CORRIGENDUM No.4
Corrigendum no. 4 dated 15.12.2022
Tender no. RailTel/e-Tender/SLT/SR/SC/2022-23/161
Name of the Work: "Design, Supply, Installation, Commissioning and Maintenance for 5 years of Network Infrastructure for NMDC from RailTel's Empaneled Business Associates"
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Extension of Due Date of Submission of e-Bids		
	Due Date	**Extended Due Date**
Closing date for Submission of E-Bids	Up to 15:00 hrs. of 16.12.2022 (online)	Up to 15:00 hrs. of 21.12.2022 (online)
Date of opening of E-Bids	Up to 15:30 hrs. of 16.12.2022 (online)	Up to 15:30 hrs. of 21.12.2022 (online)
Chapter: 4A -Commercial Terms & Conditions		
Clause No: 4.A.52 - Preference to Domestic Manufacturers		
Sub Clause/RFP pg no.	**Original Clause**	**Revised Clause**
Pg 92,203	In price bid, the bidder shall provide price Break- up of "Local Content" and "Imported Content" for each SOR item as per DPIIT's PMI Policy and its clarifications and same shall be uploaded by the bidders along with their price bid in the e- procurement portal.	The bidder shall provide % of Local Content for each SOR item and same shall be uploaded by the bidders under Technical Bid as per format given below*.
Chapter -4A Commercial Terms & Conditions		
4.A.31 Earnest Money Deposit (EMD)		
pg 84	EMD in the form of BG Scan Copy to be submitted under BG Option enabled under EMD in e-Nivida Portal	
pg 168- 172	Technical Specification of OEM Element Management System after pt. 39 (i.e. pt.10 to pt.70) stands deleted due to Typo error as it pertains to Technical Specification of Enterprise Management System.	
Chapter: 6 -Form (s)/ Proforma (s)		
Form No. 10 -PROFORMA FOR SELF CERTIFICATION REGARDING LOCAL CONTENT (LC) FOR TELECOM PRODUCT, SERVCIES OR WORKS		
pg130	That I agree to abide by the terms and conditions of Department of Telecommunications, Government of India issued vide Notification No: ……..dated ……..	That I agree to abide by the terms and conditions of Department of Telecommunications, Government of India issued vide Notification No: 18-10/2017- IP dated 29th August 2018

CHAPTER- 7 Specifications and requirements		
7.2.3 Network Switches		
7.Access Switch – Type 1 (Support)	**Original Clause**	**Revised Clause**
3	Switch should have 16MB or more packet buffer.	Switch should have 1.5 MB or more packet buffer.
4	During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic.It should support for a minimum internal SSD strorge of 200Gb with the ability host 3rd party container applications .	Switch should support System's Software integrity check and System should be capable to understand that system OS are authentic and unmodified or any equalent feature for OS integrity checking.
5	Should support IEEE 802.1AE MACSEC (AES 256) on all ports.	Should support IEEE 802.1AE MACSEC (AES128 or AES256) on all ports.
8.Access Switch (Industrial Grade) – Type 2 (Security)	**Original Clause**	**Revised Clause**
8	a. 802.1x support b. MAC-based Authentication c. DHCP relay ipv4/ipv6, Snooping d. ACL support, Sflow, RMON, RADIUS, TACACS+ e. IP Source Guard, Flow Control and Storm Control	a. 802.1x support b. MAC-based Authentication c. DHCP relay ipv4/ipv6, Snooping d. ACL support, Sflow, RMON, RADIUS, TACACS+ e. IP Source Guard or equivalent, Flow Control and Storm Control
7.3 Wireless Solution		
2. Access Point (Outdoor)		
	Original Clause	**Revised Clause**
4	The Access Point should have auto-sensing 100/1000/2500 Mbps RJ45 port with other 10/100/1000 Mbps Ethernet 802.3at POE out capability.	The Access Point should have auto-sensing 100/1000/2500 Mbps RJ45 port

4.Point to Multi Point Radio (PMP)		
1(pg 164) & Pg 9,16(SOR & Unpriced Bid)	PTP/ PMP Radio should be carrier class Radio (based on non-Wi-Fi Chipset) with 27dB or better Tx power, 2x2 OFDM. By varying the uplink and downlink speeds more remote radios can be connected and up to maximum throughput of 300 Mbps (aggregate). CPE shall be configurable for variable speed of uplink & downlink. Should be IP66 or better with -20 to +60degree temperature support and ruggedized, should have Gigabit Eth port, channel size 5, 10,20, 40 MHz, MTU 1700Byte, FIPS-197 128/256-bit AES IPv4/IPv6 (dual stack), Telnet, FTP, SNMPv2c, v3. Should support Govt Regulations as per GSR1048(E) safety standards - UL 60950	PTP/ PMP Radio should be carrier class Radio (based on non-Wi-Fi Chipset) with 27dB or better Tx power, 2x2 OFDM. By varying the uplink and downlink speeds more remote radios can be connected and up to maximum throughput of 300 Mbps (aggregate). CPE shall be configurable for variable speed of uplink & downlink. Should be IP66 or better with -20 degree C to +60 degree C temperature support and ruggedized, should have Gigabit Eth port, channel size 5, 10,20, 40 MHz, MTU 1500Byte or more, FIPS-197 128/256-bit AES IPv4/IPv6 (dual stack), Telnet, FTP, SNMPv2c, v3. Should support Govt Regulations as per GSR1048(E) safety standards - UL 60950
7.3 Wireless Solution		
1.Access Point (Indoor)		
6	Must support 4x4 multiple-input multiple-output (MIMO) on both radio interfaces.	Must support 4x4 multiple-input multiple-output (MIMO)
***Local Content Format**		

SOR					
S.No	**Description**	**Unit**	**Qty**	**Make/Model**	**% of Local Content**
Local Content % for Overall Solution					

Sd/-
(P.Vikrant Kumar)
RailTel Corporation of India Limited