



Terms of Reference for Storage & Backup Solution with additional Network Equipment

(ANNEXURE I)



Contents

1. LOT I (Package: Supply, Installation, configuration of backup & storage solution)	3
1.1 Storage Specification for production:	3
1.2 Storage Specification for Backup:	5
1.3 SAN SWITCH	6
1.4 Scope of work LOT I	7
2. LOT II (Installation, Supply, & Configuration of Network Equipment)	8
2.1 Access Point (Long Range).....	8
2.2 Access Point (short Range).....	9
2.3 Scope of work LOT II.....	9
3. LOT III (Installation, Supply, & Configuration of Air Conditioner)	10
3.1 Air Conditioner (Wall mount).....	10
3.2 Portable Conditioner	10
3.2 Scope of work LOT III	11
4. Eligibility Criteria 4.1 LOT I (Supply, Installation, Configuration of Backup & Storage solution) .	11
4.2 LOT II & III (Supply & Installation of Network equipment & Air Conditioner).....	11
5. Evaluation Criteria (Lot I)	12
Annexure:.....	15
Annexure I: FORM TECH I: Consultant’s Organization and Experiences	15
Annexure II: FORM TECH II: Curriculum Vitae (CV) for Proposed Professional Staff	16



1. LOT I

(Package: Supply, Installation, configuration of backup & storage solution)

Sl No	Description	Qty
1	Storage for Production Data (25TB usable space after RAID 6 and with one hotspare drive)	1
2	Storage for Backup Data (NL-SAS DISK) (50TB usable space after RAID 6 with one hotspare drive)	1
3	San Switch (Minimum 24 active port , populated with Shortwave SFP Transceiver with required license)	1
4	Dual-port 16G FC HBA card for servers. (compatible with Dell PowerEdge R740)	4
5	Lump sum Implementation.	1
6	Rack minimum 42U standard rack with 2 smart PDU	1
7	32 GB of DDR4-2933 MHz or higher MHz, Dual Rank, ECC Registered DIMM (compatible with Dell PowerEdge R740)	12 Nos.
8	Proxmox Backup Configuration (Backup policy to be discussed during the implementation)	1

1.1 Storage Specification for production:

Sn	Feature	Description
1	Storage Quality Certification	The Storage OEM should be established in the Gartner or any other equivalent global research firm for the last five years.
2	Storage Controller	The Storage Solution should be based on dual controllers in active-active mode configured in a NSPOF offering data assurance as per T10-PI standard and End-to-End Data Protection.
3	Cache required	The system should have minimum 32 GB cache memory across the two controllers with an ability to protect data on cache if there is a controller failure or power outage. The cache on the storage should have 72hrs or more battery backup (OR) should have de-staging capability to either flash/disk or also offer extended cache based on SSD with the facility to allow changing of cache block size non-disruptively for defined RAID group levels to meet various kind of workload.
4	Protocols	The storage should be configured with FCP & iSCSI protocols. Any hardware/software required for this functionality shall be supplied along with it in No Single Point Of Failure mode.
5	RAID configuration	Should support various RAID levels 0, 10, 5, 6
6	Storage Capacity	Minimum 25 TB usable in RAID 6 on 1.8 TB SAS HDD. At least 2% of the usable capacity requested on each tier should be configured as spare drives with the subsequent disk types. The required number hard disks for parity & spares, should be provided exclusively of the usable capacity mentioned after consider RAID and Filesystem overhead.
7	Drive Support	The system must support dual ported drives to meet the capacity and performance requirements of the applications. The system must support a minimum of a 150 disks per two controllers for scalability purpose.
8	Front-End and Backend connectivity	The proposed storage system should have minimum 4 numbers of 12Gbps or higher backend SAS ports, 4 Nos. of 10 GB Base T & 4 nos. of 16 GB FC ports available across storage system.



9	Rack Mountable	The storage should be supplied with rack mount kit. All the necessary patch cords (Ethernet and Fiber) shall be provided and installed by the vendor.
10	Storage functionality and Availability	The storage shall have the ability to expand LUNS/Volumes on the storage online and instantly.
		Storage system should be capable of automatically adjusting volume controller ownership without any manual intervention to correct any load imbalance issues. In other words incoming I/O traffic from the hosts must dynamically and balanced across both controllers.
		The storage shall have the ability to create logical volumes without physical capacity being available or in other words system should allow over-provisioning of the capacity. (thin provisioning) The license required for the same shall be supplied for the maximum supported capacity of the offered storage model.
		The required number of HDD and SSD's for parity & spares, should be provided exclusively of the usable capacity mentioned after considering RAID and Filesystem overhead. At least 2% of the usable capacity requested on each tier should be configured as spare drives with the subsequent disk types.
		Storage system should support RAID level distributing data across multiple Disk to ensure faster rebuild time.
		The offered system should supports a REST API, open source orchestration and facility of configuration management for easy integration and automation in traditional IT and Windows ecosystems.
		System should have redundant hot swappable components like controllers, disks, power supplies, fans etc.
	The proposed system should support various security features such as encrypted drives (FDE/FIPS) , internal and external encryption key management (KMIP-compliant), Role-based access control , audit log, LDAP support, Multi-Factor Authentication.	
11	Point-in-times images	The storage should have the requisite licenses to create point-in-time snapshots. The storage should support minimum 512 snapshots .The license proposed should be for the complete supported capacity of the system. Should also include replication licenses (Sync and Async) for entire capacity of the system.
12	Management	Easy to use GUI based administration interface for configuration, storage management and performance analysis tools. The proposed storage should provide Proactive monitoring of the health of the system and configurable automated delivery of replacement drives when failures occur.
13	OS support	Support for industry-leading Operating System platforms including: LINUX , Microsoft Windows, IBM-AIX, Oracle Solaris, Oracle Enterprise Linux, etc. It shall support connecting hosts over iSCSI or FC and shall be supplied with any Multipathing software, if required, with the solution.
14	Warranty & SLA	The Hardware and software should be quoted with 2 options: 1) 1 year support 2) 3 Years support
15	MAF	Required



1.2 Storage Specification for Backup:

Sl.No	Feature	Description
1	Storage Quality Certification	The Storage OEM should be established in the Gartner or any other equivalent global research firm for the last five years.
2	Storage Controller	The Storage Solution should be based on dual controllers in active-active mode configured in a NSPOF offering data assurance as per T10-PI standard and End-to-End Data Protection.
3	Cache required	The system should have minimum 32 GB cache memory across the two controllers with an ability to protect data on cache if there is a controller failure or power outage.
		The cache on the storage should have 72hrs or more battery backup (OR) should have destaging capability to either flash/disk or also offer extended cache based on SSD with the facility to allow changing of cache block size non-disruptively for defined RAID group levels to meet various kind of workload.
5	Protocols	The storage should be configured with FCP & iSCSI protocols. Any hardware/software required for this functionality shall be supplied along with it in No Single Point Of Failure mode.
6	RAID configuration	Should support various RAID levels 0, 10, 5, 6.
7	Storage Capacity	Minimum 50TiB usable in RAID 6 on 12 TB NL-SAS. At least 2% of the usable capacity requested on each tier should be configured as spare drives with the subsequent disk types. The required number hard disks for parity & spares, should be provided exclusively of the usable capacity mentioned after considering RAID and Filesystem overhead. With option to scale up for future provision. With additional free slot for future expansion.
8	Drive Support	The system must support dual ported drives to meet the capacity and performance requirements of the applications. The system must support a minimum of a 150 disks per two controllers for scalability purpose
9	Front-End and Backend connectivity	The proposed storage system should have minimum 4 numbers of 12Gbps or higher backend SAS ports, 4 Nos. of 10 GB Base T & 4 nos. of 10GbE SFP+ ports available across storage system.
10	Rack Mountable	The storage should be supplied with rack mount kit. All the necessary patch cords (Ethernet and Fiber) shall be provided and installed by the vendor.
11	Storage functionality and Availability	The storage shall have the ability to expand LUNS/Volumes on the storage online and instantly.
		Storage system should be capable of automatically adjusting volume controller ownership without any manual intervention to correct any load imbalance issues. In other words incoming I/O traffic from the hosts must dynamically managed and balanced across both controllers.
		The storage shall have the ability to create logical volumes without physical capacity being available or in other words system should allow over-provisioning of the capacity. The license required for the same shall be supplied for the maximum supported capacity of the offered storage model.
		The required number of HDD and SSD's for parity & spares, should be provided exclusively of the usable capacity mentioned after consider RAID and Filesystem overhead. At least 2% of the usable capacity requested on each tier should be configured as spare drives with the subsequent disk types.
		Storage system should support RAID level distributing data across multiple Disk to ensure faster rebuild time.
		The offered system should supports a REST API, open source orchestration and facility of configuration management for easy integration and automation in traditional IT and Windows ecosystems.
System should have redundant hot swappable components like controllers, disks, power supplies, fans etc.		



		The proposed system should support various security features such as encrypted drives (FDE/FIPS) , internal and external encryption key management (KMIP-compliant), Role-based access control , audit log, LDAP support, Multi-Factor Authentication.
12	Point-in-times images	The storage should have the requisite licenses to create point-in-time snapshots. The storage should support minimum 512 snapshots .The license proposed should be for the complete supported capacity of the system. Should also include replication licenses (Sync and Async) for entire capacity of the system.
13	Management	Easy to use GUI based administration interface for configuration, storage management and performance analysis tools. The proposed storage should provide Proactive monitoring of the health of the system and configurable automated delivery of replacement drives when failures occur.
14	OS support	Support for industry-leading Operating System platforms including: LINUX, Microsoft Windows, IBM-AIX, Oracle Solaris, Oracle Enterprise Linux, etc. It shall support connecting hosts over iSCSI or FC and shall be supplied with any Multipathing software, if required, with the solution.
15	Warranty & SLA	The Hardware and software should be quoted with 2 options: 1) 1 year support 2) 3 Years support
16	MAF	Required

1.3 SAN SWITCH

SN	Name of Item or Related Service	Technical Specification and Standards
1	Chassis	To be mentioned by bidder
2	Power Supply	Dual power supply
3	Fiber channel ports	Twenty-Four (24) 32Gbps Shortwave SFP Transceiver with required license should be configured. SAN Switch should be upgrade able up to minimum 32 Ports or more
4	Characteristics of port	All port modules shall support hot-swappable Small Form Factor Pluggable (SFP) LC typed transceivers that are interchangeable for 4, 8, 16, 32 Gbps Fiber Channel ports.
5	Port Speed	All 4/8/16/32 Gbps auto-sensing Fiber Channel ports must support the following port types: (E, F and FL) with SFP/LC optical interfaces.
6	Zoning	The switch must support hard and soft zoning. The switch must support safe zoning mode to prevent unintended results when merging switches and zone sets.
7	Port features	It shall support self-discovery of devices and auto negotiate to the speed of the device or the switch port connected.
8	Base fabric switch	Fixed rack-mount rail kit, install guide hard copy, Switch Setup, wrist strap and small form-factor pluggable (SFP) extraction tool etc.
9	Management and communication port	Switch shall have integrated Ethernet and Serial port for management and Communication.
10	FC Cable	24 units of LC/LC FC cables (24 x 5m) should be included
11	Warranty	The Hardware and software should be quoted with 2 options 1)1 year support 2) 3 Years support
12	MAF	Required

Note: all devices must be supplied with C13-C14 power cables, for details please visit the site.



1.4 Scope of work LOT I

1. The bidder should supply, install and configure Proxmox virtualization software and virtualization manager.
2. The virtualization environment should be in a robust and HA/failover state.
3. The bidder should be responsible for all the network related work for configuration of the storage & backup solution.
4. The bidder should install the HBA cards in the servers.
5. The bidder should install and configure virtual machines & migrate existing services (VMs).
6. The physical servers should be configured in a single cluster.
7. The bidder should install, configure and integrate server, storage and san switches as per TTPL's requirement.
8. The bidder should create RAID groups, LUN and volumes for storage as per TTPL's requirement.
9. The bidder should install and configure Proxmox backup software and integrate with Backup storage & servers.
10. The bidder should configure backup policy as per TTPL's requirement.
11. The Bidder should bring all the accessories required for Installation.
12. The bidder should involve TTPL's team in all the above task and also conduct proper knowledge transfer.
13. The bidder must submit methodology & work plan.
14. The bidder must provide copy of valid trade license & tax clearance.
15. The bidder must visit the site. **(Mandatory)**



2. LOT II (Installation, Supply, & Configuration of Network Equipment)

Sl No	Description	Qty
1	Access Point Long range (Preferred Ubiquiti) Bidder can bid for device equivalent or more, with wireless controller feature (wall mount)	1
2	Access Point Short range (Preferred Ubiquiti) Bidder can bid for device equivalent or more, with wireless controller feature.(wall mount)	4

2.1 Access Point (Long Range)

Sn	Features	Description
1.1	Networking interface	(1) GbE RJ45 port
1.2	Management interface	Ethernet/ Bluetooth
1.3	Power method	PoE+Passive PoE, 48V
1.4	Supported voltage range	44—57V DC
1.5	Max. power consumption	18.5W
1.6	Max. TX power 2.4 GHz 5 GHz	26 dBm 26 dBm
1.7	MIMO 2.4 GHz 5 GHz	4 x 4 4 x 4
1.8	Throughput rate 2.4 GHz 5 GHz	600 Mbps 2400 Mbps
1.9	Antenna gain 2.4 GHz 5 GHz	4 dBi 5.5 dBi
1.10	LEDs	White/blue
1.11	Button	Factory reset
1.12	Mounting	Wall, ceiling (Included)
1.13	Ambient operating temperature	-30 to 60° C (-22 to 140° F)
1.14	Ambient operating humidity	5 to 95% noncondensing
1.15	Certifications	CE, FCC, IC
1.16	WiFi standards	802.11a/b/g/n/ac/ax
1.17	Wireless security	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3)
1.18	BSSID	8 per radio
1.19	VLAN	802.1Q
1.20	Advanced QoS	Per-user rate limiting
1.21	Guest traffic isolation	Supported
1.22	Concurrent clients	350+
1.23	MAF	Required



2.2 Access Point (short Range)

Sn	Features	Description
1.1	Networking interface	(1) GbE RJ45 port
1.2	Management interface	Ethernet/ Bluetooth
1.3	Power method	PoE
1.4	Supported voltage range	44—57V DC
1.5	Max. power consumption	18.5W
1.6	Max. TX power 2.4 GHz 5 GHz	26 dBm 26 dBm
1.7	MIMO 2.4 GHz 5 GHz	2 x 2 (UL MU-MIMO) 4 x 4 (DL/UL MU-MIMO)
1.8	Throughput rate 2.4 GHz 5 GHz	573.5 Mbps 4.8 Gbps
1.9	Antenna gain 2.4 GHz 5 GHz	4 dBi 6 dBi
1.10	LEDs	White/blue
1.11	Button	Factory reset
1.12	Mounting	Wall, ceiling (Included)
1.13	Ambient operating temperature	-30 to 60° C (-22 to 140° F)
1.14	Ambient operating humidity	5 to 95% noncondensing
1.15	Certifications	CE, FCC, IC
1.6	WiFi standards	802.11a/b/g/n/ac/ax
1.7	Wireless security	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3
1.8	BSSID	8 per radio
1.9	VLAN	802.1Q
1.20	Advanced QoS	Per-user rate limiting
1.21	Guest traffic isolation	Supported
1.22	Concurrent clients	350+
1.23	Zero wait DFS	Yes*
1.24	MAF	Required

2.3 Scope of work LOT II

1. The Bidder should supply, install and configure the Aps.
2. The Bidder should configure the SSID.
3. The Bidder should broadcast the same SSID in all the Aps.
4. The Bidder should bring all the accessories required for Installation.



3. LOT III (Installation, Supply, & Configuration of Air Conditioner)

Sl No	Description	Qty	Remarks
1	Air Conditioner (wall mount)	1	(Bidder should quote for both, TTPL will decide on which one to procure) Preferred: Blue Star model IC524DNUR (wall mount) or PC12DB (portable). Bidder can quote for equivalent or more.
2	Portable AC		

3.1 Air Conditioner (Wall mount)

Sn	Features	Description
1	Type	Split
2	Capacity	2 Ton
3	Installation Type	Wall Mount
4	Mode	Auto , Cool, Fan,Dry
5	Max. power consumption	18.5W
6	Convertible Mode	Yes
7	Humidity Control	Yes
8	Air Flow Volume	850 CFM
9	Cooling Capacity	6100 Watt
10	Inverter Technology	Yes
11	Rating	5 Star BEE Rating
12	Compressor	Inverter Rotary
13	Dehumidification	Yes
14	Remote Control	Yes
15	Refrigerant	R-32
16	Turbo Mode	Yes
17	Operating modes	Auto Mode, Cool Mode, Fan Mode, Dry Mode, Eco Mode, Sleep Mode, Turbo Mode
18	Condenser Coil	Copper
19	Panel Display	LED
20	Air Flow Direction	4 Way Air Direction

3.2 Portable Conditioner

Sn	Features	Description
1	Type	Split
2	Capacity	Min 1 Ton
3	Special Feature	Auto Restart With Memory Function, Turbo Cooling, Evaporator Fins-Hydrophilic-Blue, Special PCB Metal Enclosure, dust_filter, anitibacterial_config
4	Mode	Auto , Cool, Fan,Dry
5	Cooling Capacity	Min 3590 Watt
6	Inverter Technology	Yes



3.2 Scope of work LOT III

1. The bidder should supply, install & configure the AC.
2. The bidder should provide all the accessories required for the installation.
3. The bidder should carry out all the work related to the installation.

4. Eligibility Criteria

4.1 LOT I

(Supply, Installation, Configuration of Backup & Storage solution)

1. The bidder should provide Manufacturer Authorization Form (MAF) from the OEM. Failure to submit the MAF from the OEM will be considered as non-responsive and will be rejected.
2. The bidder should submit audited financial statement of at least last 3 years.
3. The bidder should submit CVs of expert personnel with supporting documents.
4. The bidder should have at least one virtualization and storage certified engineer with a similar work experience.
5. The bidder should have at least one experienced network engineer who will carry out the network activity during the project implementation.
6. The bidder should have deployed at least 5 similar types of project.
7. Joint venture and consortium will not be allowed.
8. The bidder should have at least one backup solution engineer with a similar work experiences.
9. The bidder should provide Valid Trade license & Tax Clearance.
10. The bidder should provide Datasheet.
11. The bidder must visit the site **(MANDATORY)**.

4.2 LOT II & III

(Supply & Installation of Network equipment & Air Conditioner)

1. The bidder should provide Manufacturer Authorization Form (MAF) from the OEM. Failure to submit the MAF from the OEM will be considered as non-responsive and will be rejected.
(Mandatory for LOT 2)
2. The bidder should have deployed minimum of 5 similar types of projects.
3. The bidder should provide Valid Trade license & Tax Clearance.
4. The bidder should provide Datasheet.
5. The bidder must visit the site **(Mandatory for LOT 3)**

Note: All the devices should have minimum warranty of one year.



Existing Device

Sn	Particular	Model Number	Brand	QTY
1	Server high end	PowerEdge R740	Dell	2
2	Server low end	PowerEdge R740	Dell	2
3	NAS	TS6400R5A9(TS6400R)	Buffalo	1
4	Network switch	Catalyst 1000 series	Cisco	3
5	Firewall	quantum 1800	CheckPoint	1

5. Evaluation Criteria (LOT I)

The bidders will be evaluated based on the following evaluation criteria for Lot I:

Sl. No	Criteria	Points Allocated	Maximum Score
1	Specific experience of the bidder/firm relevant to the assignment <i>Note: Submit as per the format (Annexure I)</i>		10
	<ul style="list-style-type: none"> • Have deployed at least 5 similar types of project (10 Points) • Have deployed less than 5 similar types of project (0 Points) 	10	
2	Adequacy of the proposed methodology and work plan in responding to the Terms of Reference		45
	2.1 Technical Approach and Methodology <ul style="list-style-type: none"> • Very Good (25 Points) • Good (20 Points) • Satisfactory (15 Points) • Poor (10 Points) 	25	
	2.2 Work Plan <ul style="list-style-type: none"> • Very Good (20 Points) • Good (15 Points) • Satisfactory (7 Points) 	20	
3	Key Professional staff qualifications and competence for the Assignment <i>Bidder shall submit Curriculum Vitae (CV) as per the format (Annexure I)</i>		45
	3.1 Virtualization & storage certified Engineer	20	
	a) Qualification - Master/Bachelor's degree in IT/Computer Science or a relevant field	5	
	b) Experience – Professional experiences in similar works/projects <ul style="list-style-type: none"> • 5 and Above Works (15 Points) • Up to 4 Works (10 Points) • Up to 3 Works (7 Points) • Up to 2 Works (5 Points) 	15	
	3.2 Network Engineer	7	
	a) Qualification - Master/Bachelor's degree in IT/Computer Science or a relevant field	3	



b) Experience – Professional experiences in similar works/projects <ul style="list-style-type: none">• 3 and Above Works (4 Points)• Up to 2 Works (2 Points)	4	
3.3 Backup Solution Engineer	15	
a) Qualification - Master/Bachelor’s degree in IT/Computer Science or a relevant field	5	
b) Experience – Professional experiences in similar works/projects <ul style="list-style-type: none">• 5 and Above Works (10 Points)• Up to 4 Works (8 Points)• Up to 3 Works (6 Points)• Up to 2 works (4 Points)	10	
3.4 Technician	3	
a) Qualification - Diploma/ VTI/Certified in a relevant field	1	
b) Experience – Professional experiences in similar works/projects <ul style="list-style-type: none">• 3 and Above Works (2 Points)• Less than 3 works (0 Points)	2	
Total		100

Minimum scored required to qualify through the technical proposal is: **65 Points**

The formula for determining the financial scores is the following:

$Sf = 100 \times Fm/F$, in which Sf is the financial score, Fm is the lowest price and F is the price of the proposal under consideration.

The weights given to the Technical and Financial Proposals are:

Technical Weightage = 60% and

Financial Weightage = 40%

Note: All the key professional staffs mentioned shall be submitted and supported by relevant documents. Non-submission of documents shall be considered as non-responsive.



The **Definition** of **Sub-criteria** under “**Adequacy of the proposed methodology and Work Plan**” are stated below:

a. Technical Approach and Methodology:

Poor: The technical approach and / or methodology are inappropriate or very poorly presented, indicating that the bidder has misunderstood important aspects of the scope of the work.

Satisfactory: The Way to carry out the different activities of the TOR is discussed generically. The approach is standard and not specifically tailored to the assignment.

Good: The proposed approach is discussed in full details, and the methodology is specifically tailored to the characteristics of the assignment and flexible enough to allow its adaptation to changes that may occur during the execution of the work.

Very Good: In addition to the requirements listed above “Good”, important issues are approached in an innovative and efficient way, indicating that the consultants have understood the main issues of the assignment and have outstanding knowledge of new solutions. The proposal details ways to improve the results and the quality of the assignment by using state-of-the-art approaches, methodologies and knowledge.

b. Work Plan:

Satisfactory: The activity schedule omits important tasks; the timing of activities and correlation among them is inconsistent with the approach and / or methodology proposed. There is lack of clarity and logic in the sequencing.

Good: All key activities are included in the activity schedule, but they are not detailed. There are minor inconsistencies between timing, assignment outputs, and proposed approach.

Very Good: The work plan fits the TOR well, all important activities are indicated in the activity schedule and their timing is appropriate and consistent with the assignment outputs; and the interrelation between the various activities is realistic and consistent with proposed approach.



Annexure:

Annexure I: FORM TECH I: Consultant’s Organization and Experiences

A - Consultant’s Organization

[Provide here a brief description of the background and organization of your firm/ entity and each associate for this assignment.]

A brief description of the Consultant’s organization and an outline of the recent experience of the Consultant on assignments of a similar nature is required. In the case of a joint venture/consortium/association, this information should be provided for each partner. For each assignment, the outline should indicate the names of Sub-Consultants/Professional staff who participated, the duration of the assignment, the Contract amount, and the Consultant’s involvement. Information should be provided only for those assignments for which the Consultant was legally contracted by the Company as a corporation or as one of the major firms within a joint venture/consortium/association. Assignments completed by individual Professional staff working privately or through other consulting firms cannot be claimed as the experience of the Consultant, or that of the Consultant’s associates, but can be claimed by the Professional staff themselves in their CVs.

B - Consultant’s Experience

[Using the format below, provide information on each assignment for which your firm, and each associate for this assignment, was legally contracted either individually as a corporate entity or as one of the major companies within an association, for carrying out consulting services similar to the ones requested under this assignment. Use 20 pages maximum, listing in the order of most recent first.]

Firm’s Name:

Assignment Name:	<i>Approx. value of the contract (in BTN):</i>
Company: Address:	<i>Duration of Assignment (months):</i>
	<i>Total number of staff months of the assignments:</i>
	<i>Approximate value of the services provided by your firm under the contract (BTN)</i>
Start date (month/year): Completion date (month/year):	<i>No. of professional staff-months provided by associated Consultants:</i>
Name of associated Consultants, if any:	<i>Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as Project Director/ Coordinator, Tema Leader):</i>
Narrative description of Project:	
Description of actual services provided by your staff within the assignment:	



Annexure II: FORM TECH II: Curriculum Vitae (CV) for Proposed Professional Staff

1. Proposed Position [*only one candidate shall be nominated for each position*]: _____

2. Name of Firm [*Insert name of firm proposing the staff*]: _____

3. Name of Staff [*Insert full name*]: _____

4. Date of Birth: _____ Nationality: _____

5. Education [*Indicate college/ university and other specialized education of staff member, giving names of institutions, degrees obtained, and dates of obtainment*]: _____

6. Membership of Professional Associations: _____

7. Other Training [*Indicate significant training since degrees under 5 - Education were obtained*]: _____

8. Countries of Work Experience: [*List countries where staff has worked in the last ten years*]: _____

9. Languages [*For each language indicate proficiency: good, fair, or poor in speaking, reading, and writing*]: _____

10. Employment Record [*Starting with present position, list in reverse order every employment held by staff member since graduation, giving for each employment (see format here below):*

dates of employment, name of employing organization, positions held.]:

From [Year]_____: To [Year]: _____

Employer: _____

Positions held: _____



<p>11. Detailed Tasks Assigned</p> <p><i>[List all tasks to be performed under this assignment]</i></p>	<p>12. Works Undertaken that Best Illustrates Capability to Handle the Tasks Assigned</p> <p><i>[Among the assignments in which the staff has been involved, indicate the following information for those assignments that best illustrate staff capability to handle the tasks listed under point 11.]</i></p> <p>Name of assignment or project: _____</p> <p>Year: _____</p> <p>Location: _____</p> <p>Company: _____</p> <p>Main Project Features: _____</p> <p>Positions Held: _____</p> <p>Activities performed: _____</p>
---	---

13. Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications and my experience. I understand that any willful misstatement herein may lead to my disqualification or dismissal, if engaged.

Date: _____

[Signature of staff member or authorized representative of the staff] *Day/Month/Year*

Full name of authorized representative:
