

Bid Document

Bid Details	
Bid End Date/Time	27-07-2021 18:00:00
Bid Opening Date/Time	27-07-2021 18:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	70 (Days)
Ministry/State Name	Ministry Of Power
Department Name	Na
Organisation Name	Ntpc Limited
Office Name	Ssc Eri Barh
Total Quantity	11809
Item Category	Fibre Patch Panel (LIU) , Networking/Server Rack , Fibre Cable for Networking , Cat 6 Patch cord , CAT 6 Cable for Indoor use , Online Ups-IS:9000 , Layer 2 Access Switch , Small form-factor pluggable transceiver , Wireless Bridge , Fiber Optic Patch Cord , Pigtails for Fiber Cable Connection , Fiber Optic Fusion Splicer , Multimedia Projector (MMP) , Router
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	No
Primary product category	Router
Time allowed for Technical Clarifications during technical evaluation	5 Days
Estimated Bid Value	2584340
Evaluation Method	Item wise evaluation

EMD Detail

Required	No
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ePBG Detail

Required	No
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(a). The EMD % will be applicable for each schedule/group selected during Bid creation.

Splitting

Bid splitting not applied.

MII Purchase Preference

MII Purchase Preference	Yes
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MSE Purchase Preference

MSE Purchase Preference	Yes
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1. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

2. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

3. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

Evaluation Method (Item Wise Evaluation Method)

Contract will be awarded schedulewise and the determination of L1 will be done separately for each schedule. The details of item-consignee combination covered under each schedule are as under:

Evaluation Schedules	Estimated Value	Item/Category	Quantity
Schedule 1	90000	Fibre Patch Panel (liu)	20
Schedule 2	92175	Networking/server Rack	15

Schedule 3	150000	Fibre Cable For Networking	5000
Schedule 4	18000	Cat 6 Patch Cord	100
Schedule 5	115760	Cat 6 Cable For Indoor Use	6100
Schedule 6	109000	Online Ups-is:9000	20
Schedule 7	18350	Layer 2 Access Switch	10
Schedule 8	120000	Small Form-factor Pluggable Transceiver	30
Schedule 9	44000	Small Form-factor Pluggable Transceiver	10
Schedule 10	8000	Small Form-factor Pluggable Transceiver	4
Schedule 11	71640	Layer 2 Access Switch	30
Schedule 12	75900	Wireless Bridge	6
Schedule 13	15700	Fiber Optic Patch Cord	50
Schedule 14	12450	Fiber Optic Patch Cord	50
Schedule 15	26000	Pigtails For Fiber Cable Connection	200
Schedule 16	200000	Fiber Optic Fusion Splicer	1
Schedule 17	14400	Cat 6 Patch Cord	100
Schedule 18	323200	Multimedia Projector (mmp)	5
Schedule 19	512500	Layer 2 Access Switch	25
Schedule 20	463890	Layer 2 Access Switch	8
Schedule 21	103375	Router	25

Fibre Patch Panel (LIU) (20 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Dimensions	Height	230.0
	Width	440.0
	Depth	44.0
Design & Specification	Liu Type	Rock Mounted
	Height Of Patch Panel	1U
	No\umber Of Ports	24
	Adapter	SC
	Material Of Patch Panel	Cold Rolled Steel
Certifications & Approvals	Approvals	Rohs Compliant

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	20	60

Networking/Server Rack (15 pieces)**(Minimum 50% Local content required for MII compliance)**

Brand Type	Registered Brand
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Technical Specifications[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specifications	Type of Server Racks	Rack Enclosures
	Size of Server Rack Enclosure	9U
	Warranty (Years)	1

Additional Specification Parameters - Networking/Server Rack (15 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Number of Fan For Heatdissipation (nos)	2
Support cable entry fromtop or bottom	Yes
Load BearingCapacity (Kgs)	40
PDU Power Strips	Available

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213, NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	15	60

Fibre Cable For Networking (5000 meter)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Generic	Fibre count	12
	Jacket material	HDPE
	Fibre type	Single mode OS1
	Operational temperature range	-20 deg C to +60 deg. C
	Storage temperature range	-20 deg C to +60 deg. C
Constructional	Type of tube / no. of tube / no. of core per tube	Unitube /1/12
	Cable Armouring	Armoured with ECCS tape
Performance	Installation temperature range	-30 deg C to + 60 deg C

Additional Specification Parameters - Fibre Cable For Networking (5000 meter)

Specification Parameter Name	Bid Requirement (Allowed Values)
Availability of complete and satisfactory type test Report from Central Government / NABL/ ILAC accredited laboratory to conformity of the Specifications	Yes
All the test reports and certificates shall be furnished to the buyer/consignee on demand	Yes
Loose tube diameter	2.5±0.2mm

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	5000	60

Cat 6 Patch Cord (100 meter)**(Minimum 50% Local content required for MII compliance)**

Brand Type	Registered Brand
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Technical Specifications[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
GENERIC	Patch cord type : Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshileded twisted pair	CAT6 U/UTP
	Patch cord colour	Grey
	Length of Patch cord (Mtrs)	5.0
CONSTRUCTIONAL	Cable jacket material	Low Smoke zero halogen (LSZH)
	Storage temperature range	-20 deg.C to +60 deg.C
	Operating temperature range	-20 deg.C to +60 deg.C
CERTIFICATIONS	UL Marking on Cable	Yes

Additional Specification Parameters - Cat 6 Patch Cord (100 meter)

Specification Parameter Name	Bid Requirement (Allowed Values)
Conductor diameter	24 to 26 AWG
Availability of complete and satisfactory type test Report from Central Government / NABL/ ILAC accredited laboratory as per Governing Specification	Yes

Specification Parameter Name	Bid Requirement (Allowed Values)
All the test reports shall furnish to the buyer/consignee on demand	yes

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213, NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	100	60

CAT 6 Cable For Indoor Use (6100 meter)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
GENERIC	Cable category: Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshielded twisted pair or Category 6 Shielded /Foiled Twisted Pair	CAT6 U/UTP
	Cable colour	Blue
	Conductor diameter	0.57 mm (23 AWG)
	Length of cable in a bundle (Mtrs)	305 mtrs.
CONSTRUCTIONAL	Cable jacket material	Fire retardant PVC
CERTIFICATIONS	UL Marking on Cable	Yes

Additional Specification Parameters - CAT 6 Cable For Indoor Use (6100 meter)

Specification Parameter Name	Bid Requirement (Allowed Values)
All the test reports shall furnish to the buyer/consignee on demand	Yes
Availability of complete and satisfactory type test report from Central Government / NABL/ ILAC accredited laboratory as per Governing Specification	Yes

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213, NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	6100	60

Online Ups-IS:9000 (20 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Generic	Rating in KVA (KVA)	1.0 KVA
	Technology	IGBT-PWM with inbuilt isolation transformer
	Input Power	single phase 160V - 260V sinewave, 50Hz
	Output power	Single phase 230V +/-1% sinewave 50 Hz
	Backup time (Minutes)	30
	Minimum VAH (VAH)	800
	Warranty for UPS (Years)	2
	Movable trolley for Batteries	Without
	Warranty for battery	1
	Degree of Protection	IP21
	Cabling 5 meters for input and output	With
	Paralleling kit for synchronising	Without

Specification	Specification Name	Bid Requirement (Allowed Values)
Constructional	Type of Battery	SMF-VRLA conforming to JISC:8702(Pt.I,II&III)
Functional	20% Overload limit for minimum 10 minutes	Yes
	Overall Efficiency (%)	>/=90%
	50% Overload limit for minimum 1 minutes	Yes

Additional Specification Parameters - Online Ups-IS:9000 (20 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Availability of the TypeTest Report from CentralGovt. /NABL/ILACAccredited lab covering alltechnical requirements.	Yes

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	20	60

Layer 2 Access Switch (10 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Switch	UnManaged
	Technology	PoE+
	Number of 1G Copper Ports	52, 0
	Number of 10G Copper Ports	0

Specification	Specification Name	Bid Requirement (Allowed Values)
	No. of 1 G SFP Port (Uplink)	0
	No. of 10 G SFP+ Port (Uplink)	0
	Multi-Gigabit Support	Yes
	Redundant Power supply (from day one)	Not available
	on Site OEM Warranty	1

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	10	60

Small Form-factor Pluggable Transceiver (30 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Transceiver	SFP+
	On Site OEM Warranty (Year)	5

Additional Specification Parameters - Small Form-factor Pluggable Transceiver (30 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Interface	LC

Specification Parameter Name	Bid Requirement (Allowed Values)
Tx Power (dBm)	-3
Receiver Sensitivity (dBm)	-21
Core Size (Micron)	125
SFP Mode	Single

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	30	60

Small Form-factor Pluggable Transceiver (10 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Transceiver	SFP+
	On Site OEM Warranty (Year)	1

Additional Specification Parameters - Small Form-factor Pluggable Transceiver (10 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Fibre Cable Type	SC
Tx Power (dBm)	-8
SFP Mode	Single
Receiver Sensitivity (dBm)	-24

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	10	60

Small Form-factor Pluggable Transceiver (4 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Transceiver	SFP+
	On Site OEM Warranty (Year)	1

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	4	60

Layer 2 Access Switch (30 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Switch	UnManaged
	Technology	Non PoE
	Number of 1G Copper Ports	8

Specification	Specification Name	Bid Requirement (Allowed Values)
	Number of 10G Copper Ports	0
	No. of 1 G SFP Port (Uplink)	0
	No. of 10 G SFP+ Port (Uplink)	0
	Multi-Gigabit Support	No
	Redundant Power supply (from day one)	Not available
	on Site OEM Warranty	3

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	30	60

Wireless Bridge (6 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Bridge	Point to point
	Antenna Gain (dBi)	More than 16.0 Or higher
	Number of Radios	Single
	Frequency Band in Ghz	5.0, 2.4 & 5.0 Or higher
	Supported Wi-fi Standards	802.11 b/g/n, 802.11 ac, 802.11 ac Wave 2 Or higher
	Wireless Speed Maximum (Throughput) (mbps)	More than 200.0 Or higher
	Wireless Signal Range upto (Km)	3
	Channel Width (MHz)	40

Specification	Specification Name	Bid Requirement (Allowed Values)
	Receiver Sensitivity {in (-) dBm }	More than -90.0 Or higher
	Transmit power (tx) (dBm)	More than 30.0 Or higher
	Number of 10/100/1000 port	More than 1.0 Or higher
	Fiber port (in case of outdoor AP)	No
	On Site OEM Warranty (Year)	5

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	6	60

Fiber Optic Patch Cord (50 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
GENERIC	Connector type, Connector End A	SC
	Connector type, Connector End B	LC
	Cable type	Duplex
	Fiber type	Single Mode 9/125 micron
	Cable Size, Outer dia (in mm)	0.9
	Cord Length (in m)	3
	Jacket material (Sheath material)	LSZH
	Cable color	Yellow

Specification	Specification Name	Bid Requirement (Allowed Values)
	Operating temprature	-10 deg.C to +60 deg C
CONSTRUCTION	Connector Insertion loss, Max. (in dB)	0.3
	Connector Return loss , Min. (in dB)	50
	Material of Ferrule	Zirconia Ceramic, PreRadiused and pre polished
	Durability	200 Mating cycle

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	50	60

Fiber Optic Patch Cord (50 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
GENERIC	Connector type, Connector End A	SC
	Connector type, Connector End B	SC
	Cable type	Duplex
	Fiber type	Single Mode 9/125 micron
	Cable Size, Outer dia (in mm)	0.9
	Cord Length (in m)	3
	Jacket material (Sheath material)	LSZH
	Cable color	Yellow
	Operating temprature	-10 deg.C to +60 deg C

Specification	Specification Name	Bid Requirement (Allowed Values)
CONSTRUCTION	Connector Insertion loss, Max. (in dB)	0.3
	Connector Return loss , Min. (in dB)	50
	Material of Ferrule	Zirconia Ceramic, PreRadiused and pre polished
	Durability	200 Mating cycle

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	50	60

Pigtails For Fiber Cable Connection (200 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
GENERIC	Fiber type	Single Mode OS1
	Cable Size (dia, in mm)	0.9
	Cable Length (in m)	1.5
	Jacket thickness (in mm)	0.45
	Cable color	Yellow
	Operating temprature	-10 deg.C to +60 deg C
OPTICAL SPECIFICATIONS	Connector Insertion loss, Max. (in dB)	0.2
	Connector Return loss , Min. (in dB)	20
MECHANICAL	Bend radius, Min., (in mm)	30
	Retention strength (in N)	20
	Material of Ferrule	Ceramic

Specification	Specification Name	Bid Requirement (Allowed Values)
	Repeatability	</-0.2 dB
	Durability	500 Matings
	Cable type	Simplex

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	200	60

Fiber Optic Fusion Splicer (1 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
TYPE / MODE / ALIGNMENT	Type	Single Fiber Fusion Splicer
	Splicing Mode	Auto
	Alignment Mode	Core to Core Alignment (PAS-Profile Alignment System), Clad to Clad Alignment (Fixed V-groove System), Manual Alignment
	IP Protection	IP 54
APPLICABLE FIBERS / DIMENSIONS	Applicable Fibers	Single Mode (SM), Multi Mode (MM), Dispersion-Shifted (DS), Non-Zero Dispersion -Shifted (NZDS)
	Fiber Count	1
PERFORMANCE	Electrode Life (in Splices)	5000
	Tension Test / Pull Test attachment included in the scope of supply	Yes
WARRANTY	Warranty on Equipment	3.0
	Warranty on Probe Electrode	6.0

Specification	Specification Name	Bid Requirement (Allowed Values)
CERTIFICATION	Availability of Test Reports from Central Govt/ NABL/ILAC accredited lab to prove conformity to the Specifications	Yes

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	1	60

Cat 6 Patch Cord (100 meter)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
GENERIC	Patch cord type : Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshileded twisted pair	CAT6 U/UTP
	Patch cord colour	Blue
	Length of Patch cord (Mtrs)	1.0
CONSTRUCTIONAL	Cable jacket material	Low Smoke zero halogen (LSZH)
	Storage temperature range	-20 deg.C to +60 deg.C
	Operating temperature range	-20 deg.C to +60 deg.C
CERTIFICATIONS	UL Marking on Cable	Yes

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	100	60

Multimedia Projector (MMP) (5 pieces)**(Minimum 50% Local content required for MII compliance)**

Brand Type	Registered Brand
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Technical Specifications[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Technical Specifications	Technology	One Chip DLP
	Native Resolution	1024 x 768 (XGA), 1280 x 720 (HD), 1280 x 800 (WXGA), 1280 x 1024 (SXGA), 1600 x 1200 (UXGA), 1920 x 1080 (Full HD), 1920 x 1200 (WUXGA), 3840 x 2160 (UHD 4K), 2560 x 1600 (WQXGA), 4096 x 2160 (4K), 5120 x 3200 (4K+) Or higher
	Brightness (Lumens)	3800, 4000, 4200, 4300, 4500, 5000, 5200, 5500, 6000, 6200, 6500, 7000, 7500, 8000, 8500, 9000, 9500, 10000, 12000, 13000, 14000, 16000, 18000, 20000, 22000, 25000, 30000, 40000, 60000, 5800, 6600, 6700, 21000 Or higher
	Optical Zoom	Yes Or higher
	If Yes, Optical Zoom (%)	110, 120, 135, 140, 145, 150, 160, 170, 175, 200, 210, 130 Or higher
	If Yes, Type of Projector	Standard Throw (0.91 to 2.5)
	Type of Light Source	UHP / UHE / UHM
	Minimum Life of Light Source (In Normal Mode) (Hours)	6000, 8000, 10000, 15000, 20000, 25000, 30000 Or higher
Warranty	On Site OEM Warranty for Light Source (Time or Life in Hours whichever is earlier)	1 Year or 5000 Hrs., 3 Year or 5000 Hrs., 3 Year or 10000 Hrs., 3 Year or 12000 Hrs., 3 Year or 15000 Hrs., 3 Year or 30000 Hrs., 5 Year or 10000 Hrs. Or higher
	On Site OEM Warranty	1, 2, 3, 5 Or higher

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	5	60

Layer 2 Access Switch (25 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Switch	Web Managed
	Technology	PoE+
	Number of 1G Copper Ports	8
	Number of 10G Copper Ports	0
	No. of 1 G SFP Port (Uplink)	2
	No. of 10 G SFP+ Port (Uplink)	0
	Multi-Gigabit Support	Yes
	Redundant Power supply (from day one)	Not available
	on Site OEM Warranty	5

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	25	60

Layer 2 Access Switch (8 pieces)

(Minimum 50% Local content required for MII compliance)

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Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Switch	Managed
	Technology	Non PoE
	Number of 1G Copper Ports	24
	Number of 10G Copper Ports	0
	No. of 1 G SFP Port (Uplink)	2
	No. of 10 G SFP+ Port (Uplink)	2
	Multi-Gigabit Support	Yes
	Redundant Power supply (from day one)	Not available
	on Site OEM Warranty	1

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	8	60

Router (25 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Ungrouped	Type of Router	WAN
	No. of Gigabit Ethernet (10/100/1000 Base-T) Interface Ports	More than 4.0 Or higher

Specification	Specification Name	Bid Requirement (Allowed Values)
	Type of 1G SFP a. Fiber-Single Mode - 4 no. b. Fiber-Multi Mode - 2 no. c. Copper - 4 No.	More than 0.0 Or higher
	No. of 10G SFP+ Slot (Fiber / Copper)	More than 0.0 Or higher
	Packet forwarding rate (MPPS)	More than 14.81 Or higher
	No. of Free Slots (High density)	More than 0.0 Or higher
	IPsec Throughput (Mbps)	More than 80.0 Or higher
	On Site OEM Warranty (Year)	3

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satyendra Narayan Singh	803213,NTPC LTD BARH SUPER THERMAL POWER PROJECT Pin Code: 803215, NTPC Barh Post Office, Barh, Nalanda, Bihar	25	60

Special terms and conditions-Version:1 effective from 04-05-2020 for category Online Ups-IS:9000

- Calculation of Minimum VAH based on Back up time
Minimum VAH requirements would be calculated on the basis of following:
(VAH Calculation: Battery Voltage x Battery Ah x No. of Batteries = VAH)

UPS Rating	15 Minutes	30 Minutes	60 Minutes	90 Minutes	120 Minutes	180 Minutes	240 Minutes
1 KVA	400 VAH	800 VAH	1600 VAH	2400 VAH	3200 VAH	4800 VAH	6400 VAH
2 KVA	800 VAH	1600 VAH	3200 VAH	4800 VAH	6400 VAH	9600 VAH	12800 VAH
3 KVA	1200 VAH	2400 VAH	4800 VAH	7200VAH	9600 VAH	14400 VAH	19200 VAH
5 KVA	2000 VAH	4000 VAH	8000 VAH	12000 VAH	16000 VAH	24000 VAH	32000 VAH
6 KVA	2400 VAH	4800 VAH	9600 VAH	14400 VAH	19200 VAH	28800 VAH	38400 VAH
7.5 KVA	3000 VAH	6000 VAH	12000 VAH	18000 VAH	24000 VAH	36000 VAH	48000 VAH
10 KVA	4000 VAH	8000 VAH	16000 VAH	24000 VAH	32000 VAH	48000 VAH	64000 VAH
15 KVA	6000 VAH	12000 VAH	24000 VAH	36000 VAH	48000 VAH	72000 VAH	96000 VAH
20 KVA	8000 VAH	16000 VAH	32000 VAH	48000 VAH	64000 VAH	96000 VAH	128000 VAH
30 KVA	12000 VAH	24000 VAH	48000 VAH	72000 VAH	96000 VAH	144000 VAH	192000 VAH
40 KVA	16000 VAH	32000 VAH	64000 VAH	96000 VAH	128000 VAH	192000 VAH	256000 VAH

UPS Rating	15 Minutes	30 Minutes	60 Minutes	90 Minutes	120 Minutes	180 Minutes	240 Minutes
60 KVA	24000 VAH	48000 VAH	96000 VAH	144000 VAH	192000 VAH	288000 VAH	384000 VAH
80 KVA	32000 VAH	64000 VAH	128000 VAH	192000 VAH	256000 VAH	384000 VAH	512000 VAH
100 KVA	40000 VAH	80000 VAH	160000 VAH	240000 VAH	320000 VAH	480000 VAH	640000 VAH

Buyer Added Bid Specific Additional Terms and Conditions

- Scope of supply (Bid price to include all cost components) : Only supply of Goods
- Buyer Added text based ATC clauses
 - Bidder should also refer attached technical specifications (data sheet) and quote as per the attached technical specifications -1312499.
 - Bidder should submit compliance to the attached technical specifications
 - In case of any conflict between goled parameters and technical specifications attached herewith, the technical specifications mentioned in the attached data sheet shall supercede.
- Buyer uploaded ATC document [Click here to view the file.](#)

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. If any seller has any objection / grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---