

## Specifications Submission and Compliance Sheet (Form PG4-4)

Invitation for Tender No: NESCO/PD-SMP/2019-2020/152

Date: 18.12.2019

Tender Package No: 02      Package      Supply, Installation, Testing & Commissioning of Smart  
Description:      Pre-Payment Meter with Related Services on Turn Key Basis  
for NESCO Ltd.

### Specifications of Server for HES (Head End System)

SI No.	Name of the Item	Required Specifications
1a.	Name of the manufacturer	To be mentioned
1b.	Brand and model	To be mentioned
2.	Place of manufacture	To be mentioned
3.	Manufacture date	To be mentioned
4.	Country of origin	To be mentioned
5.	Microprocessor	2*Intel Xeon Silver 4110 2.1G, 8C/16T, 9.6GT/s 2UPI, 11M Cache, Turbo, HT (85W) DDR4-2400
6.	RAM	64GB RAM
7.	Storage	4 x 1.2TB 10K RPM SAS 12Gbps
8.	Disc controller	12Gbps SAS and 6Gbps SATA PCI-Express 3.0 supports 32 HDDs and RAID- 0, 1, 5, 6, 10, 50, 60 with 2 GB NV on-board memory
9.	Graphics	1. SVGA graphics controller with dedicated graphics memory and 15-pin VGA port 2. Resolution: 1,600 x 1,200 x 16 bits over the VGA port and 1,024 x 768 when accessed remotely
10.	I/O	1. Two 1/10 Gb copper Ethernet ports 2. Two 10 Gb optical Ethernet ports (SFP) or 16 Gb fibre-channel ports 3. Six USB ports 4. Six PCIe 3.0 slots supports LP-PCIe cards including Ethernet, InfiniBand, FC, FCoE, and SAS HBAs and preferably a dedicated disc controller card slot 5. RJ45 serial management port
11.	Power supply	Two hot-swappable and redundant power supplies rated input voltage of 120 to 240V AC and 80-Plus-Platinum (91%) efficiency
12.	Operating systems and utility software with 3 Year License	1. 64 bit server operating systems: Latest stable release with high-availability clustering and virtualization support including lifetime user and long-term upgrade license 2. Utility software: Monitoring, alert, security and management 3. All hardware drivers 4. Manuals and documentation
13.	Spares	One SAS HDD 2.5-inch 1.8TB

[The Tenderer should complete all the columns as required]

Signature:

Signature

Name & Designation of Tenderer

Name and Designation of Manufacturer

Duly authorized to sign the Tender for and on behalf of the Tender

## GUARANTEED TECHNICAL PARTICULARS (GTP) of Server for HES (Head End System)

(To be filled up and signed by the Manufacturer & Tenderer, otherwise the offer will not be acceptable)

Sl no.	Name of the Item	Required Specifications	Full Technical Specification & Standard (to be mentioned)
1a.	Name of the manufacturer	To be mentioned	
1b.	Brand and model	To be mentioned	
2.	Place of manufacture	To be mentioned	
3.	Manufacture date	To be mentioned	
4.	Country of origin	To be mentioned	
5.	Microprocessor	2*Intel Xeon Silver 4110 2.1G, 8C/16T, 9.6GT/s 2UPI, 11M Cache, Turbo, HT (85W) DDR4-2400	
6.	RAM	64GB RAM	
7.	Storage	4 x 1.2TB 10K RPM SAS 12Gbps	
8.	Disc controller	12Gbps SAS and 6Gbps SATA PCI-Express 3.0 supports 32 HDDs and RAID- 0, 1, 5, 6, 10, 50, 60 with 2 GB NV on-board memory	
9.	Graphics	1. SVGA graphics controller with dedicated graphics memory and 15-pin VGA port 2. Resolution: 1,600 x 1,200 x 16 bits over the VGA port and 1,024 x 768 when accessed remotely	
10.	I/O	1. Two 1/10 Gb copper Ethernet ports 2. Two 10 Gb optical Ethernet ports (SFP) or 16 Gb fibre-channel ports 3. Six USB ports 4. Six PCIe 3.0 slots supports LP-PCIe cards including Ethernet, Infini Band, FC, FCoE, and SAS HBAs and preferably a dedicated disc controller card slot 5. RJ45 serial management port	
11.	Power supply	Two hot-swappable and redundant power supplies rated input voltage of 120 to 240V AC and 80-Plus-Platinum (91%) efficiency	
12.	Operating systems and utility software with 3 Year License	1. 64 bit server operating systems: Latest stable release with high-availability clustering and virtualization support including lifetime user and long-term upgrade license 2. Utility software: Monitoring, alert, security and management 3. All hardware drivers 4. Manuals and documentation	
13.	Spares	One SAS HDD 2.5-inch 1.8TB	

[The Tenderer should complete all the columns as required]

Signature:

Signature

Name & Designation of Tenderer

Name and Designation of Manufacturer

Duly authorized to sign the Tender for and on behalf of the Tender

## Specifications Submission and Compliance Sheet (Form PG4-4)

Invitation for Tender No: NESCO/PD-SMP/2019-2020/159

Date: 23.12.2019

Tender Package No: 03      Package      Supply, Installation, Testing & Commissioning of Smart  
 Description:      Pre-Payment Meter with Related Services on Turn Key Basis  
 for NESCO Ltd.

### Specifications of Server for HES (Head End System)

SI No.	Name of the Item	Required Specifications
1a.	Name of the manufacturer	To be mentioned
1b.	Brand and model	To be mentioned
2.	Place of manufacture	To be mentioned
3.	Manufacture date	To be mentioned
4.	Country of origin	To be mentioned
5.	Microprocessor	2*Intel Xeon Silver 4110 2.1G, 8C/16T, 9.6GT/s 2UPI, 11M Cache, Turbo, HT (85W) DDR4-2400
6.	RAM	64GB RAM
7.	Storage	4 x 1.2TB 10K RPM SAS 12Gbps
8.	Disc controller	12Gbps SAS and 6Gbps SATA PCI-Express 3.0 supports 32 HDDs and RAID- 0, 1, 5, 6, 10, 50, 60 with 2 GB NV on-board memory
9.	Graphics	1. SVGA graphics controller with dedicated graphics memory and 15-pin VGA port 2. Resolution: 1,600 x 1,200 x 16 bits over the VGA port and 1,024 x 768 when accessed remotely
10.	I/O	1. Two 1/10 Gb copper Ethernet ports 2. Two 10 Gb optical Ethernet ports (SFP) or 16 Gb fibre-channel ports 3. Six USB ports 4. Six PCIe 3.0 slots supports LP-PCIe cards including Ethernet, InfiniBand, FC, FCoE, and SAS HBAs and preferably a dedicated disc controller card slot 5. RJ45 serial management port
11.	Power supply	Two hot-swappable and redundant power supplies rated input voltage of 120 to 240V AC and 80-Plus-Platinum (91%) efficiency
12.	Operating systems and utility software with 3 Year License	1. 64 bit server operating systems: Latest stable release with high-availability clustering and virtualization support including lifetime user and long-term upgrade license 2. Utility software: Monitoring, alert, security and management 3. All hardware drivers 4. Manuals and documentation
13.	Spares	One SAS HDD 2.5-inch 1.8TB

[The Tenderer should complete all the columns as required]

Signature:

Signature

Name & Designation of Tenderer

Name and Designation of Manufacturer

Duly authorized to sign the Tender for and on behalf of the Tender

**GUARANTEED TECHNICAL PARTICULARS (GTP) of Server for HES (Head End System)***(To be filled up and signed by the Manufacturer & Tenderer, otherwise the offer will not be acceptable)*

Sl no.	Name of the Item	Required Specifications	Full Technical Specification & Standard (to be mentioned)
1a.	Name of the manufacturer	To be mentioned	
1b.	Brand and model	To be mentioned	
2.	Place of manufacture	To be mentioned	
3.	Manufacture date	To be mentioned	
4.	Country of origin	To be mentioned	
5.	Microprocessor	2*Intel Xeon Silver 4110 2.1G, 8C/16T, 9.6GT/s 2UPI, 11M Cache, Turbo, HT (85W) DDR4-2400	
6.	RAM	64GB RAM	
7.	Storage	4 x 1.2TB 10K RPM SAS 12Gbps	
8.	Disc controller	12Gbps SAS and 6Gbps SATA PCI-Express 3.0 supports 32 HDDs and RAID- 0, 1, 5, 6, 10, 50, 60 with 2 GB NV on-board memory	
9.	Graphics	1. SVGA graphics controller with dedicated graphics memory and 15-pin VGA port 2. Resolution: 1,600 x 1,200 x 16 bits over the VGA port and 1,024 x 768 when accessed remotely	
10.	I/O	1. Two 1/10 Gb copper Ethernet ports 2. Two 10 Gb optical Ethernet ports (SFP) or 16 Gb fibre-channel ports 3. Six USB ports 4. Six PCIe 3.0 slots supports LP-PCIe cards including Ethernet, Infini Band, FC, FCoE, and SAS HBAs and preferably a dedicated disc controller card slot 5. RJ45 serial management port	
11.	Power supply	Two hot-swappable and redundant power supplies rated input voltage of 120 to 240V AC and 80-Plus-Platinum (91%) efficiency	
12.	Operating systems and utility software with 3 Year License	1. 64 bit server operating systems: Latest stable release with high-availability clustering and virtualization support including lifetime user and long-term upgrade license 2. Utility software: Monitoring, alert, security and management 3. All hardware drivers 4. Manuals and documentation	
13.	Spares	One SAS HDD 2.5-inch 1.8TB	

[The Tenderer should complete all the columns as required]

Signature

Signature:

Name and Designation of Manufacturer

Name &amp; Designation of Tenderer

Duly authorized to sign the Tender for and on behalf of the Tender