

Bid Document

Bid Details	
Bid End Date/Time	21-07-2020 18:00:00
Bid Opening Date/Time	21-07-2020 18:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Railways
Department Name	Na
Organisation Name	N/a
Office Name	Western Railway
Total Quantity	150
Item Category	Wireless Access Point
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	No
Inspection Required	No
Estimated Bid Value	2000000

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Wireless Access Point (150 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	Type of Access Point	Stand alone	Stand alone
	Deployment	Indoor	Indoor
	Mounting	Ceiling	*
	Antenna Type	Internal	*
	Number Of Radios	Dual	*
	Frequency Band	2.4 GHz & 5.0 GHz	*
	Supported Wi-fi Standards	802.11ac Wave 2	*
	Wireless Speed Up to (Mbps)	867	867
	Max Wireless Signal Range in Mts	90	90
	Channel Width (MHz)	80	*
	Maximum Data Rate MBps	1200	*
	Supported Encryption	WEP,WPA-PSK,WPA-TKIP,WPA2 AES,802.11i,EAP-TLS.	WEP, WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i, EAP-TLS., WEP, WPA-PSK, WPA-TKIP, EAP-TLS, WPA2 AES, 802.11i, EAP-TLS., WPA-TKIP, WPA AES
	Dedicated Console Port	Not Available	*
	Receiver Sensitivity in db	6	*
	Transmit power (tx)(dBm)	15.4	*
	Radio Resource Management such for power channel,coverage hole detection and performance optimization	Available	*
	Support for Load Balancing between 2-4 Ghz and 5 Ghz	Available	*
	Support for Configurable Carrier Threshold	Available	*
	Device Management	Web-based	*

	Configuration Interface (GUI)	
Support for Mesh Networking	Available	*
Support for QoS for Voice over Wireless	Available	*
Support for MU-MIMO	Available	*
Number of MIMO supported & Spatial Streams	2 x 2 :2	*
Number of WLAN (SSID) per AP	4	*
Maximum clients Nos	128	*
Support for Autonomous access-point option	Available	*
USB Ports	Not Available	*
Number of 10/100/1000 port	2	*
mGig support	Not Available	*
Fiber port (in case of outdoor AP)	Not Available	*
Support for Bluetooth Low Energy (BLE) support on AP	Not Available	*
Support for Beam forming	Available	*
Operate as a sensor for wireless IPS	Not Available	*
Support for QoS and Video Call Admission Control capabilities	Available	*
Support for Rogue access point detection	Available	*
Support for Wireless Intrusion Protection System	Not Available	*
WPC certified	No	*
Wi-Fi CERTIFIED	Yes	*
Support non-Wi-Fi detection for off-channel rogues and Containment for both radio while serving the client simultaneously	Available	*
Powering options (Such	802.3at PoE+	*

	as AC/DC, 802/3af PoE, 802/3at PoE+), specify		
	Power POE (Watt)	12.5	*
	Environmental Standard : plenum-rated (UL2043) for Indoor and IP67 for Outdoor	Yes	*
	Weight (grams)	-	*
	On Site OEM Warranty (Years)	5	5

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Chandrashekhar Bhagwat Mahajan	400008,SENIOR SECTION ENGINEER, TELECOM STORE, RAJDHANI POH BUILDING, 3RD FLOOR, MUMBAI CENTRAL - E, NEAR DRM OFFICE, 400008	150	30

Bid Specific Additional Terms and Conditions

1. 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.
2. Scope of supply (Bid price to include all cost components) : Only supply of Goods
3. Bid reserved for Make In India products: Procurement under this bid is reserved for purchase from Class 1 local suppliers 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%. All bidders 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 the bid is liable to be rejected. 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 . 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. 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.

5. 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.
6. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
7. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

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

---Thank You---