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From : Director, CSIR-National Physical Laboratory

No. 14-VI/DSY(1066)2021PB/T-95

Dated : 13.12.2021

CORRIGENDUM

With reference to NPL's Global Tender No. 14-VI/DSY(1066)2021PB/T-95 for the procurement of NTP Server. Kindly note the following extension in **date** of submission & date of opening of the said tender :-

For : Due date & Time of tender submission
Read as : 28.12.2021 up to 03.00 PM (IST)

For : Date & Time of Tender Opening
Read as : 29.12.2021 from 3.00 PM (IST) onward

Apart from above, it is hereby informed that there are some change in Technical Specification of said Tender also. Hence revised broad based specification after PBC is ATTACHED with this Corrigendum in addition to some commercial terms . Accordingly, all the interested bidders may submit their offer accordingly.

Please also note that bids submitted without taking these changes into consideration will be rejected summarily.

All other terms & conditions will remain the same. The Corrigendum is also available on CSIR-NPL official website <http://www.nplindia.org> under Tender link.

Sd/-

(Controller of Stores & Purchase)

GENERAL CLARIFICATIONS ON COMMERCIAL / TENDER TERMS – MISC

- **Contradictory Bid Document Terms / Clauses:** Wherever there is contradiction between any term related to delivery, warranty etc. at different places in the tender document, the ones mentioned in the Technical Specifications part shall hold good and will be final for the purpose of tender evaluation.
- **Item Delivery Period:** If not mentioned clearly in the Technical Specifications part of the bid document, normal delivery period for all items shall be 6-8 months after opening of LC.
- **Payment Terms:** Payment shall normally be through LC (90% payable at the time of dispatch of items and 10% after successful SITC of the item on the basis of installation certificate from the concerned person and submission of the PBG @ 3% of the total order value. References to PBG @10% elsewhere in the bid document may be ignored.
- **PBG Validity:** PBG shall be valid for a period of warranty (5 years in this case) plus 60 days from the date of satisfactory installation / SITC.
- **Delivery Place:** Delivery of items will either be at NPL New Delhi or at ISRO Centre in Bangalore as per the details in the specification sheet. Quotations should be submitted accordingly.
- **Warranty Obligations (O&M, Manpower Costs etc.):**After successful acceptance and installation, items will subsequently be relocated to various centers i.e. RRSLs at Faridabad, Ahmedabad, Bangalore, Bhubaneswar and Guwahati. Supplier will have to ensure servicing / repair etc. during the warranty period on site at these locations only at their risk and costs. In case any of such item is required to be sent abroad (OEM service center / factory) for repair, all expenses related to customs clearance, to and fro logistics and all related expenses will have to be borne by the supplier only. During such time either the supplier shall provide the replacement item during the warranty period or extend the validity of the warranty to compensate for the repair period.
- **Evaluation / Comparison of Bids:** Notwithstanding anything contained in Clause 1.30.7 of the bid document, wherever only import offers are received in response to the bid, comparison shall be done on FCA shipment port basis for deciding L1. However if the bid response also have bids submitted by domestic supplier in INR, then the bid comparison will be done on the basis of final landing cost as described and comparison between the indigenous and the foreign offers should be made on FOR destination basis and CIF/CIP basis respectively. However, the CIF/CIP prices quoted by any foreign bidder will be loaded further towards customs duty and other statutory levies– as per applicable rates and towards custom clearance, inland transportation etc. @ 2% of the CIF/CIP value. Please note that ‘optional items’ will not be taken for the purpose of comparison unless they form part of the main indented specification. Cost of AMC or CMC after the warranty period mentioned as % of the quoted price, will not be taken for the purpose of deciding L1.
- **Bid Security:** Bid security or EMD is only in the form of Bid Securing Declaration (BSD) format for which is provided in the bid document. Reference to any other bid security instrument may be ignored.

REVISED SPECIFICATIONS AFTER PBC

Item	NTP Server
Quantity	15
Warranty	Standard Warranty for 5 Years
Point of Delivery	IDSN, ISTRAC, ISRO, Bangalore

Detailed Specifications

	The NTP server shall be offered with the following specifications:
1	Server capabilities:
1.1	The server shall have a capability to accept a peer NTP server as reference.
1.2	Shall realize time with Stratum 1.
1.3	Shall provide the advance leap second information via NTP and IRIG
1.4	Shall be corrected for the leap seconds.
1.5	The server shall have the provision to configure the reference signal to either internal or external. The server shall hold the saved configuration even after a power reboot.
2	Holdover Accuracy: 1 day holdover better than 30 μ s.
3	Internal Reference: NTP Server shall have OCXO or better oscillator as internal frequency source.
4	Input Signals: Minimum three ports, one each for 10 MHz, 1 PPS and IRIG (Configurable/nonconfigurable)
4.1	Ext. 10 MHz Ref Input: The server shall have Provision to feed external 10 MHz frequency reference signal. The server shall have at least one number of BNC(F)/SMA(F) connector. The sever shall accept 10 MHz, Level 0 to 13 dBm, 50ohm Impedance, sine wave.
4.2	Ext. 1 PPS Input: NTP server shall have at least one number of BNC(F)/SMA(F) connector Port for 1 PPS external input with TTL compatible level (to trigger measurement event.)
4.3	IRIG Input: The Server shall have the capability to lock to external IRIG input. Server shall have at least one number of BNC(F)/SMA(F) connector, Provision to feed external IRIG signal for timing.
5	NTP Input: The Server shall have the capability to lock to external NTP input. Minimum 1 port
6	GNSS Input: Server shall have at least one number of BNC(F)/SMA(F) port for GNSS input signal.
7	Output Signals: Minimum six ports (10 MHz: 2 ports, 1 PPS: 2 ports, IRIG: 2 ports) (Configurable/nonconfigurable)
7.1	10 MHz Output: The server shall have at least two number of BNC(F)/SMA(F) connector for 10 MHz output NTP server shall output the 10 MHz signal (Level 10 dBm +/- 1 dB, 50 Ω Impedance, sine wave).
7.2	1 PPS Output: The server shall have at least two number of BNC(F)/SMA(F) connector Port for 1 PPS output. NTP server shall output the 1 PPS output signal with TTL compatible levels, 50 Ω Impedance.

7.3	IRIG Output: The Server shall provide IRIG-B outputs (IRIG – B 125 format). NTP server shall have at least two number of BNC (F)/SMA (F) connector Port for IRIG-B Outputs.
8	LAN PORTS (NTP): The server shall have at least 3 Nos. 1 Gigabit Ethernet ports and 1 Nos. of 10/100Ethernet port for supporting NTP requests with NTP version 3 and 4. NTP server shall support ≥ 9000 NTP requests per second.
9	Accessibility: The server shall be configurable locally with keypad and display. The server shall be accessible from remote clients with web interface providing full control of the server. The server shall provide the status of the inputs, outputs, and major subsystems. The server shall have provision for Firmware up gradation
10	GNSS Antenna System: GNSS antenna, GNSS cable (minimum length 50m), accessories/ mounting kit, Surge arrestors etc shall be provided with the NTP server.
11	Environmental specifications Operating Temperature: 0°C to +50°C Storage Temperature: -20°C to +70°C.
12	Power Supply and Form Factor: The unit shall be capable of operating on 230 volt +/-10% /50 Hz AC or as per Indian standard. The server shall be 19-inch rack mountable and realized in a single chassis.
13	Qualification Criterion: Record of supply (purchase order and installation record) of same instrument to NMI or record of supply and continuous performance or at least 3 years (purchase order, installation record and certificate of continuous performance for at least 3 years by the user organization of same proposed item at non-NMI labs/ organization)