



TELANGANA UNIVERSITY

DICHPALLY, NIZAMABAD – 503 322

(Established under Act No. 28 of 2006. A.P.)

Recognized by UGC 12 (B) 2(f), Accredited by NAAC with “B+” Grade

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PROF. B. VIDYA VARDHINI
REGISTRAR

Lr. No. 125/REG/TU/NZB/2017

Date: 12-09-2017

SHORT TENDER NOTICE

Sealed Tenders are invited for the Establishment and Integration of CC Surveillance system, Intercom System and Internet & Wi-Fi system from the reputed firms. The Tender form with details can be downloaded from Telangana University website: www.telanganauniversity.ac.in last date for submission of sealed tender is 21-09-2017 by 4.00 p.m.

Sd/-
REGISTRAR

TELANGANA UNIVERSITY

DICHPALLY, NIZAMABAD (T.S.) – 503 322

TENDER APPLICATION FORM

FOR

The Establishment and Integration of CC Surveillance system , Intercom System and Internet& Wi-Fi system

1. Name :	
2. Firm / Agency Name:	
3. Address of the Agency / Office and Phone number / Mobile No.	
4. Date of Commencement of Business	
5. Brief Description of the Agency/ Company including details of its main lines of business	
6. EMD Deposit DD.No. Date: Amount and DD drawn on	
7. Tender fee DD No. Date: Amount and DD drawn on	
<p>Name :</p> <p>Designation :</p> <p>Address : <input type="text"/></p> <p>Telephone No. / Fax No. :</p> <p>Mobile No. :</p> <p>Email Address :</p> <p>Specimen Signature : of the Bidder</p>	

I understand that the University has the right to accept or cancel the bid at any time without any intimation.

Date: / /2017
Station: _____

Signature
(with seal)



TELANGANA UNIVERSITY
DICHPALLY, NIZAMABAD – 503 322 (TELANGANA STATE)

TERMS AND CONDITIONS

Subject: Telangana University – Calling for tenders of the Establishment and Integration of CC Surveillance system , Intercom System and Internet& Wi-Fi system – Terms and Conditions – Informing of – Regarding.

1. The tender application fee of ` 10,000.00 in the shape of DD drawn in favour of Registrar, Telangana University, Dichpally, Nizamabad and the DD should be enclosed along with the Tender Application form to the undersigned on or before 21-09-2017 by 4.00 p.m. The cost of Tender form is non refundable.
2. The bidder must be in the related business for the past (3) three years.
3. The bidder must be a registered firm/ licensed holder.
4. The intending tenderers should have satisfactorily completed at least one similar nature work of 60% of the estimated cost put to tender or two similar nature works each of 40% of the estimated cost put to tender during last three years.
5. The Establishment and Integration of CC Surveillance system , Intercom System and Internet& Wi-Fi system in the three campuses and all expenditure must be borne by the bidder only.
6. The equipment shall be in compliance to the specifications mentioned in Annexure-I,II&III of the tender and shall be of the mentioned technology.
7. The successful bidder should submit an agreement/declaration on a Non-judicial stamped paper worth of ` 100.00.
8. The successful bidder should draw a Demand Draft of ` 5,00,000.00 from any nationalized bank in favour of The Registrar, Telangana University, Nizamabad towards Earnest Money Deposit (EMD).
9. The sealed tenders will be opened on 22-09-2017 at 2.00 p.m. in the presence of the Purchase committee in the office of the Registrar, Telangana University, Nizamabad.
10. The undersigned reserved the right to accept/reject any tender without showing any reasons. Tenders in whom any of the prescribed conditions are not fulfilled or found incomplete in any respect are liable to be rejected.
11. Parties are requested to make a visit to site and fully acquaint themselves about the site conditions, nature of work to be carried out. Non-familiarity with the site condition shall not construed or attract for increase in rates if any, after acceptance of quoted rates.
12. The bidder must have a turnover of more than ` 2.00 crores in at least one of the last three financial years.
13. All the disputes relating to this tender shall be subject to the jurisdiction of Nizamabad, Telangana State only.
14. The successful bidder should complete the Establishment and Integration of CC Surveillance system , Intercom System and Internet& Wi-Fi system in the selected place within a period of (90) days. In case of delay beyond (90) days a penalty of ` 10,000.00 per day will be charges and the bidder should pay the penalty amount or else the penalty amount shall be deducted from the amount payable.
15. The successful bidder shall take the responsibility of the Maintenance of Integration system of CC Surveillance system , Intercom System and Internet& Wi-Fi system for a period of (2) years at their own cost.
16. The bidders shall submit the copy of PAN Number, GST registration details along with the tender.

Sd/-

REGISTRAR

Establishing a Data Centre to Integrate and
commission the CC cameras surveillance
system ,Intercom system ,Internet& WIFI
system

ANNEXURE – I-CCTV SURVAILLANCE SYSTEM

An estimation for Supply, installation, testing, commissioning of CCTV surveillance along with Monitoring video wall/ storage/ LAN connection and other accessories required for working of CCTV Surveillance System at Main Campus, Telangana University, Dichpally, South Campus, Bhiknoor and University College of Educations, Sarangapur.

	DESCRTIPTION	QTY
01	Supply and Installation of IP based, 1/3" Progressive CMOS, ICR, 0lux with IR, 1920x1080:25fps(P)/30fps(N), 4mm/F2.0 lens (2.8mm, 6mm optional), Intrusion Detection, Line Crossing Detection, IR range: up to 30m	117
02	Supply and Installation of IP based 1/3" Progressive CMOS, ICR, 0lux with IR, 1920x1080:25fps(P)/30fps(N), 4mm/F2.0 lens (6/8/12 mm optional), H.264/MJPEG, dual-stream, IP66, DC12V &PoE, DWDR, 3D DNR, BLC, Intrusion Detection, Line Crossing Detection, IR range: up to 30m, Bracket included	66
03	Supply and Installation of IP PTZ 2MP, 1/2.8" CMOS, 3D DNR, ICR, Color: 0.02lux/F1.5, B/W:0.002lux/F1.5, Optical Zoom:20x, Focus:4.7- 94.0mm, Digital Zoom:16X, 1920x1080:30fps, Pan range:360° endless; Tilt range: -15°~90°(Auto Flip), Pan Speed: 0.1° -400°/s, Tilt Speed: 0.1° - 200°/s, 150m IR Distance.	15
04	Supply and Installation Network Video Recorder of 160Mbps Bit Rate Input Max(up to 32-ch IP video), 4 SATA Interfaces, alarm I/O: 16/4, 1.5U case,19" Make:- Hikvision -for three campus	04
05	Supply and Installation Network Video Recorder 160Mbps Bit Rate Input Max(up to 16-ch IP video), 4 SATA Interfaces, alarm I/O: 16/4, 1.5U- for three campus	06
06	Supply and Installation of 4 PORT OLT-GPON, Make:Huwai/DBC/N vision- for three campus	03
07	Supply and Installation of 10/100/100 ONU4-PORT Make:Huwai/ N vision DBC- for three campus	155
08	10/100/1000 POE SWITCH 4+1 With High power for camera	75
09	Surveillance Drive - 4 TB for three campus	35
10	4 x 3 junction box, whether proof to close the RJ45 connector for preventing the water ingress at camera location	56
11	32"Professional Display monitor, 16x7 working nature Full HD,1920x1080, Aspect ratio 16:9, Brightness 350nit, Contrast Ratio 5000:1, View Angel 178:178, Built in Speakers	01
12	48"Professional Display monitor, 10W, Response time 8ms, Ports: USB , HDMI-2, DVI, VGA, RS232, RJ 45, Built in 179MB memory, Samsung Magic info lite Signage software, 16/7 Application For Ditch pally campus	6
12	1 KVA UPS	25
13	Supply and Installation Server Rack for NVR mounting 22U	01
14	Supply and fixing of Patch Cord,	350
15	Supply and laying of CAT-6 cable	5000Mtr
16	Supply and laying of 6 f OFC Cable	9500mtr

17	Supply and Laying of 12 F OFC Cable	3500 mtr
18	Supply and Installation of OFC Splitters 1:8	80
19	Supply and Installation of OFC Splitters 1:24	10
21	Supply and Fixing of OFC Patch Cards	300
22	Supply and Installation of Media Converter 10/100/1000 in pair	16
23	Supply and Laying of 2C x 1.5 Sqm Flexible Copper Cable.	13650 mtr
24	Supply and laying Sudhakar Make of PVC Conduit along with required accessories	1350 Mtr
25	Supply and laying of GI Class B Pipe for Underground Cabling, along Man holes/trenching with required accessories	13000 mtr
26	Supply and laying of GI Pole along with required accessories with foundation.	69
27	Configuration , Installation and Commissioning of System along with ISO Standards OFC Slicing	1

ANNEXURE – II- INTERCOM

Estimation for Supply, installation, testing, commissioning of Intercom facility along with Server Application LAN connection and other accessories required for working of Intercom System at Main Campus, Telangana University, Dichpally, South Campus, Bhiknoor and University College of Educations, Sarangapur

S.NO	DESCRTIPTION	QTY
01	Supply and Installation of 4 PORT OLT-GPON, Make:Huwai/DBC/N vision- for three campus	3
02	Supply and Installation of 4 PORT ONU, Make:Huwai/DBC/N vision- for three campus	130
03	6 U junction box, whether proof to close the RJ45 connector for preventing the water ingress at camera location	25
04	Supply and laying of 6 f OFC Cable	3500mtr
05	Supply and laying of 12 f OFC Cable	2000 mtr
06	Supply and Installation of OFC Splitters 1:8	20
07	Supply and Installation of OFC Splitters 1:24	10
08	1KVA UPS for power supply of ONU	20
09	Supply and Fixing of ONU-OFC Patch Cards	300
10	ISO Standards OFC Slicing	600
11	Installation/testing and commissioning	01
12	Beetel Handsets with caller id	100

ANNEXURE – III- INTERNET WIFI

Estimation for Supply, installation, testing, commissioning of Internet WIF facility along with Server Application LAN connection and other accessories required for working of Intercom S y s t e m at South Campus, Bhiknoor and University College of Educations, Sarangapur

S.NO	DESCRTIPTION	QTY
01	WIFI HOTSPOT to above mentioned campus	20
02	Cat 6E cable	2300 mtr
03	Installation/testing/commissioning	1
04	POE Switches 4+1/10/100/1000	7
05	PVC Pipe Sudhakar	2000 mtr

All the above three Annexure's are to integrated in such a way that each and every device in all the systems can be monitored from a Data centre. (I.e. each and every camera, each and every intercom phone and each and every system or a device using internet and WI-FI should be able to be monitored from one data centre) the details of which are given below.

An integration of services required for Telangana university of three campuses, installation, testing, commissioning of CCTV/intercom/internet with WIFI, In Dichpally, South Campus, Bhiknoor and University College of Educations, Sarangapur.

PRE Summary and Highlights of project.

The integrations will be classified in to TWO in each campus.

One OFC-OLT integration will only for CCTV surveillance

And one OFC-OLT integration will be Intercom and internet

Above Two OLT technology integrations will migrate to respective campus control rooms where we can monitor / Control /Mange.

CCTV

1. CCTV surveillance integration of three campuses had to be monitored in our control room at main campus.
2. without streaming problem and low latency
3. CCTV storage of footage will be in their respective campus.
4. All junctions/roads/entrance /exits of campus and inside building /outside buildings will be under Surveillance.
5. With OLT technology has to use to increase life and performance of all Cctv-cameras and NVR's
6. Present integration has to accept future requirements such (As OLT technology we can migrate new integrations in future)
7. Hand book has to submit to university of CCTV integration plan/design /implementation for trouble shooting mode

INTERCOM:-

1. In each every campus all important desks/Labs/Hod's/staff will be able to communicate in intranet intercom, where there is no need of paying bill to telecommunication operator.
- 2 Should have an enabling outing facility to only desired number in 3 campus.
- 3 There should be no mess of copper cables at any junction boxes
- 4 It should be easy to handle through software from control room
5. Easy to trouble shoot at any point of time which is not possible with copper cabling
6. Total intercom will work under VOIP topology as it is latest technology
7. IF we using OLT technology it can guaranty more than 7 -8 years. Which is not possible in conventional technology.
8. For each desks it should generate 2 VOIP ports and individual numbers.
9. Hand book has to submit to university of CCTV integration plan/design /implementation for trouble shooting mode.

WIFI INTERNET:-

1. Wifi has to share to all buildings in three campuses through same OLT technology which we used for intercom service and integration.
2. For all desks where intercom is there we should be able to use internet through cable this is other than WIFI.
3. In Main campus existing WIFI Hotspots has to be reactivated with NkN 1GB Internet.
4. In Main Campus we should serve and merge NkN internet to all campus building needs.
5. We should be able to manage all WIFI/Wired internet users from control room itself.
6. We should be able to generate usernames /passwords for campus users only.
7. We should be able to restrict, we can limit other than campus users
8. Intercom and internet will be in same integration in all three campuses.
9. Hand book has to submit to university of CCTV integration plan/design /implementation for trouble shooting mode
10. In main campus has to supply and integrate From NKN router with planning bandwidth management to all existing WIFI Hotspots.