

Information to Bidder for the “Procurement of Type-I switch and other associated items of Wi-Fi setup for VSS work”

Ref: GeM Bid No. GEM/2020/B/628600 Dtd 26.04.2020

1. The item/items in this bid should be quoted as per the technical specifications. *The details of the specifications along with consignee/site details are also available on website www.railtelindia.com*

GEM/2020/B/628600 Dtd 26.04.2020

1.Type-I Switch with 3 year warranty (For SOR,SN-1)

As per clause no.14.0(III) (Field switches (8-ports))RDSO Specification of IP Based Video Surveillance System Specification no. RDSO/SPN/TC/65/2019 Revision 5.0 or latest with all amendments.

Field Switches (8 ports): The Field Switches shall have following minimum specifications:-

S. No.	Specification
1.	Switch Should Support 8 10/100/1000BASE-T PoE and 2 SFP ports
2.	Switch Should Support Min. 20 Gbps Switching Capacity and Maximum 64 Byte Packet Forwarding Rate is 14.88 MPPS
3.	Switch Should Support IEEE 802.3af & at compliance (for PoE ports) and 120W Power Budget.
4.	Switch should support surge protection of 2kV as per IEC/EN 61000-4-5
5.	Switch should support IGMP Snooping v1, v2 and MLD snooping v1/v2
6.	Switch shall support IEEE 802.1AB Link Layer Discovery Protocol (LLDP) or LLDP-MED.
7.	Switch Should Support 4K VLAN ID's, Min 256 static VLAN and Voice & Video VLAN
8.	Switch should support Port Mirroring One to one/Many to One
9.	Switch should support Quality of Service (QoS), 802.1p, Strict, Weighted Round Robin (WRR)/ Shaped Round Robin (SRR) scheduling.
10.	Switch should support Access Control List (ACL), Port Base, MAC Base, IP Based, L2 & L3 ACL (IPv4 and IPv6)
11.	Switch Should Support Security Features like Broadcast/Multicast/Unicast Storm Control, Traffic segmentation, TLS, DoS attack prevention, 802.1X Port-based Access Control , Port Security, ARP Spoofing Prevention, DHCP Server Screening, IP-MAC-Port Binding, ARP Inspection, DHCP Snooping, 802.1X Authentication local/RADIUS database (IPv4 & IPv6), port-based access control.

12.	Switch Should Support features IPv4 & IPv6 Inspection, SSH v2 feature, Flow Control governed by IEEE 802.3x.
13.	Switch Should Support Management thru console Port, Web-based and CLI.
14.	Switch Should Support SNMP v1/v2c/v3.
15.	Operating temperature/ Humidity: 0°C to 50°C, 10%-90% non-condensation.
16.	The switch should work on 100-240V AC, 50Hz power supply.
17.	Switch should have EMI CERTIFICATE as per EN/FCC/IC/CE.
18.	Switch should have SAFETY CERTIFICATE as per UL/ IEC/EN 60950.

2. Telecom Rack (9U, 19", Wall mounted) with 3 year warranty (For SOR,SN-2)

No.	Item	Description
1	Type	Closed Telecom Rack wall/Poll mounted
2	Dimension	500 mm(Height)X600mm(Width)X 600 mm(Depth)
3	Mounting	Rack should have wall mounting provision with heavy wall brackets and fastners.
4	Front door	Rack should have front door tough and transparent glass fitted on MS/CRCA sheet on sides with Lock and key.
		MS/CRCA door plain having ventilation holes bottom side with dust filters.
5	Top & Bottom	Rack top and bottom should be MS/CRCA steel made with cable entry provision with glands at both side.
6	Fan module	Compact fan module of 90 CFM working on 230V AC 2 nos. with each rack properly fitted at top of rack
7	Earthing Provision	Rack Should have earthing provisions.
8	Cable manager	1 no. horizontal and 1 no. vertical cable manager with cable loops to be provided with each rack.
9	Power Distribution Unit (PDU)	PDU is of 6 Sockets of branded make such as Havells or equivalent with 6 Amp with switch.
10	Material used	CRCA/MS with Thickness varying from 1.6 Mm to 2.0 mm
11.	The rack should be fitted with one modem tray 19"	
12.	The good quality powder coating light grey in colour shall be used for painting of the rack.	
13.	"INDIAN RAILWAYS LOGO along with Year" in bold and easily recognizable fonts should be written at the front top of the rack preferably in black or blue color.	
14.	OEM should have a valid ISO 9001 certification on the date of opening of bid.	
15.	Rack should be minimum IP54 certified. Rack should also comply with EIA 310/DIN 41494 standards.	

3.FMS (12 Fiber) with 3 year warranty (For SOR,SN-3)

FMS (12Fiber)

The FMS should be confirming to TEC NO.: GR/FDM-01/02/APR-2007 (Type-I) with latest amendment No. TEC/T/OFC-FDMS/149/2012. However the FMS should have the following:

- i) It should be mountable in standard 19” rack and of slider type.
- ii) DELETED.
- iii) There should be arrangement of termination of 12/6 Nos. of fibers (as per SOR).
- iv) It should be supplied with 12/6 Nos. of pigtails of respective type of connector (as per SOR) of minimum 3 meter length.
- v) Color coded pigtails (900 μ n tight jacket) shall be provided for easy identification.
- vi) The FMS should be supplied with arrangement of required Nos. of adapters (as per SOR).
- vii) The adapters shall be fixed in such a way that these shall be easily accessible protecting the eye from direct exposure to laser.
- viii) There should be minimum two nos. of trays for the provision of termination of the fibers & sufficient space for routing of the fibers in the trays.
- viii) Trays shall be numbered bottom to top (tray no. 1 is lower most). ix) Pigtails shall follow tray numbering.
- x) Pigtails shall be labeled through colour coding/ferruling. xi) Adapters shall be numbered Bottom to Top or Left to Right in ascending order.
- xii) All adapters shall be provided with dust protection caps.
- xiii) Important Do's and Don'ts about the operation of the FMS shall be clearly indicated at convenient place on the FMS.
- xiv) Insertion Loss: ≤ 0.3 dB
- xv) Return Loss: ≥ 45 dB

- xvi) The FMS shall be manufactured as per latest state of art technology.
- xvii) The FMS shall be protected against the entry of dust and insects, rodents etc.
- xviii) Body should be of MS steel; powder coating painting (min. 70 micrometer thickness) shall be provided with rust resistance paint.
- xix) Marking: The marking on the system shall be indelible and following minimum information shall be provided by way of engraving or Laser printing method:
- a) “RAILTEL” should be written on each FMS to be visible from front.
 - b) Manufacturer’s name & date/ year of production.
 - c) Model No./Batch No./ Serial No.
 - d) Capacity i.e. No. of cables and the fibers.
 - e) Identification details/ cables/ Fiber/ labeling facility.
- xx.) Preferred type of connector is SC/APC for all connectors.
- Note: The bidder/OEM has to give compliance for the TEC specifications for above mentioned items, offered in this bid.**

4. STP CAT-6 Cable for CCTV work at stations with 3 year warranty (For SOR,SN-4):

As per RDSO Specification of IP Based Video Surveillance System Specification no. RDSO/SPN/TC/65/2019 Revision 5.0 or latest with all amendments.

STP CAT-6 Cable: STP (Shielded Twisted Pair) CAT-6 Cable shall be compliant with latest EIA/TIA-568-B.2-1 standard for CAT 6 cable.

5. SFP-BX (10 KM) Single Fiber with 3 year warranty (For SOR,SN-5):

SN	Description
1	SFP modules should comply with multi-source agreement (MSA), enabling compatibility with other vendors equipment.
2	Should support 10 km optical distance on single fiber
3	Should have LC type connector.
4	Should provide the cost in Pair (BX U & D).
5	Should have 1 Gigabit Ethernet capacity on single mode fiber.
6	Should support DDMI/DOM feature. Option should be available for SFP+/XFP

7	OEM should be having valid ISO 9000 & ISO 14000 certification on the date of opening of bid.
8	Should have CE and FCC regulatory compliances.
9	Operating Temperature of the SFP Should be mini 0 to 65 °C (23 to 149 °F)

2. In the specification wherever support for a feature has been asked for, it will mean that the feature should be available without RailTel requiring any other hardware/software/licenses. Thus, all hardware/software/licenses required for enabling the support/feature shall be included in the offer.

3. OEM or Authorized distributor/Partner of OEM should have a registered office in India to provide sales and 24x7 support in India. The certificate to this effect should be submitted. The bidder should be either OEM or his authorized dealer/distributor.

In case of the authorized distributor/partner certificate from the OEM to this effect should be submitted. If OEM is quoting then OEM should submit the certificate.

4. Equipment offered shall have complete data sheets and detailed description on OEM web sites.
5. Bidder shall submit the detailed BOM of the equipment offered duly verified and certified by the respective OEM.
6. GSTIN ID of vendor should be provided from where goods will be supplied.

7. **Tender Cost & Earnest Money Deposit (EMD)/ Bid Security:**

7.1 Tender Cost: Estimated cost of the Tender is **Rs 2,29,68,941/-**.

7.2 Earnest Money Deposit (EMD)/ Bid Security: Rs 454200/- in the form of Pay Order/Demand Draft/BG drawn in favor of RailTel Corporation of India Ltd. payable at New Delhi. The Bid received without EMD will be summarily rejected.

8. Delivery period: **30 days** from the date of PO.

9. **Eligibility Criteria for OEM:**

- a. The Equipment offered by the OEM or equipment of the same series/family from the same OEM should have been satisfactorily working in Government/PSUs/Telecom Service Providers network for at least 12 months as on opening of bid, in India or Abroad. The certificates from the actual users will have to be submitted online.

- b. The OEM should have supplied at least 35% of the tendered quantity of the equipment offered or equipment of the same series/family during last preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid to Government/PSUs/Telecom Service Providers. OEM should submit self-certificate with proper contact detail of clients along with quantities supplied (Firm Name, Contact person, Designation, Telephone Number, Fax, Official mail id etc.). The same should be issued by authorized signatory.
- c. The OEM should have proven facilities for Engineering, manufacture, assembly, integration and testing of **Switch** and basic facilities with respect to space, Engineering, Personnel, Test equipment, Manufacture, Training, Repair, Service Center Supports for at least past three years in the country from where the proposed equipment are planned to be supplied. In case OEM is located outside India, it should have training repair and service center facilities in India also. The certificates/Undertaking for the same will have to be submitted offline.

(The bidder will have to submit the proof of establishment for the facility)

10. Eligibility Criteria for Bidder:

- a. The tenderer should have executed order of supply/ provision of Telecom equipment like **Switch** during last preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following:
 - (A) Single order of atleast 35% of tendered value.
 - OR
 - (B) Two orders of atleast 20% each of tendered value.
 - OR
 - (C) Three orders of atleast 15% each of tendered value.

Satisfactory Performance certificate issued by customer/s for the Purchase Orders/ Work Orders should be enclosed.

- b. Bidder should have authorization specific to this tender from respective OEM as per Annex-II.

11. SLA:

After having been notified of the defects / service requirement during warrantee period, Seller has to complete the required Service / Rectification within time limit of max. 3 days. If the Seller fails to complete service / rectification within defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller & upto max. of 100% of Unit Price of the product.

Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG) or from the running bills.

12. Long Term Maintenance Support:

Tenderer (OEM) shall provide maintenance support after successful completion of the warranty obligations for a minimum period of **5 years**. The long term maintenance support shall be comprehensive and include all hardware and software of equipment supplied against this contract. RailTel should be extended the benefits of periodical software patches/updates made by OEM on the system from time to time for equipment security/performance without any additional cost to RailTel.

Buyer reserves the right to enter into AMC @ 3.5% of ordered value of equipment before 30 days of expiry of warranty period. In case bidder refuses to enter into AMC, PBG will be forfeited.

Separate agreement for AMC (Long term Maintenance Support) before expiry of warranty period shall be entered into with OEM/the authorized partner of OEM by RailTel. A fresh Bank Guarantee valid for Five years and four months for 10% of the Long Term Maintenance Support cost of five years, shall be required to be submitted by bidder for due fulfillment of long term maintenance support obligation.

Quarterly payment for AMC Charges would be made by RailTel after successful completion of AMC Services of that quarter and on the certificate furnished by concerned RailTel representative.

Note: The acceptance of the above clause is mandatory and specific acceptance from OEM is required to be enclosed as per Annexure-I. Any deviation / non acceptance will lead to rejection of the bid.

13. Payment Conditions :-

- i. 100% payment against full Supply, Installation & Commissioning ..
- ii. 80% payment against part Supply , Installation & Commissioning of the completed part as the case may be. In case bidder completes the supply order or order for supply , installation and commissioning as the case may be, for one Region , he can claim part payment of 80% against each Region's completed supply / completed installation & Commissioning of the said Region. Balance payment shall be made

after full supply or full installation & commissioning. The following documents are to be submitted for payment:

- a. Original Invoice
- b. Delivery Challan
- c. Original Consignee receipt with GRN No.
- d. Original Inspection Certificate
- e. Insurance Certificate.
- f. Warranty Certificate of OEM
- g. Copy of BG
- h. Certificate of receipt of Goods & installation thereof from RailTel.

14. On line Submissions:

The bidder is required to upload and submit the following documents on line before due date & time of bid. The due date & time for closing of the bid is **15:00 Hrs of 12.05.2020** and the bid will be opened at **15:30 Hrs of 12.05.2020**

- i. EMD
- ii. BOQ of offered equipment.
- iii. Clause wise compliance along with all mentioned documents/annexures for all clauses of GeM Bid and ATC documents.
- iv. Data Sheet of offered equipment.
- v. Financial (Certified copies of audited balance sheets/annual reports of last three preceding financial years) and Technical Eligibility Criteria documents.
- vi. Technical Compliance of all Specification of items as per GeM Bid and ATC documents.
- vii. Certificate from the End user against the Eligibility criteria for OEM para 9.
- viii. Proof of document required against Eligibility criteria of OEM and Bidder vide para 9 & 10 respectively.
- ix. Acceptance from OEM as per Annexure-I against long term maintenance support para 12.
- x. MAF/OEM Authorization as per Annexure-II.

Note: 1) Non submission of any document online within the prescribed time will make the bid to be summarily rejected

2) The bidder has to submit the hardcopy of the EMD document submitted on line with in three working days from the date and time of opening of the bid to the RailTel Corporate Office, 6th floor, Tower II, NBCC Building, East Kidwai Nagar, Kidwai Nagar, New Delhi-110023.

- 3)The bidder is required to give acceptance of all the clauses mentioned in the **“Information to the Bidders”** document is mandatory. Any deviation / non-acceptance may lead to rejection of the bid.
- 4) Information to Bidder viz. corrigendum /addendum/ amendments etc. for this bid shall be posted on www.railtelindia.com only.
- 5) The Consignee details/tentative list of stations where equipment's/items has to Supply, Installed, test and Commissioned are as per Annexure-III.
- 6) This bid is governed by the Specific Additional Terms & Conditions and General Terms & Conditions laid down by the GeM against **GeM Bid No: GEM/2020/B/628600 Dtd 26.04.2020**

Annexure-A, SOR

Schedule of Requirement			
SN	Description	Unit	Qty
1	Supply, Installation, Testing and commissioning of Type-I switches and all accessories required for their installation.	No.	791
2	Supply, Installation, Testing and commissioning of 19" 9U Racks and all accessories like power strip, MCB, Fantray etc. required for installation purpose of switches.	No.	791
3	Supply, Installation, Testing and commissioning of 12 Fibre FMS (SC-APC Type) and all accessories like patch chord, pigtails etc. required for installation purpose of switches.	No.	791
4	Supply, Blowing/Pulling/laying of STP CAT-6 along with all accessories required for installation, laying, fixing, clamping and cutting	Mtr.	95350
5	* Supply, Installation, Testing and commissioning of SFP-BX (10KM) Single Fibre	Pair	401
<p>Note:</p> <p>(i) *The quantity of SFPs are taken in number i.e (401 x2= 802 No.) in GeM Bid No: GEM/2020/B/628600 Dtd 26.04.2020, as unit in number are available in GeM for the SFPs. There is no change in the total cost of the SOR Item SN 5 i.e SFPs and will remain same.</p>			

The details of the specifications are available on website www.railtelindia.com

PROFORMA FOR THE LONG-TERM MAINTENANCE SUPPORT

(To be signed by the O.E.M.)

To
The Executive Director/Operations,
RailTel Corporation of India Limited

I / We hereby
confirm and accept that against RailTel Tender No.
....., there is a requirement of Long Term
Maintenance Support as per Clause 12. We confirm that Long Term Maintenance
Support shall be met by us directly or through Authorized partner, as the case may
be based on contracts. I / We have gone through the requirement mentioned in the
Tender document and shall provide services for the offered supply items.

(Signature of Firm's Authorized Officer)
Seal

Signature of witness:

1.
2.

Annexure-II

**Executive Director,
RailTel Corporation of India Ltd.**

Dated:

.....
.....
.....

**Subject: Manufacturer Authorisation form (MAF) to M/s for
.....**

Ref: GeM Bid No.....dated.....

Dear Sir,

We, M/s....., are established and reputed manufacturer and service provider of
.....(Product details), having our registered office at
.....

We hereby authorise M/s (bidder name), Office
..... to participate in bid and subsequently
upon award of the bid to execute the supply and Installation & Commissioning of our range
of products against your above said bid.

We further extend our warranty for years for our range of products offered by
M/s against the above-said bid.

Thanking you,
Best regards,

Authorised Signatory

Annexure-III**Consignee Details**

The tentative list of stations where equipment's/items has to Supply, Installed, test and Commissioned.

SN.	Station name	Region	State	Type-I Switch, 12 F FMS and 19"9U Rack (nos.)	STP CAT-6 (mtr.)
1	Adoni	SR	Andhra Pradesh	5	603
2	ADRA JN	ER	West Bengal	5	603
3	Ahmednagar	WR	Maharashtra	11	1269
4	AmbalaCantt.Jn.	NR	Haryana	7	1587
5	Amethi	NR	Uttar Pradesh	5	603
6	Angul	ER	Odisha	5	603
7	ANUPPUR JN	WR	Madhya Pradesh	5	603
8	BAGAHA	ER	Bihar	5	603
9	Balugaon	ER	Odisha	5	603
10	Banda	NR	UttarPradesh	11	1269
11	BandraTerminus	WR	Maharashtra	7	1618
12	Bankura	ER	West Bengal	5	603
13	BapudhamMotihari	ER	Bihar	11	1269
14	Bareilly City	NR	Uttar Pradesh	5	603
15	Barharwa	ER	Jharkhand	5	603
16	BARKA KANA	ER	Jharkhand	5	603
17	BARSOI JN	ER	Bihar	5	603
18	BEGAMPET	SR	Telangana	5	603
19	BEGU SARAI	ER	Bihar	5	603
20	Betiah	ER	Bihar	11	1269
21	BHABUA ROAD	ER	Bihar	5	603
22	Bhatapara	ER	Chhattisgarh	5	603
23	BathindaJn.	NR	Punjab	11	1269
24	BHAWANI MANDI	WR	Rajasthan	5	603
25	Bolpur	ER	West Bengal	5	603
26	Burhanpur	WR	Madhya Pradesh	11	1269
27	Chakia	ER	Bihar	5	603

28	CHAKRADHARPUR	ER	Jharkhand	5	603
29	Chandarpura	ER	Jharkhand	5	603
30	Changanacheri	SR	Kerala	5	603
31	CHATRAPUR	ER	Odisha	5	603
32	CHITRAKUTDHAM K	NR	Uttar Pradesh	11	1269
33	CHITTARANJAN	ER	Jharkhand	5	603
34	Dahod	WR	Gujarat	5	603
35	Dalsinghsarai	ER	Bihar	5	603
36	Daltonganj	ER	Jharkhand	11	1269
37	Dausa	NR	Rajasthan	5	603
38	Devlali	WR	Maharashtra	5	603
39	Dewas	WR	Madhya Pradesh	5	603
40	Dhamangaon	WR	Maharashtra	5	603
41	Dharmavaram	SR	Andhra Pradesh	5	603
42	Dholpur	NR	Rajasthan	5	603
43	Dhenkanal	ER	Odisha	5	603
44	Dhone	SR	Andhra Pradesh	5	603
45	Dibrugarh Town	ER	Assam	11	1269
46	DIPHU	ER	Assam	5	603
47	Dongargarh	WR	Chhattisgarh	5	603
48	Dumraon	ER	Bihar	5	603
49	Duvvada	SR	Andhra Pradesh	5	603
50	Dwarka	WR	Gujarat	5	603
51	Faizabad	NR	Uttar Pradesh	11	1269
52	Faridkot	NR	Punjab	5	603
53	Farrukhabad	NR	Uttar Pradesh	5	603
54	GADARWARA	WR	Madhya Pradesh	5	603
55	JaipurGandhinagar	NR	Rajasthan	11	1269
56	GANGAPUR CITY	WR	Rajasthan	5	603
57	GANJBASODA	WR	Madhya Pradesh	5	603
58	Garwa Road	ER	Jharkhand	5	603
59	Godhara	WR	Gujarat	5	603
60	Gooty Jn.	SR	Andhra Pradesh	5	603
61	GudurJn.	SR	Andhra Pradesh	11	1269
62	GuntakalJn.	SR	Andhra Pradesh	11	1269
63	Habibganj	WR	Madhya Pradesh	11	1269
64	Haldwani	NR	Uttarakhand	5	603
65	Hapa	WR	Gujarat	5	603

66	Harda	WR	Madhya Pradesh	5	603
67	HAN	WR	Rajasthan	5	603
68	Hindupur	SR	Andhra Pradesh	5	603
69	HOJAI	ER	Assam	5	603
70	Ichchhapuram	ER	Andhra Pradesh	5	603
71	IGATPURI	WR	Maharashtra	5	603
72	JALPAIGURI	ER	West Bengal	5	603
73	Jaunpur City	NR	Uttar Pradesh	5	603
74	Jhajha	ER	Bihar	5	603
75	JUNAGADH JN	WR	Gujarat	5	603
76	KANPUR ANWRGANJ	NR	Uttar Pradesh	5	603
77	Kasganj Jn.	NR	Uttar Pradesh	5	603
78	Kathua	NR	Jammu & Kashmir	5	603
79	Khajuraho	NR	Madhya Pradesh	5	603
80	Kishangarh	NR	Rajasthan	5	603
81	Kochuveli	SR	Kerala	5	603
82	Koderma	ER	Jharkhand	11	1269
83	Kurduwadi	WR	Maharashtra	11	1269
84	Kurukshetra	NR	Haryana	5	603
85	LAKSAR JN	NR	Uttar Pradesh	5	603
86	Lalkuan	NR	Uttarakhand	5	603
87	Lingampalli	SR	Andhra Pradesh	5	603
88	Malkapur	WR	Maharashtra	5	603
89	MankapurJn.	NR	UttarPradesh	5	603
90	Mantralayam Road	SR	Andhra Pradesh	5	603
91	MOKAMEH JN	ER	Bihar	11	1269
92	MURTAJAPUR	WR	Maharashtra	5	603
93	Nazibabad	NR	Uttar Pradesh	5	603
94	Nalgonda	SR	Andhra Pradesh	5	603
95	NarkatiaganjJn.	ER	Bihar	11	1269
96	Nursinghpur	WR	Madhya Pradesh	5	603
97	NAUGACHIA	ER	Bihar	5	603
98	NewBongaigaon	ER	Assam	5	603
99	NewCoochbehar	ER	West Bengal	11	1269
100	Nihal Garh	NR	Uttar Pradesh	5	603
101	GomohJn.	ER	Jharkhand	11	1269
102	Okha	WR	Gujarat	5	603
103	PAKUR	ER	Jharkhand	5	603

104	Pratapgarh	NR	UttarPradesh	11	1269
105	PENDRA ROAD	ER	Chhattisgarh	5	603
106	Phillaur Jn.	NR	Punjab	5	603
107	RaniGanj	ER	West Bengal	5	603
108	SagauliJn.	ER	Bihar	11	1269
109	SaharsaJn.	ER	Bihar	11	1269
110	SAHIBGANJ JN	ER	Jharkhand	5	603
111	SSPNilayam	SR	Andhra Pradesh	11	1269
112	Sakari Jn.	ER	Bihar	5	603
113	Sattur	SR	Tamil Nadu	5	603
114	SHAHDOL	WR	Madhya Pradesh	5	603
115	Shalimar	ER	West Bengal	11	1269
116	Shegaon	WR	Maharashtra	11	1269
117	Sompeta	ER	Andhra Pradesh	5	603
118	Sultanganj	ER	Bihar	5	603
119	Tandur	SR	Andhra Pradesh	5	603
120	Vikarabad Jn.	SR	Andhra Pradesh	5	603
121	Vindhyachal	NR	Uttar Pradesh	5	603
122	Vizianagaram	ER	Andhra Pradesh	11	1269
123	Wadi	WR	Karnataka	5	603
124	Wankaner	WR	Gujarat	5	603
125	Yelahanka	SR	Karnataka	5	603
			Total	791	95350

SFP-BX Distribution Region Wise		
SN	Regions	Qty(Pair)
1	ER	154
2	NR	90
3	SR	61
4	WR	96
	Total	401

(Jagdeep Singh)
Executive Director/Project
For & on behalf of RailTel Corporation of India Ltd.