

RAJASTHAN RAJYA VIDHUT UTPADAN NIGAM LIMITED



Corporate Identify Number(CIN)-U40102RJ2000SGC016484

Regd.Office & H.O.: Vidyut Bhawan,Janpath,Jyoti Nagar,Jaipur-302005

GENERATION CIRCLE, VIDYUT NAGAR, BANSWARA-327001

Phone No. 02962-251252, E-Mail: se.genbanswr@rvunl.com web site: www.rvunl.com



No. RRVUNL /SE (Gen)/ BSW /2020-21/ F. /D.

Dated: / /2020

CORRIGENDUM

The corrigendum of the following NIT No. 33/2020-21 (UBN No. **RVUN2021GLOB01339**) are hereby made, details as under :

Due to typographical error in Section-D “1.0 -Scope of Supply and work” and “Technical Specification- 2.0- 4 Port Switch” of tender document of NIT no. 33/2020-21, the Corrigendum is hereby made in tender events & Section-D “1.0 - Scope of Supply and work” and “Technical Specification- 2.0- 4 Port Switch” of NIT no. 33/2020-21, as attached herewith.

The tenders are required to submit the prices in BOQ in accordance to this corrigendum. The other terms & conditions and specifications of tender document will remain same.

Other terms & condition shall remain unchanged.

Contact person (Sh. Dilip Gehani – 9413349516, Sh. Manish Jain: 9413348292)

Communication Address:- Office of the Superintending Engineer (Gen.)

GENERATION CIRCLE, VIDYUT NAGAR, BANSWARA-327001

Phone No. 02962-251252

**Superintending Engineer (Gen.)
RVUNL, Banswara**

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**TENDER DOCUMENTS AGAINST TN No. 33/2020-21 (Two Part Bid) (E-tender)**

The Tender Documents including detailed NIB, Qualifying Requirement and Technical Specification can be downloaded from the date given below onwards from the website <http://eproc.rajasthan.gov.in> and the interested bidders will have to submit their tenders in the electronic format on this website with their digital signatures. Details of this tender notification can also be seen in NIT exhibited on websites www.rvunl.com & <http://sppp.rajasthan.gov.in>. The bidders will have to procure Digital Certificates as per IT Act-2000 for signing their electronic bids. The offers which are not digitally signed will not be accepted.

1.	Name of item/Material	Supply, Installation, Testing & Commissioning of CCTV system for surveillance and security of the important locations of Mahi PH-II, Bagidora.
2.	Tender Cost (In favour of Account Officer (Gen.), RVUNL, Banswara)	a. Rs. 590.00 (Rupees Five Hundred Ninety only) inclusive GST @18% (Non- refundable) b. Rs. 295.00 (Rupees Two Hundred Ninety Five only) inclusive GST @18% in case of Micro, Small and Medium Enterprises of Rajasthan on furnishing documentary evidence (Non-refundable)- (Please see Annexure-II, Manufacturer of items only)
3.	Start date & time of Downloading of tender Documents/ Sale of Tender documents.	25/11/2020 at 17.00 Hrs.
4.	Last date & time of Downloading of tender documents/ Sale of Tender documents.	15/12/2020 at 17.00 Hrs.
5.	Start date & time for online submission of tender.	25/11/2020 at 17.00 Hrs.
6.	Last date & time for submission of tender Document cost, tender processing fee & EMD .	16/12/2020 at 16.00 Hrs.
7.	Last Date & Time for online submission of tender.	15/12/2020 at 17.00 Hrs.
8.	Date & Time for online opening of Technical bid.	17/12/2020 at 12.00 Hrs.
9.	Date & Time for opening of Price bid	Will be intimated later on
10.	Estimated cost	Rs. 23,60,472/-
11.	Earnest Money Deposit (EMD) (In favour of Account Officer (Gen.), RVUNL, Banswara)	a. Rs. 47210/- (Rupees Forty Seven Thousand Two hundred Ten only) b. Rs. 23605/- Rupees Twenty Three Thousand Six Hundred Five only) in case of sick industries, other than Small Scale Industries, whose cases are pending with Board of Industrial and Financial Reconstruction. c. Rs. 5905/- Rupees Five Thousand Nine Hundred Five only) in case of Micro, Small and Medium Enterprises of Rajasthan, Please see Annexure-II, Manufacturer of items only)
12.	Tender Processing fees (In favour of Accounts Officer (Gen.), RVUNL,Banswara)	Rs. 500/-
13.	Venue of Tender opening	O/o The SE (Gen.), RVUNL, Banswara

**Superintending Engineer (Gen.),
RVUNL, Banswara**

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SECTION-D

Name of work: - Supply, Installation, Testing & Commissioning of CCTV system for surveillance and security of the important locations of Mahi PH-II, Bagidora.

SCOPE OF SUPPLY AND WORK

1. **Scope of Supply and work-**
- 2.

S.N.	Part Description	Quantity	Unit
1	SITC of 4MP WDR IR Bullet Network Camera ,4MP, 1/3" CMOS image sensor, low illuminance, high image definition, Outputs 4MP (2560 × 1440)@25/30 fps, max. supports 4MP (2688 × 1520)@20 fps, H.265 codec, high compression rate, ultra-low bit rate,Built-in IR LED, max IR distance: 60 m,ROI, SMART H.264/H.265, flexible coding, applicable to various bandwidth and storage environments, Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes, Intelligent detection: Intrusion, tripwire, Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, local alarm, voltage detection, audio abnormal, Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 GB Micro SD card,12V DC/PoE power support,IP67 protection. Product should CE/ FCC/ UL/ RoHS/ BIS Certified.	26	Nos
2	SITC OF 4MP 30x WDR IP IR PTZ Dome Camera 1/3" 4MP PS CMOS Image sensor, Max. 25/30fps@4M, 50/60fps@1080P resolution, Powerful 30x Optical and 16x Digital zoom,,265 and H.264 Triple Stream Encoding, WDR (120dB), Day/Night(ICR), 2D/3D-DNR, EIS, ROI, Defog, Auto iris, Auto focus, Up to 300 Presets, 8 Tour, 5 Pattern, Auto scan, Auto Pan, Max 400°/s pan speed, 360° endless pan rotation, Built-in 2/1 alarm in/out, IP66, PoE+ , Micro SD card, 100 Mtr. IR Product should CE/ FCC/ UL/ RoHS/ BIS Certified.	1	Nos
3	SITC of 64Ch. H.265 4K Network Video Recorder,Up to 64 channel IP camera input,Up to 12Mp resolution preview and playback,Max 384Mbps incoming bandwidth,Support 8 SATA HDDs up to 64TB, 4 USB Ports, 1 eSATA port,2 HDMI / 1 VGA simultaneous video output,Support Multi-brand network cameras,Support RAID 0/1/5/6/10,ONVIF Version 2.4 conformance, Product should CE/ FCC/ UL/ RoHS/BIS Certified.	1	Nos
4	Supply installation and testing commissioning of 55" LED Monitor,55" Diagonal Full HD (1920 x 1080) LED Display,2 x HDMI Port,1 x VGA Port,2 x USB Port, Inbuilt media player-should be as per OEM for web browser & file sharing compatibility through IP, External Control-RS232C(in/out) thru stereo jack, RJ45,Contrast Ratio - 4000;1,Response time- 8 ms, Brightness 350 cd/m2 20 Watt Built in speaker, Viewing angle 178° x 178°,Wall mount for Display:, Movable arm Wall mount with 45° Left / Right movement, External media player compatible for above if required Safety & EMC Certifications.	1	Nos
5	SITC of 4 Port Industrial Gigabit PoE Switch With 2 Gigabit Fiber Port,Support IEEE 802.3 IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ad,Optical port: 2 100/1000Mbps Base-X RJ45 Port: 4 10/100/1000 Mbps Base-T, Support dual DC power backup, built-in over current protection,IP40 grade protection, corrugated high strength metal housing, Power supply support anti-reverse connection	7	Nos
6	Supply of SFP Module -1G-LX Compatible with SFP Switch	14	Nos
7	SITC of 8 Port Gigabit Switch	1	Nos
8	SITC of IP 66 rated Iron Junction Box with coated and Painted fabricated, suitable for the power supply box for supplying power to switches, fans etc along with Mcb, Power Board. Lock and Key	7	Nos

9	Supply , Installation, Testing and Comissioning of 12U Floor Standing Communication rack with width 600 MM, Depth 600 MM, front glass door, rear MS door, side openable panels, min 10 socket Vertical Cable manager -01 no, two nos Vertical Cable managers, 05 nos Horizontal Cable managers, swing handles, lock on both doors, Top and Bottom Cable entries with gland plates, Coastor with brakes, 1 no Fan tray with 2 x 230 Volt fans, Equipment mounting hardware.	1	Nos.
10	Supply of Rack mounted 12 Port LIU loaded with pigtail, adaptor, adapter Plate etc.	1	Nos.
11	Supply of Rack mounted 19" 24 Port Cat 6 UTP,1.5-1.6 MM CRS chasis , powder coated Modular Patch Panels with collapsible shutters on jacks to support latest ammendments of TIA / EIA Cat 6 Specifications	1	Nos.
12	Supply and Drawing of Cat 6 cable , 4 pair, 24 AWG UTP Cat 6 Cable as per latest ammendments of TIA /EIA 568 B.2-1 Specifications. For the Outdoor Application	2000	Meters
13	Supply and laying of Optical Fiber Cable Armoured 12 core singlemode [9 micron] glass Fiber Optic cable as per latest ammendments of TIA /EIA 568B.3 , GR 409 CORE / UL listed NEC 770 Standards.	2500	Meters
14	SITC of indoor 1 pair singlemode [9 micron] glass Fiber Optic Patch Cords of one mtr length as per latest ammendments of TIA /EIA 568B.3 and IEC 794 Standard Specifications including ST II / SC/LC/MT-RJ/PC connectors at both ends as per requirements. SC-LC Duplex	20	Nos.
15	SITC of 2Cx1.5 sqmm Armoured power cable	2500	Meters
16	SITC HDPE conduit 32 mm HDPE conduit	2500	Meters
17	Supply of surveillance HDD 6TB	8	Nos.
18	Supply of Cat 6 Patch cord 0.5 Meters	24	Nos
19	Supply of Cat 6 Patch cord 1 Meters	20	Nos
20	Drawing and Testing of OFC Cable- 1 feet digging and refilling for laying the OFC cable in HDPE PIPE	2500	Meters
21	Miscellaneous items Like Nut bolt, C-channel, anchor fastener, MCB, TBs, PDU, connector.	1	Lot
22	Fiber Fusion Splicing with OTDR Testing of Fiber Single (per splice) of glass Fiber Optic Cable including JC box	1	Lot
23	Supply installation and testing commissioning of Online UPS 3 KVA with battery for 60 Minute battery backup	2	Nos
24	Supply and erection of 9 meter Conical Reinforced polymer composite pole made of orthophthalic unsaturated polyester resin and reinforced by fiberglass rovings, mats or fabrics in position including excavation of the pit and filling the same with C.C.	9	Nos
25	Digging , Installation , and commission of utp and ofc	1	JOB

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TECHNICAL SPECIFICATIONS

2. 4 PORT SWITCH

SN	Specification	
1	Data transmission port	4 Ethernet ports with 10/100/1000 Mbps Base-T and 2 fiber ports with 100/1000 Mbps Base-X
2	Power Supply	PoE power supply: 48V–57V DC
3	Operating Temperature	-40°C to 75°C (-40°F to 167°F)
4	Operating Humidity	5%–95%
5	Power Consumption	Idling power consumption: 6W and Full load power consumption: 120W,
6	Ingress Protection	IP40 grade protection, corrugated high strength metal housing, Support dual DC power backup, built-in over current protection
7	Full Load Power	60W @ 48VDC (including POE Output) or Better
8	No Load Power	4W @48VDC or better
9	Power Source	48VDC and Power supply support anti-reverse connection
10	Power Indicator	Supported
11	Switching Delay	<5us or Better
12	Backplane Bandwidth	12Gbps
13	Transmission method	Store and Forward
14	Network Standard	Support IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ad, IEEE 802.3x, IEEE 802.1p, IEEE 802.1q, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.3af, IEEE 802.3at Ethernet standard.
15	VLAN	4K VLAN, 802.1Q VLAN, MAC VLAN ,IP VLAN, Voice VLAN
16	Port Cache	2Mbit
17	MAC Address List	8K
18	Spanning Tree	Support STP(IEEE 802.1d), RSTP(IEEE 802.1w),MSTP(IEEE 802.1s) protocol Support loop protection, root bridge protection, TC protection, BPDU protection, BPDU filtering
19	100 Mbps Forwarding Speed	148810pps
20	Gigabit Forwarding Speed	1488100pps
21	Gigabit Maximum Filtration	1488100pps
22	100M Maximum Filte	148810pps