



रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड
RailTel Corporation of India Limited

तीसरी और 16 वीं मंजिल, 33 ए जवाहरलाल नेहरू रोड,
चटर्जी इंटरनेशनल सेंटर
33A, Jawaharlal Nehru Road, 3rd & 16th Floor, Chatterjee International Centre,
Kolkata – 700 071.

(कार्यकानाम) Name of the Work

लेयर -2 एक्सेस स्विच की आपूर्ति
Supply of Layer-2 Access Switches

Tender Notice (निविदा सूचना)

GEM Tender No: GEM/2021/B/1014781 dt.05-02-2021

GEM निविदा नं: GEM/2021/B/1014781 dt.05-02-2021

Name of the Work (कार्यकानाम)

Supply of Layer-2 Access Switches

लेयर -2 एक्सेस स्विच की आपूर्ति

Details (विवरण)

a.	Start date for downloading the Tender निविदा डाउनलोड करने की तारीख शुरू करें	05.02.2021
b.	Closing date for downloading the Tender निविदा डाउनलोड करने की अंतिम तिथि	26.02.2021 at 15:00 hrs.
c.	Date of Opening of Bids बोलियों के खुलने की तिथि	26.02.2021 at 15:30 hrs.
d.	Estimated cost of Tender निविदा की अनुमानित लागत	Rs.3,30,726.94
e.	Earnest Money Deposit (EMD) बयाना राशि	Nil
f.	GEM Bid Link GEM बोली लिंक	https://bidplus.gem.gov.in/bidlists/bunch?search_param=bidNo&search_by=gem%2F2021%2Fb%2F1014781

Sd/-

(सुधाकर बेहेरा)

Sudhakar Behera

क्षेत्र महाप्रबंधक / भुवनेश्वर

Territory Manager /Bhubaneswar

रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड

RailTel Corporation of India Limited

Bid Document

Bid Details	
Bid End Date/Time	26-02-2021 15:00:00
Bid Opening Date/Time	26-02-2021 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	65 (Days)
Ministry/State Name	Ministry Of Railways
Department Name	Na
Organisation Name	Railtel Corporation Of India Ltd
Office Name	Railtel Corporation Of India Ltd Kolkata
Total Quantity	19
Item Category	Layer 2 Access Switch
Bidder Turnover (Last 3 Years)	2 Lakh (s)
OEM Average Turnover (Last 3 Years)	3 Lakh (s)
Experience Criteria	3 Year (s)
MSE Exemption for Years Of Experience	Yes
Startup Exemption for Years Of Experience	Yes
Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Past Performance	40 %
Bid to RA enabled	No
Primary product category	Layer 2 Access Switch
Time allowed for Technical Clarifications during technical evaluation	4 Days
Inspection Required	No
Estimated Bid Value	330726.94
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No
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ePBG Detail

Required	No
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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. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
2. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
3. 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.
4. 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.
5. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 40% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

Layer 2 Access Switch (4 pieces)

(Minimum 50% Local content required for MII compliance)

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	52, 0
	Number of 10G Copper Ports	0
	No. of 1 G SFP Port (Uplink)	24
	No. of 10 G SFP+ Port (Uplink)	4
	Multi-Gigabit Support	Yes
	Redundant Power supply (from day one)	Supported
	Switching Capacity -Non Blocking (Gbps)	128
	Throughput (MPPS)	More than 95.24 Or higher
	Stacking Bandwidth (Gbps)	More than 0.0 Or higher
	on Site OEM Warranty	3

Additional Specification Parameters - Layer 2 Access Switch (4 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
(1) Flow Control (2) Spanning Tree control/RSTP support (3) Management features (4) Auto MDI-II/MDI-X uplink (5) VLAN priority queues (6) Port mirroring (7) Jumbo frame	(1) Support for 802.3x flow control. (2) Support 802.1D spanning tree control/RSTP and MSTP Support. (3) Should support management features viz. Web-based GUI, SNMP, TFTP Client, System Log, DHCP/BootP Client & Dual Images with OTDDM (4) Support Auto MDI-II/MDI-X uplink for all the twisted pair ports. (5) Support 802.1Q VLAN, 802.1p priority queues. (6) Support port mirroring. (7) Support jumbo frame. (9216 Byte)
(8) Management (9) AC and DC (dual) power supply (10) Entries in the MAC table (11) IGMP Snooping (12) VLAN support	(8) Support console port and telnet based management. (9) Should have AC and DC (dual) power supply arrangement i) AC P S 100 to 240 V AC / 50- 60 Hz ii) -48V DC (10) Support min. 16000 entries in MAC table. (11) Should support following for min. 64 Groups :i) IGMP Snooping, ii) IGMP v1/v2/v3 awareness Snooping, iii) IGMP Snooping querier. (12) Support Port-based VLAN, 802.1Q Tagged VLAN & Voice VLAN, Management VLAN.
(13) Spanning-tree (14) Spanning-tree Port Fast guard for fast convergence (15) Ethernet Ring Protection and IEEE 802.3ah/Y.1731 (16) Surge Protection	(13) Support spanning-tree root guard or similar (14) Support spanning-tree Port Fast guard for fast convergence or similar (15) Should support ITU-T G.8032 Ethernet Ring Protection designed for loop protection and fast convergence times (sub 50 ms.) in ring topologies, Should be Ethernet OAM compliant with IEEE 802.3ah/Y.1731. (16) Ssupport (i) Surge protection of ± 2 kV (line-earth) and ± 1 kV (line-line) on power input ii) Surge protection of ± 2 kV on Ethernet ports.
(17) Security features (18) Quality Of Service (QoS) (19) IPv6 support (20) Temperature performance parameters	(17) Should support security features viz.: i) SSL (HTTPS), ii) Broadcast/Multicast/Unicast Storm Control, iii) DoS Attack Prevention (18) Should support Quality Of Service (QoS) features viz.: i) Priority Queue, ii) Class of Service (CoS), iii) Rate Limiting (Bandwidth Control), iv) Strict Priority Queue (SPQ), v) Weighted Round Robin (WRR) or better (19) Should support IPv6. (20) Operating Temperature - min -0 to 50 °C, Storage Temperature - min -40 to 70 °C.
(21) LLDP or similar functionality (22) EMI Certificate (23) Safety Certificate (24) GEM GTC 26 compliance (25) Inspection	(21) Should support LLDP or similar functionality (22) Should have EMI Certificate of FCC/IC /CE (23) Switch should have Safety Certificate of UL or equivalent (24) Bidder & OEM should comply GEM GTC.26, document should submit for compliance (25) Inspection : by consignee

* 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	Bandaru Manohar	751023,1st Floor, Annex Building, B-Block, Rail Vihar, Chandrasekharapur, Bhubaneswar	4	30

Layer 2 Access Switch (15 pieces)

(Minimum 50% Local content required for MII compliance)

Technical Specifications* As per GeM Category Specification

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Switch	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	No
	Redundant Power supply (from day one)	Not available
	Switching Capacity -Non Blocking (Gbps)	20
	Throughput (MPPS)	More than 14.88 Or higher
	Dedicated Stacking Port/Slot (from day one)	Not available
	Stacking Bandwidth (Gbps)	More than 0.0 Or higher
	PoE Power Budget (Watt)	130
	on Site OEM Warranty	3

Additional Specification Parameters - Layer 2 Access Switch (15 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
(1) Design (2) Port trunking (3) Flow control (4) Spanning tree control/RSTP support (5) Management features (6) Auto MDI-II/MDI-X uplink (7) VLAN, Priority queues	(1) Designed for continuous operations (2) Support Port trunking at least 2 GE ports. (3) Support for 802.3x flow control (4) Support 802.1D spanning tree control/RSTP support (5) Should support management features like Web-based GUI, SNMP, TFTP Client, System Log, DHCP/ BootP Client & Dual Images and Should support Optical Transceiver Digital Diagnostic Monitoring(6) Should support Auto MDI-II/MDI-X uplink for all the twisted pair ports (7) Support 802.1Q VLAN, 802.1p Priority queues
(8) Port Mirroring (9) Jumbo frame (10) Entries in the MAC table (11) IGMP Snooping (12) VLAN Support (13) Spanning-tree root guard	(8) Support port mirroring (9) Support jumbo frame (9216 Byte). (10)Should support at least 8000 entries in MAC table (11) Should support IGMP Snooping, IGMP v1/v2/v3 awareness Snooping, Supports 64 Groups & IGMP Snooping Querier. (12) Support Port-based VLAN, 802.1Q Tagged VLAN & Voice VLAN along with Management VLAN (13) Support spanning-tree root guard or similar functionality
(14) Spanning-tree Port Fast guard for fast convergence (15)	(14) Should support spanning-tree Port Fast guard for fast convergence or similar functionality (15) Should support LLDP or similar functionality (16)Should have AC

LLDP or similar functionality (16) AC Power Supply (17) IEEE 802.3af & IEEE 802.3 (18) Surge Protection	Power Supply 100 to 240 V AC with 50 to 60 Hz and equipped with 3 pin plug (17) Switch should support IEEE 802.3af & IEEE 802.3at on Ethernet ports (18) Switch should support Surge Protection to ± 2 kV (line-earth) and ± 1 kW (line-line) on power input and Surge Protection to ± 2 kV on Ethernet ports
(19) Security Features (20) Quality Of Service (QoS) (21) Operating Temperature (22) Storage Temperature	(19) Should support security features like SSL (HTTPS), Broadcast/ Multicast/ Unicast Storm Control, DoS Attack Prevention (20) Should support Quality Of Service (QoS) like Priority Queue, Class of Service (CoS), Rate Limiting (Bandwidth Control), Strict Priority Queue (SPQ), Weighted Round Robin (WRR). (21) Operating Temperature should be min -0 to 50 °C (22) Storage Temperature of the Switch should be min -20 to 70 °C.
(23) EMI Certificate (24) Safety Certificate (25) Rack Mountable clamps (26) GEM GTC Clause (27) Inspection	(23) Should have EMI Certificate of FCC/IC / CE or equivalent (24) Should have Safety Certificate of UL or equivalent (25) Rack Mountable clamps for standard 19 inch Rack for each item (26) Both Bidder and OEM should comply GEM GTC Clause 26. Document should be submitted for the compliance.(27)Inspection by Consignee.

* 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	Bandaru Manohar	751023,1st Floor, Annex Building, B-Block, Rail Vihar, Chandrasekharapur, Bhubaneswar	15	30

Bid Specific Additional Terms and Conditions

- Bidders shall quote only those products in the bid which are not obsolete in the market and has at least 5 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.
- Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.
- Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.
- Malicious Code Certificate:

The seller should upload following certificate in the bid:-
(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-
(i) Inhibit the desires and designed function of the equipment.
(ii) Cause physical damage to the user or equipment during the exploitation.
(iii) Tap information resident or transient in the equipment/network.
(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.
- OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.
- Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.
- IMPORTED PRODUCTS:** In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
- Pre-dispatch inspection at Seller premises (Fee/Charges to be borne by the BUYER):** Before dispatch, the goods will be inspected by Buyer / Consignee or their Authorized Representative or by Nominated External Inspection Agency (independently or jointly with Buyer or Consignee as decided by the Buyer) at Seller premises (or at designated place for inspection as declared / communicated by the seller) for their compliance to the contract specifications. Fee/Charges taken by the External inspection Agency and any external laboratories

testing charges shall be borne by the Buyer. For in-house testing, the Sellers will provide necessary facilities free of cost. Seller shall notify the Buyer through e-mail about readiness of goods for pre-dispatch inspection and Buyer will notify the Seller about the Authorized Representative/ Nominated External Inspection Agency and the date for testing. The goods would be dispatched to consignee only after clearance in pre-dispatch inspection. Consignee's right of rejection as per GTC in respect of the goods finally received at his location shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by Buyer/ Consignee or its Nominated External Inspection Agency prior to the goods' shipment. While bidding, the sellers should take into account 7 days for inspection from the date of email offering the goods for inspection. Any delay in inspection beyond 7 days shall be on the part of the buyer and shall be regularised without Liquidated Damages.

When there is requirement of submission the advance sample, the seller shall inform the buyer promptly through emails about the date of submission of sample to the buyer nominated Inspection agency.

9. Scope of supply (Bid price to include all cost components) : Only supply of Goods
10. 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% 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 percentage of 25% of total value.
11. Preference to Make In India products (For bids less than 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 50%. 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. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.
12. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
13. Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
14. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
15. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
16. For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:
 - a. Purchase Order copy along with Invoice(s) with self-certification by the bidder that supplies against the invoices have been executed.
 - b. Execution certificate by client with order value.
 - c. Any other document in support of order execution like Third Party Inspection release note, etc.
17. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

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---