



A mini
ratna enterprise

Purchase Order/ खरीद आदेश

Firm Name/ फर्म का नाम	SNR EDATAS PRIVATE LIMITED	Order No./ आर्डर नंबर	2002310112,0
Firm Address/ फर्म का एड्रेस	3 rd Floor, Semushi Towers, Plot No.21,, Rao & Raju Colony, Road No.2,Banjara Hills,, ,Hyderabad,, Telangana,, 500034	Issued For Operating Unit/ ऑपरेटिंग यूनिट के लिए जारी किया गया	RailTel-Eastern Region (OU)
		Issued By Operating Unit/ ऑपरेटिंग यूनिट द्वारा जारी किया गया	RailTel-Corporate Region
Website/ वेबसाइट		Issuing Date/जारी तारीख	30-JUN-23 (Int Issue Dt. 30-JUN-23)
Contact Person / संपर्क व्यक्ति	KV Jayaraj	Legacy No./ विरासत नंबर	
Phone No./ फ़ोन नंबर	7842435454	Global Order/वैश्विक आदेश	1002310112
Email Id/ ईमेल	jay@snredatas.com	Tender Type and Opening Date/ निविदा प्रकार और खोलने की तारीख	,
Fax No/ फ़ैक्स नंबर		Tender No./ निविदा संख्या	RailTel/Tender/OT/CO/Project/2022-23/Type-IV Switch/006 dated:07.11.2022.
PAN No./ पैन नंबर	AARCS7824C	Bid No. / बोली संख्या	
GSTIN Number/ जी स टी आई एन नंबर	36AARCS7824C1Z2	Buyers Details with Department/ विभाग के साथ खरीदार विवरण	Mr. Ravi Kumar Vishvakarma , Projects

Work Description/ कार्य विवरण	Supply, Installation and Supervision of Testing, Commissioning of Type-IV Switches/Routers including Integration with the existing MPLS/ SDH/DWDM network of RailTel.
Value of the Order (INR Figure and Words):	19,68,22,286.64 (Nineteen Crore Sixty Eight Lakh Twenty Two Thousand Two Hundred Eighty Six)Indian Rupee Only.

SOR Details

SN/ क्रमांक	Item Code/ आइटम कोड	Item HSN/SAC No/ एच.एस.एन / एस.एस.सी नंबर	Item Master Description/ आइटम मास्टर विवरण	Item Order Description/ आइटम आर्डर विवरण	UOM/ यू ओ एम्	Unit Price/ इकाई मूल्य	QTY/ मात्रा	Total Amount/ कुल राशि
1	140201000004	85176290	Router	Supply of Type-IV Switches/Routers with 3 years warranty as per tender requirements (Make & Model: SignallX & IMOSSA)	No.	566640	284	160925760
						PURCHASE_CO_IGST_18%_RECO		611971.2
						PURCHASE_ER_IGST_18%_RECO		28354665.6
						Total Line Amount		189892397.
2	150301000007	9917	Installation and Testing and Commissioning	Installation and Supervision of Testing, Commissioning of Type-IV Switches/Routers supplied including Integration with the existing MPLS/SDH/DWDM network of RailTel	No.	18000	284	5112000
						PURCHASE_CO_IGST_18%_RECO		19440

					PURCHASE_ER_IGST_18%_RECO	900720
					Total Line Amount	6032160
3	160101000010	9917	Training	Training of personnel over and above the on site training during the installation and supervision of testing, commissioning and integration period as detailed in the tender document	Man-We ek	42266 18 760788
					PURCHASE_ER_IGST_18%_RECO	136941.84
					Total Line Amount	897729.84

	Total Quantity	586
	Total Amount(Excl All Taxes)	16,67,98,548.00
	Total Amount(Incl All Taxes)	19,68,22,286.64

Delivery/Execution Schedule

S N.	RailTel GSTIN	Item Code	UOM	Qty	State	Need by Date	Section/ Delivery head	Locations under Section/Delivery Head	Consignee Address
1.3 .1	18AABCR7176C1ZC	140201000004	No.	29	Assam	28-NOV-23		RailTel-ER-ASSA M-INV	List enclosed
1.4 .1	10AABCR7176C1ZS	140201000004	No.	43	Bihar	28-NOV-23		RailTel-ER-BIHA R-INV	List enclosed
1.5 .1	22AABCR7176C1ZN	140201000004	No.	14	Chattisgarh	28-NOV-23		RailTel-ER-CHA TTISGARH-INV	List enclosed
1.6 .1	20AABCR7176C1ZR	140201000004	No.	33	Jharkhand	28-NOV-23		RailTel-ER-JHAR KHAND-INV	List enclosed
1.7 .1	23AABCR7176C1ZL	140201000004	No.	1	Madhya Pradesh	28-NOV-23		RailTel-WR-MA DHYA PRADESH-INV	List enclosed
1.8 .1	21AABCR7176C1ZP	140201000004	No.	25	Odisha	28-NOV-23		RailTel-ER-ODIS HA-INV	List enclosed
1.9 .1	19AABCR7176C1ZA	140201000004	No.	84	West Bengal	28-NOV-23		RailTel-ER-WES T BENGAL-INV	List enclosed
1.1 0.1	21AABCR7176C1ZP	140201000004	No.	5	Odisha	28-NOV-23		RailTel-ER-ODIS HA-INV	
1.1 1.1	10AABCR7176C1ZS	140201000004	No.	9	Bihar	28-NOV-23		RailTel-ER-BIHA R-INV	
1.1 3.1	19AABCR7176C1ZA	140201000004	No.	19	West Bengal	28-NOV-23		RailTel-ER-WES T BENGAL-INV	
1.1 4.1	18AABCR7176C1ZC	140201000004	No.	6	Assam	28-NOV-23		RailTel-ER-ASSA M-INV	
1.1 5.1	22AABCR7176C1ZN	140201000004	No.	3	Chattisgarh	28-NOV-23		RailTel-ER-CHA TTISGARH-INV	
1.1 6.1	20AABCR7176C1ZR	140201000004	No.	6	Jharkhand	28-NOV-23		RailTel-ER-JHAR KHAND-INV	
1.2 .1	09AABCR7176C1ZB	140201000004	No.	1	Uttar Pradesh	28-NOV-23		RailTel-NR-UTT AR PRADESH-INV	List enclosed
1.1 .1	37AABCR7176C1ZC	140201000004	No.	6	Andhra Pradesh	28-NOV-23		RailTel-SR-AND HRA PRADESH-INV	List enclosed

2.3 .1	18AABCR7176C1ZC	150301000007	No.	29	Assam	28-NOV-23		RailTel-ER-ASSA M-INV	List enclosed
2.4 .1	10AABCR7176C1ZS	150301000007	No.	43	Bihar	28-NOV-23		RailTel-ER-BIHA R-INV	List enclosed
2.5 .1	22AABCR7176C1ZN	150301000007	No.	14	Chattisgarh	28-NOV-23		RailTel-ER-CHA TTISGARH-INV	List enclosed
2.6 .1	20AABCR7176C1ZR	150301000007	No.	33	Jharkhand	28-NOV-23		RailTel-ER-JHAR KHAND-INV	List enclosed
2.7 .1	23AABCR7176C1ZL	150301000007	No.	1	Madhya Pradesh	28-NOV-23		RailTel-WR-MA DHYA PRADESH-INV	List enclosed
2.8 .1	21AABCR7176C1ZP	150301000007	No.	25	Odisha	28-NOV-23		RailTel-ER-ODIS HA-INV	List enclosed
2.9 .1	19AABCR7176C1ZA	150301000007	No.	84	West Bengal	28-NOV-23		RailTel-ER-WES T BENGAL-INV	List enclosed
2.1 0.1	21AABCR7176C1ZP	150301000007	No.	5	Odisha	28-NOV-23		RailTel-ER-ODIS HA-INV	
2.1 1.1	10AABCR7176C1ZS	150301000007	No.	9	Bihar	28-NOV-23		RailTel-ER-BIHA R-INV	
2.1 3.1	19AABCR7176C1ZA	150301000007	No.	19	West Bengal	28-NOV-23		RailTel-ER-WES T BENGAL-INV	
2.1 4.1	18AABCR7176C1ZC	150301000007	No.	6	Assam	28-NOV-23		RailTel-ER-ASSA M-INV	
2.1 5.1	22AABCR7176C1ZN	150301000007	No.	3	Chattisgarh	28-NOV-23		RailTel-ER-CHA TTISGARH-INV	
2.1 6.1	20AABCR7176C1ZR	150301000007	No.	6	Jharkhand	28-NOV-23		RailTel-ER-JHAR KHAND-INV	
2.2 .1	09AABCR7176C1ZB	150301000007	No.	1	Uttar Pradesh	28-NOV-23		RailTel-NR-UTT AR PRADESH-INV	List enclosed
2.1 .1	37AABCR7176C1ZC	150301000007	No.	6	Andhra Pradesh	28-NOV-23		RailTel-SR-AND HRA PRADESH-INV	List enclosed
3.1 .1	19AABCR7176C1ZA	160101000010	Man-W eek	18	West Bengal	28-NOV-23		RailTel-ER-WES T BENGAL-INV	

Terms and Conditions

Terms & Conditions	
Terms & Conditions	1. The Value mentioned in PO is inclusive of all taxes and duties. 2. Delivery, Installation, Testing, Commissioning & Integration period (Clause 4.A.4, chapter 4A) The materials are required to be delivered, installed, tested, commissioned & integrated within 180 days from the issue of LOA no. 1002310112 dtd. 01.06.2023. The bidder is required to submit the PERT chart showing the various activities which are required for supply, installation, testing, commissioning and integration of the equipment. The materials shall be delivered to the site as given in PO. Consignee address and contact details will be provided by region. 3. Warranty (Clause 4.A.2, chapter 4A) 3.1 The warranty would be valid for a period of 36 months after the completion of work in all sites and issue of Provisional Acceptance Certificate (PAC) as per clause 3.B.7.1 of Chapter-3B. The supplier shall warrant that stores to be supplied shall be new and free from all defects and faults in material, workmanship and manufacture and shall be of the highest grade and consistent with the established and generally accepted standards of materials of the type ordered

and shall perform in full conformity with the specifications and drawings. The supplier shall be responsible for any defects that may develop under the conditions provided by the contract and under proper use, arising from faulty materials, design or workmanship such as corrosion, inadequate quantity of material to meet equipment requirements, inadequate contact protection, deficiencies in design and/ or otherwise and shall remedy such defects at his own cost when called upon to do so by the Purchaser who shall state in writing in what respect the stores are faulty.

3.2 If it becomes necessary for the contractor to replace or renew any defective portion/portions of the supplies under this clause, the provisions of the clause shall apply to the portion/portions of the equipment so replaced or renewed or until the end of the above mentioned period or twelve months, whichever may be later. If any defect is not remedied within a reasonable time, the Purchaser may proceed to do the work at the contractor's risk & cost, but without prejudice to any other rights which the Purchaser may have against the contractor in respect of such defects.

3.3 Replacement under warranty clause shall be made by the contractor free of all charges at site including freight, insurance and other incidental charges.

4. Warranty Support (Clause 4.A.2.4, chapter 4A)

4.1 Material for repair during Warranty Period shall be handed over /taken over to contractors engineer/representative at RailTels regional NOC locations or sites where equipments are installed. During the warranty period, the contractor shall remain responsible to arrange replacement in next business day and for setting right at his own cost any equipment installed by him which is of defective manufacture or design or becomes unworkable due to any cause whatsoever. The decision of the RailTels representative in this regard to direct the contractor to attend to any damage or defect in work shall be final and binding on the Contractor. In case contractor fails to replace any faulty part in next business day, penalties will be imposed as per clause 7.5.2 of Chapter-7 of tender document.

4.2 During the warranty period, the contractor shall be responsible to the extent expressed in this clause for any defects that may develop under the conditions provided for by the contract and under proper use, arising from faulty materials, design or workmanship in the plant, or from faulty execution of the plant by the contractor but not otherwise and shall remedy such defects at his own cost when called upon to do so by the Purchaser Engineer who shall state in writing in what respect the portion is faulty.

5. PROVISIONAL ACCEPTANCE CERTIFICATE (PAC) (Clause 3.B.7, chapter 3B)

On Installation, testing, commissioning & integration of the equipments and Site Acceptance Test, Provisional Acceptance Certificate (PAC) will be issued by respective Territory Managers of concerned Region after checking of inter operability & other relevant feature from CNOC. PAC will not be held back for want of minor deficiencies not affecting the functioning of the overall system. Deficiencies, if any, pointed at the time of issuance of PAC, will be rectified by the contractor within one month.

6. FINAL ACCEPTANCE CERTIFICATE (FAC) (Clause 3.B.10, chapter 3B)

The final acceptance of the works completed shall take effect from the date of successful completion of 12 months after issue of final/last PAC in any case that the contractor has complied fully with his obligations in respect of each item under the contract. The Final Acceptance Certificate shall be signed by authorized representative of RailTel nominated by the ED/RGM of concerned region. Notwithstanding the issue of Final Acceptance Certificate, the contractor and the purchaser shall remain liable for fulfillment of any obligation incurred under the provision of the contract prior to the issue of Final Acceptance Certificate which remains unperformed at the time such certificate is issued and for determining the nature and extent of such obligation the contract shall be deemed to remain in force between the parties hereto.

7. Performance Bank Guarantee (Clause 4.A.6, chapter 4A)

7.1 The bidder has to furnish security deposit in the form of Performance Bank guarantee @ 3% of PO value i.e. Rs. 59,04,669/-. The same should be submitted in region within 30 days of issue of PO, failing which a penal interest of 15% per annum shall be charged for the delay period i.e. beyond 30 (thirty) days from the date of issue of PO. This PBG should be from a Scheduled Bank and should cover warranty period plus four months for lodging the claim. The performance Bank Guarantee will be discharged by the Purchaser after completion of the supplier's performance obligations including any warranty obligations under the contract.

7.2 The earnest money shall be released on submission of PBG. The Performa for PBG is given in Form no.-1 of Chapter-6 of tender document. If the delivery period gets extended, the PBG should also be extended appropriately.

7.3 The Performance Bank Guarantee (security deposit) will bear no interest.

7.4 This PBG would be released after satisfactory completion of contract including warranty period and only after

submission of PBG towards AMC as per clause 4.A.3.3 of tender document.

7.5 A separate advice of the BG will invariably be sent by the BG issuing bank to the RailTel's Bank through SFMS and only after this the BG will become acceptable to RailTel. It is therefore in interest of bidder to obtain RailTel's Bank IFSC code, Its branch and address and advise these particulars to the BG Issuing bank and request them to send advice of BG through SFMS to the RailTel's Bank.

7.6 Wherever the contracts are rescinded, the security deposit/PBG shall be forfeited and the SD/Performance Bank Guarantee shall be en-cashed by RailTel.

8. Payment Terms for Supply items (Schedule-A) (Clause 4.A.5, chapter 4A)

8.1 75% payment of the value of Schedule-A would be made on receipt of material by the consignee duly inspected and on submission of the following documents subject to any deductions or recovery which RailTel may be entitled to make under the contract:

(i) Valid Tax Invoice

(ii) Delivery Challan/ E-way bill

(iii) Packing list.

(iv) Factory Test Report.

(v) Purchaser's Inspection certificate

(vi) Consignee receipt

(vii) Warranty certificate of OEM

(viii) Insurance certificate

(ix) A certificate duly signed by the firm certifying that equipment/ materials being supplied are new and conform to technical specification.

8.2 15% payment of the value of Schedule-A shall be made by RailTel on Installation, Testing, Commissioning & Integration at site and Site Acceptance Test (SAT) Report issued by CNOC on recommendation of Regional NOCs. Further 5% payment of the value of Schedule-A shall be made by RailTel on issue of Provisional Acceptance Certificate (PAC) by respective Territory Managers of concerned region. Last 5% payment of the value of Schedule-A shall be made by RailTel on issue of Final Acceptance Certificate (FAC) by concerned region.

8.3 15% + 5% payment of value of supply items of Schedule-A which could not be installed for want of site readiness, will be made on issue of final PAC as per the decision of Executive Director (ED)/Regional General Manager (RGM) of concerned region and remaining 5% on issue of FAC.

8.4 Accounting unit/bill passing unit for the supplies under SOR is respective Regional Office. Bills to be submitted to the ED/RGM of Regions for passing for payment. The bidder will submit certifying receipt of material & services issued from consignee/regions, for passing for payment.

8.5 The breakup of taxes has to be furnished and same should be reflected in the bills so that any input credit can be availed by RailTel.

8.6 Payment of Service Items (Schedule-B & C)

8.7 90% payment of Schedule-B1 shall be made by respective Executive Director/Regional General Manager of the Region on successful Installation and Supervision of Testing, Commissioning and Integration, 5% on issue of PAC and final 5% on issue of Final Acceptance Certificate.

8.8 Payment of Schedule-B2 towards "Training of personnel over and above the on-site training during the installation and supervision of testing, commissioning & integration as detailed in the tender document" shall be made by respective Executive Director/Regional General Manager of the Region on successful completion of specified trainings.

8.9 Payment of Schedule-C1 towards "AMC/ Long Term Maintenance Support" would be paid quarterly by the concerned Region after satisfactory completion of AMC Services of that quarter and on certificate furnished by concerned RailTels representative of the Region.

9. Long Term Maintenance Support (Clause 4.A.3, chapter 4A)

9.1 Bidder/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 equipment supplied against this contract. RailTel should be extended the benefits of software update/up-grades made by OEM on the system from time to time to improve performance. During this period the scope of work as

	mentioned in clause 4.A.2 above & its sub clauses will be applicable. 9.2 A separate LOA/PO for long term maintenance support (AMC) of total amount Rs. 3,79,78,479/- inclusive of all taxes (4% of supply cost) for 5 year will be issued before expiry of warranty obligation. 9.3 LOA for AMC shall be issued by RailTel 3 months prior to the completion of warranty period and separate Agreement shall be signed with the Bidder/OEM. A fresh Bank Guarantee valid for a period of 4 months beyond the completion of AMC from the date of LOA shall be required to be submitted by OEM/ Tenderer for due fulfillment of long term maintenance support obligation. Value of PBG will be 10% of the total value of LOA issued for AMC for five years or will be kept as per Government of India guidelines applicable at the time of issue of LOA for AMC. This PBG of AMC shall be submitted by the bidder within 30 days from the date of issue of LOA for the AMC. In case bidder does not submit the PBG in the stipulated time period, RailTel may encash the PBG given with the original LOA. 9.4 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 of the Regional General Managers/ Executive Director of the Regions. 9.5 Detailed standard conditions applicable for the Annual Maintenance Contract between RailTel and the Contractor are given in chapter-7 of Tender document. 10. Locations is attached as Annexure-A. 11. Priced BOM submitted by bidder is attached as Annexure-B. 12. The nodal person from region for execution and contract management will be sh. Sandip Kumar Roy, Asst. GM/Project, Kolkata. Note: All Terms and conditions of Tender document and issued corrigendum will be applicable.
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Details of Indent Covered (If Any)

Indent No.	Indent Description	Indent Quantity
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Supplier Bank Detail

Bank Account NO	159411100001273
IFSC Code	UBIN0815942
Bank Name	Union Bank of India

* If above Bank Details are not ok, then kindly update Railtel immediately.

Seal of RailTel	
Issuing Authority Signature	
Issuing Authority Name, Designation, Department	Mr. Suresh Kumar, Executive Director, Projects Operations & Maintenance

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- 5.

Annexure-A

SN	Region	Railway	Division	Name of station	Name of State
1	ER	ER	ASN	ASANSOL MAIN	West Bengal
2	ER	ER	ASN	BHIMGARA JN.	West Bengal
3	ER	ER	ASN	DEOGHAR	Jharkhand
4	ER	ER	ASN	DUMKA	Jharkhand
5	ER	ER	ASN	JASIDIH JN.	Jharkhand
6	ER	ER	ASN	KAJORA GRAM	West Bengal
7	ER	ER	ASN	MADHUPUR JN.	Jharkhand
8	ER	ER	ASN	MAHESHA MUNDA	West Bengal
9	ER	ER	ASN	WARIA	West Bengal
10	ER	ER	ASN	SONACHARA STN.	West Bengal
11	ER	ER	ASN	SITARAMPUR JN.	West Bengal
12	ER	ER	ASN	ANDAL JN.	West Bengal
13	ER	ER	HWH	AZIMGANJ JN. CABIN	West Bengal
14	ER	ER	HWH	AHMADPUR JN. (BG)	West Bengal
15	ER	ER	HWH	BANDEL JN.	West Bengal
16	ER	ER	HWH	BELUR	West Bengal
17	ER	ER	HWH	BHATTA NAGAR	West Bengal
18	ER	ER	HWH	BARDDHAMAN JN.	West Bengal
19	ER	ER	HWH	CCLINK-WEST	West Bengal
20	ER	ER	HWH	CCLINK-EAST	West Bengal
21	ER	ER	HWH	DANKUNI JN.	West Bengal
22	ER	ER	HWH	GOSAINGRAM	West Bengal
23	ER	ER	HWH	HOWRAH JN.	West Bengal
24	ER	ER	HWH	KHANA JN.	West Bengal
25	ER	ER	HWH	KATWA JN.	West Bengal
26	ER	ER	HWH	LILUAH	West Bengal
27	ER	ER	HWH	NABA GRAM KANKURHATI	West Bengal
28	ER	ER	HWH	NALHATI JN.	West Bengal
29	ER	ER	HWH	RAMPUR HAT	West Bengal
30	ER	ER	HWH	SEORAPHULI JN.	West Bengal
31	ER	ER	HWH	SAKTI GARH JN.	West Bengal
32	ER	ER	HWH	SAINTHIA JN.	West Bengal
33	ER	ER	MLDT	BONIDANGA	West Bengal
34	ER	ER	MLDT	BONIDANGA LINK CABIN	West Bengal
35	ER	ER	MLDT	BHAGALPUR	Bihar
36	ER	ER	MLDT	BARAHAT	Bihar
37	ER	ER	MLDT	BARHARWA JN.	Jharkhand
38	ER	ER	MLDT	BALLALPUR	West Bengal
39	ER	ER	MLDT	HANSDIHA	Jharkhand
40	ER	ER	MLDT	JAMALPUR JN.	Bihar
41	ER	ER	MLDT	MONGHYR	Bihar
42	ER	ER	MLDT	NEW FARAKKA	West Bengal
43	ER	ER	MLDT	PORADANGA	West Bengal
44	ER	ER	MLDT	RATANPUR	Bihar
45	ER	ER	MLDT	TINPAHAR JN.	West Bengal

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46	ER	ER	SDAH	BALLYGUNGE JN.	West Bengal
47	ER	ER	SDAH	BALLY HALT	West Bengal
48	ER	ER	SDAH	BANGAON JN.	West Bengal
49	ER	ER	SDAH	BARUIPUR JN.	West Bengal
50	ER	ER	SDAH	BARASAT JN.	West Bengal
51	ER	ER	SDAH	DUMDUM CANTONMENT	West Bengal
52	ER	ER	SDAH	DUM DUM JN.	West Bengal
53	ER	ER	SDAH	HALISAHAR	West Bengal
54	ER	ER	SDAH	KANKURGACHHI ROAD JN.	West Bengal
55	ER	ER	SDAH	KALINARAYANPUR JN.	West Bengal
56	ER	ER	SDAH	KRISHNA NAGAR CITY JN.	West Bengal
57	ER	ER	SDAH	KALYANI JN.	West Bengal
58	ER	ER	SDAH	MAJERHAT	West Bengal
59	ER	ER	SDAH	NAIHATI JN.	West Bengal
60	ER	ER	SDAH	NAIHATI LINK CABIN	West Bengal
61	ER	ER	SDAH	PARK CIRCUS	West Bengal
62	ER	ER	SDAH	RANAGHAT JN.	West Bengal
63	ER	ER	SDAH	SONARPUR JN.	West Bengal
64	ER	ECR	DHN	Dhanbad	Jharkhand
65	ER	ECR	DHN	Gomoh	Jharkhand
66	ER	ECR	DHN	Chandrapura	Jharkhand
67	ER	ECR	DHN	Tori	Jharkhand
68	ER	ECR	DHN	Barkakana	Jharkhand
69	ER	ECR	DHN	Koderma	Jharkhand
70	ER	ECR	DHN	Garwah Road	Jharkhand
71	ER	ECR	DHN	Billi	Jharkhand
72	ER	ECR	DHN	Karaila Road	Jharkhand
73	ER	ECR	DDU	Manpur	Bihar
74	ER	ECR	DDU	Gaya	Bihar
75	ER	ECR	DDU	DDU	UP
76	ER	ECR	DDU	Sonnagar	Bihar
77	ER	ECR	DDU	Sasaram	Bihar
78	ER	ECR	DNR	Dildarnagar	Bihar
79	ER	ECR	DNR	Ara	Bihar
80	ER	ECR	DNR	Patna	Bihar
81	ER	ECR	DNR	Fatuha	Bihar
82	ER	ECR	DNR	Bakhtiarpur	Bihar
83	ER	ECR	DNR	Mokama	Bihar
84	ER	ECR	DNR	Danapur	Bihar
85	ER	ECR	DNR	Biharshrief	Bihar
86	ER	ECR	DNR	Phulwarisharif	Bihar
87	ER	ECR	DNR	Kiul	Bihar
88	ER	ECR	SEE	Pahleza	Bihar
89	ER	ECR	SEE	Sonpur	Bihar
90	ER	ECR	SEE	Hazipur	Bihar
91	ER	ECR	SEE	Bachwara	Bihar
92	ER	ECR	SEE	Barauni	Bihar
93	ER	ECR	SEE	Muzaffarpur	Bihar

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94	ER	ECR	SEE	Mansi	Bihar
95	ER	ECR	SEE	Khagaria	Bihar
96	ER	ECR	SPJ	Samastipur	Bihar
97	ER	ECR	SPJ	Darbhanga	Bihar
98	ER	ECR	SPJ	Saharsa	Bihar
99	ER	ECR	SPJ	Banmankhi	Bihar
100	ER	ECR	SPJ	Jhanjharpur	Bihar
101	ER	ECR	SPJ	Sakri	Bihar
102	ER	ECR	SPJ	Sitamarhi	Bihar
103	ER	ECR	SPJ	Raxaul	Bihar
104	ER	ECR	SPJ	Narkatiagnaj	Bihar
105	ER	ECR	SPJ	Sugauli	Bihar
106	ER	ECR	SPJ	Saraigarh	Bihar
107	ER	ECOR	KUR	TLHD	Odisha
108	ER	ECOR	KUR	RJGR	Odisha
109	ER	ECOR	KUR	NRG	Odisha
110	ER	ECOR	KUR	KIS	Odisha
111	ER	ECOR	KUR	BRAG	Odisha
112	ER	ECOR	KUR	JKPR	Odisha
113	ER	ECOR	KUR	HDS	Odisha
114	ER	ECOR	KUR	CTC	Odisha
115	ER	ECOR	KUR	PRDP	Odisha
116	ER	ECOR	KUR	KUR	Odisha
117	ER	ECOR	SBP	JSGR	Odisha
118	ER	ECOR	SBP	SRLA	Odisha
119	ER	ECOR	SBP	SBPY	Odisha
120	ER	ECOR	SBP	SBP	Odisha
121	ER	ECOR	SBP	BLGR	Odisha
122	ER	ECOR	SBP	TIG	Odisha
123	ER	ECOR	SBP	LJR	Odisha
124	ER	ECOR	SBP	SPRD	Odisha
125	ER	ECOR	WAT	NWP	Odisha
126	ER	ECOR	WAT	VZM	Andhra Pradesh
127	ER	ECOR	WAT	VBL	Andhra Pradesh
128	ER	ECOR	WAT	KTV	Andhra Pradesh
129	ER	ECOR	WAT	SCMN	Andhra Pradesh
130	ER	ECOR	WAT	DVD	Andhra Pradesh
131	ER	ECOR	WAT	KRPU	Andhra Pradesh
132	ER	NFR	KIR	Old Malda Jn.	West Bengal
133	ER	NFR	KIR	Eklakhi Jn.	West Bengal
134	ER	NFR	KIR	Kumedpur Jn.	West Bengal
135	ER	NFR	KIR	Mukuria Jn.	Bihar
136	ER	NFR	KIR	Barsoi Jn.	Bihar
137	ER	NFR	KIR	Aluabari Road Jn	West Bengal
138	ER	NFR	KIR	New Jalpaiguri Jn.	West Bengal
139	ER	NFR	KIR	Raninagar Jalpaiguri Jn.	West Bengal
140	ER	NFR	KIR	Katihar Jn.	Bihar
141	ER	NFR	KIR	Purnea Jn.	Bihar
142	ER	NFR	KIR	Forbesganj Jn.	Bihar

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143	ER	NFR	KIR	Siliguri Jn.	West Bengal
144	ER	NFR	APDJ	Y-Leg (SPL Class)	West Bengal
145	ER	NFR	APDJ	New Coochbehar Jn.	West Bengal
146	ER	NFR	APDJ	Samuktola Road Jn.	West Bengal
147	ER	NFR	APDJ	Fakiragram Jn.	West Bengal
148	ER	NFR	APDJ	Sivok	West Bengal
149	ER	NFR	APDJ	New Mal Jn.	West Bengal
150	ER	NFR	APDJ	Alipurduar Jn.	West Bengal
151	ER	NFR	APDJ	Golakganj Jn	Assam
152	ER	NFR	APDJ	Gauripur Jn	Assam
153	ER	NFR	APDJ	Maynaguri Road	West Bengal
154	ER	NFR	APDJ	New Changrabanda Jn.	West Bengal
155	ER	NFR	RNY	New Bongaigaon Jn.	Assam
156	ER	NFR	RNY	Rangiya Jn.	Assam
157	ER	NFR	RNY	Abhayapuri Assam Jn.	Assam
158	ER	NFR	RNY	Dudhnai Jn	Assam
159	ER	NFR	RNY	Rangapara North Jn.	Assam
160	ER	NFR	RNY	Balipara Jn.	Assam
161	ER	NFR	RNY	Harmuti Jn	Assam
162	ER	NFR	RNY	Bogibil North Block Hut	Assam
163	ER	NFR	LMG	Kamakhya Jn.	Assam
164	ER	NFR	LMG	Chaparmukh Jn.	Assam
165	ER	NFR	LMG	Senchoa Jn.	Assam
166	ER	NFR	LMG	Lumding Jn.	Assam
167	ER	NFR	LMG	Dhansiri Jn	Assam
168	ER	NFR	LMG	Badarpur Jn.	Assam
169	ER	NFR	LMG	Karimganj Jn.	Assam
170	ER	NFR	LMG	Baraigram Jn.	Assam
171	ER	NFR	LMG	Katahal Jn.	Assam
172	ER	NFR	LMG	Arunachal Jn	Assam
173	ER	NFR	TSK	Furkating Jn.	Assam
174	ER	NFR	TSK	Mariani Jn.	Assam
175	ER	NFR	TSK	Amguri Jn	Assam
176	ER	NFR	TSK	Simalaguri Jn.	Assam
177	ER	NFR	TSK	New Tinsukia Jn	Assam
178	ER	NFR	TSK	Chalkhoa Jn	Assam
179	ER	NFR	TSK	Makum Jn.	Assam
180	ER	NFR	TSK	Dibrugarh Jn	Assam
181	ER	NFR	TSK	Dhamalgaon Jn	Assam
182	ER	SER	Kharagpur	Santragachi	West Bengal
183	ER	SER	Kharagpur	Andul	West Bengal
184	ER	SER	Kharagpur	Panskura	West Bengal
185	ER	SER	Kharagpur	Tamluk Junction cabin	West Bengal
186	ER	SER	Kharagpur	Kharagpur	West Bengal
187	ER	SER	Kharagpur	Rupsa	West Bengal
188	ER	SER	Kharagpur	Nimpura	West Bengal
189	ER	SER	Chakradharpur	Tatanagar	Jharkhand
190	ER	SER	Chakradharpur	Gamharia	Jharkhand

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191	ER	SER	Chakradharpur	Kandra	Jharkhand
192	ER	SER	Chakradharpur	Sini	Jharkhand
193	ER	SER	Chakradharpur	Rajkharswan	Jharkhand
194	ER	SER	Chakradharpur	Padapahar	Jharkhand
195	ER	SER	Chakradharpur	Barajamda	Jharkhand
196	ER	SER	Chakradharpur	Bondamunda	Odisha
197	ER	SER	Chakradharpur	Rourkela	Odisha
198	ER	SER	Chakradharpur	Dhutra	Odisha
199	ER	SER	Chakradharpur	Jharsuguda	Odisha
200	ER	SER	Chakradharpur	Bimlagarh	Odisha
201	ER	SER	Adra	Bankura	West Bengal
202	ER	SER	Adra	Adra	West Bengal
203	ER	SER	Adra	Joychandipahar	West Bengal
204	ER	SER	Adra	Garhhrubeshwar	West Bengal
205	ER	SER	Adra	Anara	West Bengal
206	ER	SER	Adra	Rukin	West Bengal
207	ER	SER	Adra	Bhojudih	West Bengal
208	ER	SER	Adra	Damodar	West Bengal
209	ER	SER	Adra	Purulia	West Bengal
210	ER	SER	Adra	Chandil	Jharkhand
211	ER	SER	Adra	Kotsila	Jharkhand
212	ER	SER	Adra	Bokaro "N" cabin	Jharkhand
213	ER	SER	Adra	Talgoria	Jharkhand
214	ER	SER	Adra	Talgoria S/B	Jharkhand
215	ER	SER	Adra	Mahuda	Jharkhand
216	ER	SER	Adra	Sudamdih	Jharkhand
217	ER	SER	Ranchi	Muri	Jharkhand
218	ER	SER	Ranchi	Kita	Jharkhand
219	ER	SER	Ranchi	Gangaghat	Jharkhand
220	ER	SER	Ranchi	Ranchi	Jharkhand
221	ER	SECR	Bilaspur	Bilaspur	Chhatishgarh
222	ER	SECR	Bilaspur	Champa	Chhatishgarh
223	ER	SECR	Bilaspur	Kharsia	Chhatishgarh
224	ER	SECR	Bilaspur	Anuppur	Chhatishgarh
225	ER	SECR	Bilaspur	Boridand	Chhatishgarh
226	ER	SECR	Bilaspur	New Katni Junction	MP
227	ER	SECR	Bilaspur	Ambikapur	Chhatishgarh
228	ER	SECR	Bilaspur	Chirimiri	Chhatishgarh
229	ER	SECR	Bilaspur	Gevera Road	Chhatishgarh
230	ER	SECR	Bilaspur	Jharsuguda	Odisha
231	ER	SECR	Raipur	Raipur	Chhatishgarh
232	ER	SECR	Raipur	Durg	Chhatishgarh
233	ER	SECR	Raipur	Mandirhasaud	Chhatishgarh
234	ER	SECR	Raipur	Udyog Nagar	Chhatishgarh
235	ER	SECR	Raipur	Lakholi	Chhatishgarh
236	ER	SECR	Raipur	Antagarh	Chhatishgarh
237	ER	To be provided separately			Odisha
238	ER	To be provided separately			Odisha

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239	ER	To be provided separately	Odisha
240	ER	To be provided separately	Odisha
241	ER	To be provided separately	Odisha
242	ER	To be provided separately	Bihar
243	ER	To be provided separately	Bihar
244	ER	To be provided separately	Bihar
245	ER	To be provided separately	Bihar
246	ER	To be provided separately	Bihar
247	ER	To be provided separately	Bihar
248	ER	To be provided separately	Bihar
249	ER	To be provided separately	Bihar
250	ER	To be provided separately	Bihar
251	ER	To be provided separately	West Bengal
252	ER	To be provided separately	West Bengal
253	ER	To be provided separately	West Bengal
254	ER	To be provided separately	West Bengal
255	ER	To be provided separately	West Bengal
256	ER	To be provided separately	West Bengal
257	ER	To be provided separately	West Bengal
258	ER	To be provided separately	West Bengal
259	ER	To be provided separately	West Bengal
260	ER	To be provided separately	West Bengal
261	ER	To be provided separately	West Bengal
262	ER	To be provided separately	West Bengal
263	ER	To be provided separately	West Bengal
264	ER	To be provided separately	West Bengal
265	ER	To be provided separately	West Bengal
266	ER	To be provided separately	West Bengal
267	ER	To be provided separately	West Bengal
268	ER	To be provided separately	West Bengal
269	ER	To be provided separately	West Bengal
270	ER	To be provided separately	Assam
271	ER	To be provided separately	Assam
272	ER	To be provided separately	Assam
273	ER	To be provided separately	Assam
274	ER	To be provided separately	Assam
275	ER	To be provided separately	Assam
276	ER	To be provided separately	Chhatishgarh
277	ER	To be provided separately	Chhatishgarh
278	ER	To be provided separately	Chhatishgarh
279	ER	To be provided separately	Jharkhand
280	ER	To be provided separately	Jharkhand
281	ER	To be provided separately	Jharkhand
282	ER	To be provided separately	Jharkhand
283	ER	To be provided separately	Jharkhand
284	ER	To be provided separately	Jharkhand

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BILL OF MATERIAL (BOM) WITH PRICE OF MODULES/ CARDS																		
S N	HSN Code	Description	Total Qty	EX-		Factory Price (Basic Unit Price exclusive of all levies and charges) (in Rs.)	EX-		Factory Price (Basic Total Unit Price exclusive of all levies and charges) (in Rs.)	Pkg & Forwarding Charges		Freight & Insurance Charges		Other Charges and Levies (to be specified by bidder)	GST		Price Per Unit (all inclusive) for delivery at destination on (5+7+9+10+12)	
										%	Amt (in Rs.)	%	Amt (in Rs.)		%	Amt (in Rs.)		%
1	85176290	SIGNALX iMossa Chassis with Dual DC Power Supply, Fan Tray with No Controller Card and No Interface Card	880	4	3,45,910	5	3,45,910	6	7	8	9	10	11	12	13	18%	62,264	4,08,174
	85176270	Controller Card	1,760		56,645		1,13,290	-		-	-	-	-	-		18%	20,392	1,33,682
	85176270	4 x 10 GE Interface Card	1,760		53,720		1,07,440	-		-	-	-	-	-		18%	19,339	1,26,779
																TOTAL		6,68,635

Note: Each Type-IV switch requires Two nos. of controller cards and two nos. of 4 x 10GE interface cards.

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