918.00
5	Construction of Inspection Chamber of size 4'x3'x2'(lxb xh)	Nos	100	7	2.00	91.00
6	Installation of PVC Conduit with necessary fixtures	Mtr	6245	215	15.00	6,015.00
7	Installation of Casing Caping	Mtr	4607	667	167.00	3,773.00
8	Installation of GI pipe	Mtr	3050	99	60.00	2,891.00
9	Installation of Rack with all the accessories	Nos	41	6	1.00	34.00
10	Installation of Patch Panel	Nos	41	6	1.00	34.00
11	Installation of Cable Manager	Nos	42	6	1.00	35.00
12	Laying of Cat6 Cat 6A UTP/FTP/SFTP/FFTP/STP Cables	Mtr	15860	1,320.00	270.00	14,270.00
13	Termination of Cat6 / Cat 6A UTP/FTP/STP/FFTP/SFTP Information Outlet (Both End)	Nos	223	37	8.00	178.00
14	Installation of Face Plate with the SMB Box	Nos	223	37	8.00	178.00
15	Labeling & Dressing of Cat6 / Cat 6A UTP/FTP/STP/FFTP/SFTP/Intelligent Patch Cords	Nos	466	74	16.00	376.00
16	Testing (must include penta scanning). Certification & Documentation of Cat6 / Cat 6A UTP/FTP/STP/FFTP	Nos	223	37	8.00	178.00
17	Laying of 1/6/12 Core OFC Cable	Mtr	21000	2,646.00	332.00	18,322.00
18	Installation of OFC LDU	Nos	49	5	1.00	43.00
19	Labelling & Dressing of OFC/Intelligent Patch Cords	Nos	72	5	1.00	66.00
20	Splicing of OFC Pigtails	Nos	864	60	12.00	792.00
21	Testing (must include OTDR tests). Certification & Documentation of OFC	Nos	864	60	12.00	792.00
22	Installation of HDPE pipe	Mtr	16800	1714	210.00	14,876.00
23	Installation of OFC Route Marker	Nos	420	32	10.00	378.00
24	Creations of holes on the walls	Nos	45	20	7.00	18.00
25	Installation & Termination of joint Enclosure	Nos	10	0	0.00	10.00
26	Installation of flexible pipe/duct	Mtr		50	15.00	0.00

Note / Remark If Any :-

- 1
- 2

WIPRO Representative		University Nodal Officer	
NAME		NAME	
Signature	<i>Sujy DAS</i> Subrata D/Naik	Signature	<i>Bhabatosh Das</i> <i>Debabarna</i>
DATE		DATE	22-5-17

System Analyst & In-charge  
 Computer Center  
 Tripura University.

*[Handwritten signature]*

*[Handwritten signature]*  
 22-5-2017  
 (ASHISH CHOUDHURY)  
 Information Scientist  
 Central Library, Tripura University  
 Suryamaninagar, Pin-799022

*[Handwritten signature]*  
 22/5/17



## Passive Cabling Installation Certificate

1	Vendor Name	Wipro Limited.
2	Project No.	C161601NWND
3	Purchase order No. & date	N1650309 Dated 27 <sup>th</sup> September 2016
4	Invoice No. with date	1113 Dated 28-Dec-2016, 1092 Dated 03-Feb-2017, 1256-1 Dated 13-Feb-2017, 1256-2 Dated 14-Feb-2017, 1256-3 Dated 15-Feb-2017, 1745 Dated 16-Mar-2017.
5	Equipment Name & Description	Passive Cabling for WIFI Implementation (as per JSM attached)
6	Equipment serial nos.	N/A
7	Date of Complete delivery	16 <sup>th</sup> March 2017
8	Date of intimation of call for installation / site readiness information (in case of SNR)	N/A
9	Installation Date	22 <sup>th</sup> May 2017
10	Certificate	Equipment (as per PO ordered by NICS) has been installed successfully
11	Appreciation Comments from Customer:	
	Name of user / NIC Project Coordinator / NICS Project in charge: <b>Sakti Debbarma.</b>	
	Designation: - <b>Sr. System Analyst (Nodal Officer)</b>	
	Signature: - <i>Sakti Debbarma</i> (with official seal) <b>22-5-17</b>	
	Date: -	

*ASH*  
22/05/2017 (ASHISH CHOUDHURY)  
Information Scientist  
Central Library, Tripura University  
Surjyamaniagar, Pin-799022

*Dr. Mrinal Kanti Choudhury*  
(Dr. Mrinal Kanti Choudhury)  
Assistant Professor  
Department of Computer Science & IT  
Tripura University (A Central University)  
Surjyamaniagar-799022, Tripura

**JOINT STATEMENT OF MEASUREMENT**



Project Name- MHRD-NICSI Central University  
 University Name :- TRIPURA UNIVERSITY  
 Project/Location :- Tripura University/ Computer Center  
 P.O & W.O. :- N1450309  
 Date :- 22.05.2017

Sr. No.	Description	UOM	W.O. Qty	JSM Qty	Balance Qty
1	Site survey and initial designing - up to 1000 nodes	No.	1	1	0.00
2	Supply and logistics for cabling of site with upto 1000 nodes	No.	1	1	0.00
3	Cost of Technically qualified manpower. (for implementation)	No.	5	5	0.00
4	Project Management Charges	No.	1	1	0.00

Note: Remarks if any:-

WIPRO Representative		University Nodal Officer	
NAME	Sujoy Das, Subrata Debnath	NAME	Sakti Debbarma
Signature	<i>Sujoy Das</i> <i>Subrata Debnath</i>	Signature	<i>Sakti Debbarma</i>
DATE	22.05.17	DATE	22.5.17

Sr. System Analyst  
 & In-charge  
 Computer Center  
 Tripura University.

*J. K. Bhowmik*  
 (Dr. Mrinal Kanti Bhowmik)  
 Assistant Professor,  
 Department of Computer Science & Engineering  
 Tripura University (A Central University)  
 Suryamaninagar-799022, Tripura (W.)

*P. Debnath*  
 23/5/17  
**[Pranesh Debnath]**  
 Assistant Registrar (Finance)  
 Tripura University  
 (A Central University)  
 Suryamaninagar-799022

*Ashish Choudhury*  
 22/05/2017  
**(ASHISH CHOUDHURY)**  
 Information Scientist  
 Central Library, Tripura University  
 Suryamaninagar, Pin-799022


## TO WHOM IT MAY CONCERN

To  
M/S WIPRO Team

This is to convey our sincerer appreciation and thanks for concluding Tripura University(A Central University) passive Wi-Fi project on a timely manner. Mr. Debabrata Roy, Mr. Sujoy Das, Mr. Subrata Debnath congratulations for this quality job carried out on campus. But the passive work couldn't be checked because of incomplete active work which is to be done by Railtel India.

We wish all the very best on all your future endeavors.

Signing Authority

  
(Sakti Debbarma) 30.8.17.

Sr. System Analyst & Incharge,  
Computer Centre  
Tripura University  
Tripura ,Agartala

Sr. System Analyst  
& In-charge  
Computer Center  
Tripura University.

**JOINT STATEMENT OF MEASUREMENT (TOTAL)**



Project Name- MHRD-NICSI Central University  
 University Name :- Tripura University  
 Project/Location :- Tripura University/All Buildings  
 P.O & WO. :- N1650309  
 Date:-22.05.17

Sr.No.	Description	UOM	W.O.Qty	Total Installed Qty.	Balance Qty in stock
1	1" PVC Conduit Medium with necessary fixtures	Mtrs	3903	2,554.00	1,349.00
2	1.5" PVC Conduit Medium with necessary fixtures	Mtrs.	2342	135.00	2,207.00
3	25mm Casing Capping	Nos.	2342	1,785.00	557.00
4	32mm Casing Capping	Nos.	2265	2,265.00	0.00
5	19" 12U Wall Mount rack with necessary accessories	Nos.	36	36.00	0.00
6	19" 42 U Floor Mount rack with necessary accessories	Nos.	5	4.00	1.00
7	OFC route marker concrete	Nos.	420	420.00	0.00
8	ISI mark Class B50 MM GI Pipe	Mtrs	2000	924.00	1,076.00
9	ISI mark HDPE pipe (1.5 inch)	Mtrs	16800	12,400.00	4,400.00
10	ISI mark Class B 75 MM GI Pipe	Mtrs	1050	228.00	822.00
11	CAT6 UTP Cable Box (305 Mtrs roll)	Mtr	15860	10,514.00	5,346.00
12	Single port Cat 6 UTP Information Outlet with British/American style Face plate	Nos.	223	223.00	0.00
13	Surface mount box	Nos.	223	223.00	0.00
14	24 Port, Cat 6 UTP Jack Panel (Loaded)	Nos.	41	40.00	1.00
15	1U Horizontal cable manger	Nos.	42	40.00	2.00
16	1 Meter Dual Ended Mounting UTP Cat6 patch Cord	Nos.	446	446.00	0.00
17	2 Meter Dual Ended Mounting UTP Cat6 patch Cord	Nos.	20	20.00	0.00
18	Cable Tie 100 mm size (Pkt of 100)	Nos.	25	25.00	0.00
19	Velcro Tie 15 Mtr Roll	Mtrs	150	150.00	0.00
20	Labels for jackpanel/ face Plate/Patch Cords - set of 100	Nos.	22	22.00	0.00
21	Rack mounting hardware/kit for mounting active and passive component in rack(Pack of 10)	Nos.	92	63.00	29.00
22	12 core outdoor armored cable - SM (OS2)	Mtrs	21000	19,125.00	1,875.00
23	12 Port Rack Mount LIU loaded with Splice Tray and Cable spool	Nos.	30	30.00	0.00
24	24 Port Rack Mount LIU loaded with Splice Tray and Cable spool	Nos.	19	19.00	0.00
25	Pigtail LC SM (OS2) -1.5 Mtr	Nos.	864	840.00	24.00
26	LC to LC Fiber Duplex patch cord (OS2),3 Mtrs	Nos.	72	68.00	4.00
27	Joint closure 12 Fiber	Nos.	10	5.00	5.00
28	32 mm ISI marked or equivalent PVC Flexible Pipe / PVC Duct	Mtrs.	450	450.00	0.00

Note / Remark if Any :-

WIPRO Representative		University Nodal Officer	
NAME	Sujoy Das Subrata Debnath	NAME	SAKTI DEBBARMA
Signature	<i>Sujoy Das</i> <i>Subrata D/Debnath</i>	Signature	<i>Debbarma</i> 22-5-17
DATE	22.05.17	DATE	

*M. K. Bhowmik*  
 (Dr. Mrinal Kanti Bhowmik)  
 Assistant Professor,  
 Department of Computer Science & Engineering  
 Tripura University (A Central University)  
 Suryamaninagar-799022, Tripura (W.I.)

*P. Debnath*  
 23/5/17  
**(Pranesh Debnath)**  
 Assistant Registrar (Finance)  
 Tripura University  
 [A Central University]  
 Suryamaninagar-799022

*Bhubenash Das*  
 22/05/17

*Ashish Choudhury*  
 22/05/2017  
**(ASHISH CHOUDHURY)**  
 Information Scientist  
 Central Library, Tripura University  
 Suryamaninagar, Pin-799022

Sr. System Analyst  
 & In-charge  
 Computer Center  
 Tripura University.

**JOINT STATEMENT OF MEASUREMENT(TOTAL)**



Project Name- MHRD-NICSI Central University  
 University Name :- Tripura University  
 Project/Location :- Tripura University/All Buildings  
 P.O & WO :- N1650309  
 Date:-22.05.17

Sr.No.	Description	UOM	W.O.Qty	Total Installed Qty.	Balance Qty in stock
1	Digging and refilling of tar /Concrete road - 1Mtr	Mtr	8064	6,217.00	1,847.00
2	Digging and refilling of Hard soil -1Mtr	Mtr	2016	2,016.00	0.00
3	Mouling	Mtr	1050	796.00	254.00
4	Construction of Inspection Chamber of size 4'x3'x2'(lxb xh)	Nos	100	85.00	15.00
5	Installation of PVC Conduit with necessary fixtures	Mtr	6245	2,689.00	3,556.00
6	Installation of Casing Caping	Mtr	4607	4,050.00	557.00
7	Installation of GI pipe	Mtr	3050	1,152.00	1,898.00
8	Installation of Rack with all the accessories	Nos	41	40.00	1.00
9	Installation of Patch Panel	Nos	41	40.00	1.00
10	Installation of Cable Manager	Nos	42	40.00	2.00
11	Laying of Cat6 Cat 6A UTP/ FTP/ SFTP/ FFIP/ STP Cables	Mtr	15860	10,514.00	5,346.00
12	Termination of Cat6 / Cat 6A UTP/FTP/STP/FFTP/SFTP Information Outlet (Both End)	Nos	223	223.00	0.00
13	Installation of Face Plate with the SMB Box	Nos	223	223.00	0.00
14	Labeling & Dressing of Cat6 / Cat 6A UTP/FTP/STP/FFTP/SFTP/Intelligent Patch Cords	Nos	466	466.00	0.00
15	Testing (must include penta scanning), Certification & Documentation of Cat6 / Cat 6A UTP/FTP/SFTP/STP/FFTP	Nos	223	223.00	0.00
16	Laying of 1/6/12 Core OFC Cable	Mtr	21000	19,125.00	1,875.00
17	Installation of OFC LIU	Nos	49	49.00	0.00
18	Labelling & Dressing of OFC/Intelligent Patch Cords	Nos	72	68.00	4.00
19	Splicing of OFC Pigtails	Nos	864	840.00	24.00
20	Testing (must include OTDR tests), Certification & Documentation of OFC	Nos	864	816.00	48.00
21	Installation of HDPE pipe	Mtr	16800	12,400.00	4,400.00
22	Installation of OFC Route Marker	Nos	420	420.00	0.00
23	Creations of notes on the walls	Nos	45	45.00	0.00
24	Installation & Termination of joint Enclosure	Nos	10	5.00	5.00
25	Installation of flexible pipe/duct	Mtr	450	450.00	0.00

Note / Remark If Any :-

- 1
- 2

WIPRO Representative		University Nodal Officer	
NAME		NAME	
Sujoy Das		SAKTI DEBIBARMA	
Subrata Debnath			
Signature		Signature	
<i>Sujoy Das</i>		<i>Sakti Debnath</i>	22.5.17
Subrata D/Naith			
DATE		DATE	
22.05.17			

Sr. System Analyst & In-charge  
 Computer Center  
 Tripura University.

*Pranesh Debnath*

Bhabatosh Das  
 22/05/17

Dr. Minnal Kanti Bhowmik  
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*P. Debnath*  
 23/5/17  
**[Pranesh Debnath]**  
 Assistant Registrar (Finance)  
 Tripura University  
 [A Central University]  
 Suryamaninagar-799022

*Ashish Choudhury*  
 22/05/2017  
**[ASHISH CHOUDHURY]**  
 Information Scientist  
 Central Library, Tripura University  
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UAT Test Procedures for MHRD-NICSI Central University

University Name- Tripura University  
 Project/Location- Agartala, Tripura  
 Date- 22/05/2017

• Physical Verification of Inspection Chamber and Route Marker -

Test Case Name	Physical Verification of Inspection Chamber and Route Marker	
Procedure	1. Verify all Inspection Chambers are installed properly. 2. Verify all Route Markers are installed properly.	
Obtained Results	All the Chamber & Route marker installed properly- Passed <input checked="" type="checkbox"/> Failed <input type="checkbox"/>	
Remark if Any		
Test Perform Date	University Representative Name/Signature	Wipro Representative Name/Signature
	Sakti Debbarma Sr. System Analyst & In-charge Computer Center Tripura University. 22-5-17	Sujoy Das Subrata Debnath 22-05-17

*(Dr. Kanti Bhowmik)  
 Assistant Professor,  
 Department of Computer Science & Engineering  
 Tripura University (Central University)  
 Suryamaninagar-799022, Tripura, India.*

Physical Verification of Fiber Patch Cords Cable laying and labeling-

Test Case Name	Fiber Patch cords Cabling laying and labeling.	
Purpose	The cabling practice shall be as per standard.	
Procedure	1. Verify all fiber patch cords are laid with proper dressing done. 2. Single patch cord is used up to ODF with no joints in between. 3. All patch cords are labeled.	
Obtained Results	All the cabling has been done as per standard.- Passed <input checked="" type="checkbox"/> Failed <input type="checkbox"/>	
Remark if Any		
Test Perform Date	University Representative Name/Signature	Wipro Representative Name/Signature
	Sakti Debbarma 22-5-17	Sujoy Das Subrata Debnath 22-05-17

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Physical Verification of CAT 6 Cable laying and labeling-

Test Case Name	CAT 6 Cabling laying and labeling	
Purpose	The cabling practice shall be as per standard.	
Procedure	1. Verify all casing capping/ conduit installed properly. 2. All CAT 6 cables are laid with proper ties.	
Obtained Results	All the cabling has been done as per standard.- Passed	<input checked="" type="checkbox"/> Failed <input type="checkbox"/>
Remark if Any		
Test Perform Date	University Representative Name/Signature	Wipro Representative Name/Signature
	Sakti Debbarma <i>S. Debbarma</i> 22-5-17	Sujoy Das <i>Sujoy Das</i> 22-05-17 Subrata Debnath <i>Subrata D/Debnath</i> 22-05-17

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Test Case Name	Rack Mounting / LIU installation	
Purpose	The Rack mounting shall be as per standard.	
Procedure	1. Verify wall is capable to hold the Rack. 2. Do the proper Rack installation. 3. Cable manager installation. 4. LIU installation	
Obtained Results	Installation has been done as per standard.- Passed	<input checked="" type="checkbox"/> Failed <input type="checkbox"/>
Remark if Any		
Test Perform Date	University Representative Name/Signature	Wipro Representative Name/Signature
	Sakti Debbarma <i>S. Debbarma</i> 22-5-17	Sujoy Das <i>Sujoy Das</i> 22-05-17 Subrata Debnath <i>Subrata D/Debnath</i> 22-05-17

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Testing - Panra Scanning of CAT 6 cable-

Test Case Name	Panra Scanning of CAT 6	
Purpose	The cabling practice shall be as per standard.	
Procedure	1. Verify all the cables are laid with proper ties. 2. Do the Panra scanning and share the report in excel format.	
Obtained Results	Scanning done & report received - Passed <input checked="" type="checkbox"/> Failed <input type="checkbox"/>	
Remark if Any		
Test Perform Date	University Representative Name/Signature	Wipro Representative Name/Signature
	Sakti Debbarma <i>Sakti Debbarma</i> 22.5.17	Sujoy Das <i>Sujoy Das</i> 22.05.17 Subrata Debnath <i>Subrata D/wn/15</i> 22.05.17

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Test Case Name	OTDR Testing of Fiber	
Purpose	Verify the fiber cable length and status of laid fiber	
Procedure	1. All fiber laid properly and as per plan. 2. Do the OTDR testing of each block. 3. Save the OTDR testing report of each length/ block 4. take the print out of each OTDR testing. 5. Prepared the OTDR report in excel.	
Obtained Results	Installation has been done as per standard.- Passed <input checked="" type="checkbox"/> Failed <input type="checkbox"/>	
Remark if Any		
Test Perform Date	University Representative Name/Signature	Wipro Representative Name/Signature
	Sakti Debbarma <i>Sakti Debbarma</i> 22.5.17	Sujoy Das <i>Sujoy Das</i> 22.05.17 Subrata Debnath <i>Subrata D/wn/15</i> 22.05.17

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• Documentation-

1. Final As-built drawing / layout in PPT format.
2. Final testing report of Copper & Fiber(Outdoor & Indoor) in Soft & Hard copy.

*Syngid*  
22.05.17

*Subrata D/waty*  
22.05.17.

*J. DebBarma*  
22.5.17

Sr. System Analyst  
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Tripura University.

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22/05/2017.

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