



STR-D2/EQPT/281/NETWORKING2.0/IT/2020-21  
E-Procurement Tender No. NIMHANS/2020-21/IND749

**Revised -ADDENDUM/CORRIGENDUM-3**  
**(Through e-procurement portal only)**

**Subject: Corrigendum-3 for the E Procurement Tender No. NIMHANS/2020-21/IND754**

**Reference:**

- E- Procurement Tender No. NIMHANS/2020-21/IND749 Dated: 09/12/2020.
- Addendum/Corrigendum Notification No. STR-D2/EQPT/281/NETWORKING2.0/IT/2020-21 Dt 06/01/2021
- Addendum/Corrigendum & Clarification Notification No. STR-D2/EQPT/281/NETWORKING2.0/IT/2020-21 Dt 13/01/2021
- Addendum/Corrigendum -2 Notification No. STR-D2/EQPT/281/NETWORKING2.0/IT/2020-21 Dt 25/01/2021
- Addendum/Corrigendum -3 Notification No. STR-D2/EQPT/281/NETWORKING2.0/IT/2020-21 Dt 01/02/2021

In reference to the Tender Notification No. **NIMHANS/2020-21/IND749** towards Networking 2.0, **Revised-Corrigendum-3** has been issued for the Addendum/Corrigendum-3 Notification No. STR-D2/EQPT/281/NETWORKING2.0/IT/2020-21 Dt 01/02/2021 through e-procurement portal and NIMHANS website.

**Revised-Addendum/Corrigendum-3**

Sl. No.	Page No	Point Details	RFP Description			NIMHANS Clarification to be Read as		
1	55	Table: Bill of Material	Sl. No.	Description	Qty (Approx.)	Sl. No.	Description	Qty (Approx.)
			3.	Access Switch 48 Port PoE fully loaded with RJ45 Modules	105 Nos.	3.	Access Switch 48 Port PoE fully loaded with RJ45 Modules	65 Nos.
			4.	Access Switch 24 Port PoE fully loaded with RJ45 Modules	53 Nos.	3A	Access Switch 48 Port gigabit of which minimum 8 ports are mgigabit (2.5 / 5 Gig) POE+ with 4 * 10 GIG SFP+ ports. Power supply should meet the full power requirement from day one	40 Nos.
						4	Access Switch 24 Port PoE fully loaded with RJ45 Modules	23 Nos.
						4A	Access Switch 24 Port gigabit of which minimum 8 ports are mgigabit (2.5 / 5 Gig) POE+ with 4 * 10 GIG SFP+ ports. Power supply should meet the full power requirement from day one	30 Nos.

2	59	Operation and Management Scope of Work	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Device/Item</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Distribution switch</td> <td>1 Number</td> </tr> <tr> <td>2</td> <td>Access Switches</td> <td>5 Numbers</td> </tr> <tr> <td>3</td> <td>Access Points</td> <td>10 Numbers</td> </tr> <tr> <td>4</td> <td>10G Transceivers for Access and Distribution Switches</td> <td>10 Numbers</td> </tr> <tr> <td>5</td> <td>40G Transceivers for Distribution and Core Switches</td> <td>6 Numbers</td> </tr> <tr> <td>6</td> <td>Power Module for Access Switch</td> <td>5 Numbers</td> </tr> </tbody> </table>		Sl. No.	Device/Item	Quantity	1	Distribution switch	1 Number	2	Access Switches	5 Numbers	3	Access Points	10 Numbers	4	10G Transceivers for Access and Distribution Switches	10 Numbers	5	40G Transceivers for Distribution and Core Switches	6 Numbers	6	Power Module for Access Switch	5 Numbers	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Device/Item</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Distribution switch</td> <td>1 Number</td> </tr> <tr> <td>2</td> <td>Access Switch 48 Port Gigabit PoE+</td> <td>1 Number</td> </tr> <tr> <td>3</td> <td>Access Switch 48 Port Gigabit and M Gigabit PoE+</td> <td>1 Number</td> </tr> <tr> <td>4</td> <td>Access Switch 24 Port Gigabit PoE+</td> <td>2 Numbers</td> </tr> <tr> <td>5</td> <td>Access Switch 24 Port Gigabit and M Gigabit PoE+</td> <td>1 Number</td> </tr> <tr> <td>6</td> <td>Access Points</td> <td>5 Numbers</td> </tr> <tr> <td>7</td> <td>10G Transceivers for Access and Distribution Switches</td> <td>10 Numbers</td> </tr> <tr> <td>8</td> <td>40G Transceivers for Distribution and Core Switches</td> <td>6 Numbers</td> </tr> <tr> <td>9</td> <td>10G Base T SFP+ Ether Modules</td> <td>3 Numbers</td> </tr> <tr> <td>10</td> <td>1G Base T SFP Ether Modules</td> <td>5 Numbers</td> </tr> <tr> <td>11</td> <td>Power Module for 24 /48 Port Access Switch</td> <td>5 Numbers</td> </tr> </tbody> </table>	Sl. No.	Device/Item	Quantity	1	Distribution switch	1 Number	2	Access Switch 48 Port Gigabit PoE+	1 Number	3	Access Switch 48 Port Gigabit and M Gigabit PoE+	1 Number	4	Access Switch 24 Port Gigabit PoE+	2 Numbers	5	Access Switch 24 Port Gigabit and M Gigabit PoE+	1 Number	6	Access Points	5 Numbers	7	10G Transceivers for Access and Distribution Switches	10 Numbers	8	40G Transceivers for Distribution and Core Switches	6 Numbers	9	10G Base T SFP+ Ether Modules	3 Numbers	10	1G Base T SFP Ether Modules	5 Numbers	11	Power Module for 24 /48 Port Access Switch	5 Numbers
			Sl. No.	Device/Item	Quantity																																																									
			1	Distribution switch	1 Number																																																									
			2	Access Switches	5 Numbers																																																									
			3	Access Points	10 Numbers																																																									
			4	10G Transceivers for Access and Distribution Switches	10 Numbers																																																									
			5	40G Transceivers for Distribution and Core Switches	6 Numbers																																																									
			6	Power Module for Access Switch	5 Numbers																																																									
			Sl. No.	Device/Item	Quantity																																																									
			1	Distribution switch	1 Number																																																									
			2	Access Switch 48 Port Gigabit PoE+	1 Number																																																									
3	Access Switch 48 Port Gigabit and M Gigabit PoE+	1 Number																																																												
4	Access Switch 24 Port Gigabit PoE+	2 Numbers																																																												
5	Access Switch 24 Port Gigabit and M Gigabit PoE+	1 Number																																																												
6	Access Points	5 Numbers																																																												
7	10G Transceivers for Access and Distribution Switches	10 Numbers																																																												
8	40G Transceivers for Distribution and Core Switches	6 Numbers																																																												
9	10G Base T SFP+ Ether Modules	3 Numbers																																																												
10	1G Base T SFP Ether Modules	5 Numbers																																																												
11	Power Module for 24 /48 Port Access Switch	5 Numbers																																																												
3	87	4. Access Switch Gigabit 24 / 48 Port POE+	Sl. No. 2: "Shall have a switching capacity of 128/176 Gbps (24/48 ports) and 95/130 Mpps at 64 bytes for providing non-blocking performance."	Sl. No.2 may be read as: "Shall have a switching capacity of 128/176 Gbps (24/48 ports) and 80/112 Mpps at 64 bytes for providing non-blocking performance."																																																										
4	136	Format – 10: Commercial Bid Format	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Description</th> <th>Qty (a)</th> <th>UOM</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>Access Switch 48 Port PoE fully loaded with RJ45 Modules</td> <td>105</td> <td>No.</td> </tr> <tr> <td>4</td> <td>Access Switch 24 Port PoE fully loaded with RJ45 Modules</td> <td>53</td> <td>No.</td> </tr> </tbody> </table>	Sl. No.	Description	Qty (a)	UOM	3	Access Switch 48 Port PoE fully loaded with RJ45 Modules	105	No.	4	Access Switch 24 Port PoE fully loaded with RJ45 Modules	53	No.	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Description</th> <th>Qty (a)</th> <th>UOM</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>Access Switch fully loaded 48 Port gigabit PoE+ with 4 * 10 GIG SFP+ ports</td> <td>65</td> <td>No.</td> </tr> <tr> <td>3A</td> <td>Access Switch 48 Port gigabit of which minimum 8 ports are mgigabit (2.5 / 5 Gig) POE+ with 4 * 10 GIG SFP+ ports. Power supply should meet the full power requirement from day one</td> <td>40</td> <td>No.</td> </tr> <tr> <td>4</td> <td>Access Switch fully loaded 24 Port gigabit PoE+ with 4 * 10 GIG SFP+ ports</td> <td>23</td> <td>No.</td> </tr> <tr> <td>4A</td> <td>Access Switch 24 Port gigabit of which minimum 8 ports are mgigabit (2.5 / 5 Gig) POE+ with 4 * 10 GIG SFP+ ports. Power supply should meet the full power requirement from day one</td> <td>30</td> <td>No.</td> </tr> </tbody> </table>	Sl. No.	Description	Qty (a)	UOM	3	Access Switch fully loaded 48 Port gigabit PoE+ with 4 * 10 GIG SFP+ ports	65	No.	3A	Access Switch 48 Port gigabit of which minimum 8 ports are mgigabit (2.5 / 5 Gig) POE+ with 4 * 10 GIG SFP+ ports. Power supply should meet the full power requirement from day one	40	No.	4	Access Switch fully loaded 24 Port gigabit PoE+ with 4 * 10 GIG SFP+ ports	23	No.	4A	Access Switch 24 Port gigabit of which minimum 8 ports are mgigabit (2.5 / 5 Gig) POE+ with 4 * 10 GIG SFP+ ports. Power supply should meet the full power requirement from day one	30	No.																										
Sl. No.	Description	Qty (a)	UOM																																																											
3	Access Switch 48 Port PoE fully loaded with RJ45 Modules	105	No.																																																											
4	Access Switch 24 Port PoE fully loaded with RJ45 Modules	53	No.																																																											
Sl. No.	Description	Qty (a)	UOM																																																											
3	Access Switch fully loaded 48 Port gigabit PoE+ with 4 * 10 GIG SFP+ ports	65	No.																																																											
3A	Access Switch 48 Port gigabit of which minimum 8 ports are mgigabit (2.5 / 5 Gig) POE+ with 4 * 10 GIG SFP+ ports. Power supply should meet the full power requirement from day one	40	No.																																																											
4	Access Switch fully loaded 24 Port gigabit PoE+ with 4 * 10 GIG SFP+ ports	23	No.																																																											
4A	Access Switch 24 Port gigabit of which minimum 8 ports are mgigabit (2.5 / 5 Gig) POE+ with 4 * 10 GIG SFP+ ports. Power supply should meet the full power requirement from day one	30	No.																																																											
5	87	Access Switch Gigabit 24 /48 Port POE+	<p><b>RFP Description:</b> Must support for 24/48 gigabit POE+ with 4 * 10 GIG SFP+ ports.</p> <p><b>Corrigendum – 2:</b> Must support for 24/48 gigabit and mgigabit POE+ with 4 * 10 GIG SFP+ ports</p>	Must support for 24/48 gigabit and / or mgigabit POE+ with 4 * 10 GIG SFP+ ports																																																										
6	104	10. Online Uninterrupted Power Supply (UPS) - 1 KVA	<table border="1"> <tbody> <tr> <td>6.</td> <td>Minimum VAH (VAH)</td> <td>1008</td> </tr> <tr> <td>13.</td> <td>Efficiency</td> <td>           Converter:97%            Inverter:93.6%         </td> </tr> <tr> <td>14.</td> <td>Operating temperature</td> <td>0 to 45 degree centigrade.</td> </tr> <tr> <td>21.</td> <td>Battery</td> <td>12 volt Sealed Maintenance Free (SMF) batteries. 48 VAH or more for 10 min backup. There should be a single battery bank. There should be no concept of paralleling of the battery bank.</td> </tr> </tbody> </table>	6.	Minimum VAH (VAH)	1008	13.	Efficiency	Converter:97% Inverter:93.6%	14.	Operating temperature	0 to 45 degree centigrade.	21.	Battery	12 volt Sealed Maintenance Free (SMF) batteries. 48 VAH or more for 10 min backup. There should be a single battery bank. There should be no concept of paralleling of the battery bank.	<table border="1"> <tbody> <tr> <td>6.</td> <td>Minimum VAH (VAH)</td> <td>250</td> </tr> <tr> <td>13.</td> <td>Efficiency</td> <td>           Converter: 90% and Above            Inverter: 85% and above         </td> </tr> <tr> <td>14.</td> <td>Operating temperature</td> <td>0 to 40 degree centigrade</td> </tr> <tr> <td>21.</td> <td>Battery</td> <td>12 volt Sealed Maintenance Free (SMF) batteries. 250 VAH or more for 10 min backup. There should be a single battery bank. There should be no concept of paralleling of the battery bank.</td> </tr> </tbody> </table>	6.	Minimum VAH (VAH)	250	13.	Efficiency	Converter: 90% and Above Inverter: 85% and above	14.	Operating temperature	0 to 40 degree centigrade	21.	Battery	12 volt Sealed Maintenance Free (SMF) batteries. 250 VAH or more for 10 min backup. There should be a single battery bank. There should be no concept of paralleling of the battery bank.																																		
6.	Minimum VAH (VAH)	1008																																																												
13.	Efficiency	Converter:97% Inverter:93.6%																																																												
14.	Operating temperature	0 to 45 degree centigrade.																																																												
21.	Battery	12 volt Sealed Maintenance Free (SMF) batteries. 48 VAH or more for 10 min backup. There should be a single battery bank. There should be no concept of paralleling of the battery bank.																																																												
6.	Minimum VAH (VAH)	250																																																												
13.	Efficiency	Converter: 90% and Above Inverter: 85% and above																																																												
14.	Operating temperature	0 to 40 degree centigrade																																																												
21.	Battery	12 volt Sealed Maintenance Free (SMF) batteries. 250 VAH or more for 10 min backup. There should be a single battery bank. There should be no concept of paralleling of the battery bank.																																																												

**Note: Other terms and conditions remains same as per the Notification**

- a. NIMHANS/2020- 21/IND 749 Dated: 09/12/2020.
- b. Addendum/Corrigendum Notification No. STR-D2/EQPT/281/NETWORKING2.0/IT/2020-21 Dt 06/01/2021
- c. Addendum/Corrigendum & Clarification Notification No. STR-D2/EQPT/281/NETWORKING2.0/IT/2020-21 Dt 13/01/2021
- d. Addendum/Corrigendum -2 Notification No. STR-D2/EQPT/281/NETWORKING2.0/IT/2020-21 Dt 25/01/2021

**Sd/-**

**I/c Administrative Officer (S)**

**Purchase section, NIMHANS**

**Annexure-X**

Master Compliance Sheet						
TENDER & CORRIGENDUM DOCUMENT				Compliance Yes / No	Bidders Technical Supporting Documents including data Sheets to be numbered  Total Pages:_____	
Sl. No.	Page No.	Clause No.	Description		Corresponding Supporting Document Page No.	Remarks if any
1	1		Broad Scope of Work			
2	2		Network and Data Center			
3	3		IT Cell			
4	3		Current Network			
5	8		Current Wireless Network			
6	8		Augmentation Necessity			
7	11		Network Revamp			
8	12		Passive Network Survey			
9	15		Objectives			
10	16		Service Requirements			
11	17		Proposed Network Architecture			
12	18		Physical Infrastructure Requirement			
13	20		Wireless Requirements			
14	21		Open Standards			
15	21		Other Requirements			
16	23	1 to 5	Terms & Conditions			
17	24	7	Bid Information			
18	25	10	Technical Bid Documents			
19	26	11 to 12	Price Bid & Evaluation of Bids			
20	27	13	Tender Opening			
21	28	17.1	Pre-Qualification Criteria for Bidder			
22	31	17.2	Pre-Qualification Criteria (OEM) Active Components			
23	32	17.2	Other Items			
24	32	18	Technical Qualification Criteria			
25	34	18	CV Evaluation table			
26	36	19 - 20	Fin Bid Evaluation; Award of Contract			
27	37	21-25	Terms & Conditions			
28	37	26 (1,2)	Terms & Conditions			
29	38	26 (3)	Supply, I & C Cost			
30	39		AT – A; AT – B; FAT			
31	40	27	SLA			
32	46	28	Penalty for delayed Services / LD			
33	47	29 to 32	Training, Merger, Change of Agent, warranty / Support			
34	48	33 to 34	Reference of Supply, PoC			
35	49	35 to 38	Undertaking from Bidders, Repeat Order Clause; Passive Works Maintenance;			
36	49	38	Acceptance of Terms and Conditions			
37	50	41	SLA Document			
38	51	42 to 43	Terms & Conditions			
39	51	44	Right to monitor, Inspection 7 Periodic Audit			
40	52	45 to 47	Terms & Conditions			
41	53	48	Exit Management			

42	54	50	Terms & Conditions			
43	55		Bill of material			
44	57		Managed Services			
45	59		Operation and Management			
46	62		Provision of new LAN/WLAN Connections			
47	63		NMS Monitoring			
48	69		Reporting			
49	70		Technical solution			
50	71		Technical Active Components			
51	74		Active Directory Process & Onboarding			
52	80		QoS and Online UPS			
53	81		NMS			
54	82		H/W for Servers, NAC			
55	83		Way Finder Navigation App			
56	84		Format-1 Technical Compliance - Active			
57	109		Technical - Passive			
58	113		Format-2 Technical Compliance - Passive			
59	129		Format-3 Specification of Physical Components			
60	130		Format-4 Specification of IT Components			
61	131		Format-5 Manpower Details			
62	132		Format-6 Project Experience			
63	133		Format-7 Eligibility Experience			
64	134		Format-8 Turnover Certificate			
65	135		Format-9 Deviation from Tender Terms & Conditions			
66	136		Format-10 Commercial Bid for Active			
67	144		Format-11 Declaration			
68	145		Format-12 Checklist			
69	146		Acronyms			
70	148		Definitions			
71			Annexure A1 to A7			
72			Annexure B1 to B3			
73			Corrigendum – 1 to 3			

**Seal & Signature of the Bidder**