**Clarification dated May 04, 2022**

**ITB/022/ IND-2022 : (Event ID - IND10-0000012007)**

**"Supply of Temperature Loggers for Vaccine Cold Chain Monitoring in India"**

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In response to queries received with respect to the ITB document for "*Supply of Temperature Loggers for Vaccine Cold Chain Monitoring in India*", the following clarifications are issued for information of all concerned.

| SL. NO. | QUERY RAISED BY PROSPECTIVE BIDDER | UNDP'S RESPONSE |
|---|---|---|
| 1. | The first step of device and SC IT APP interaction is configuration.<br><br>For pull configuration, Device should have URL and GPRS / WiFi internet.<br><br>For SMS Push Configuration device should have Admin/SMS gateway information.<br><br>Hence it is advisable that loggers come pre-configured with default settings (URLs and SMS gateway credentials).<br><br>Above mentioned pre-configuration opens the door for device to get APN and WiFi credentials. | No change. |
| 2. | Your SC IT app has ticketing system with SLAs defined, kindly let us know the lot size of the loggers that will be sent for repair/replacement and who will bear the cost of logistics. | Lot size varies from state to state. UNDP will bear the cost of logistics. |
| 3. | Regarding clarification no. 6 (Pre-Bid Minutes), It is a good idea if you could share SMS and Internet APIs with essential parameters only. | No change in API document. |
| 4. | Existing Loggers are in use with UNDP SC IT Application.<br><br>Kindly provide us following details if different from above:<br><br>a. URL of SC IT application and access /login credentials. | a. url is same evinonline.in, please share reason for accessing login credentials. |

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| | b. SMS API / sample strings (with default values) for SMS (push) Config to Logger, as well as from Logger, data /alerts to your SC IT App. | b. Will be provided after award of contract. |
| | c. SMS Encryption logic /code or script while sending data through SMS from Logger if wifi /GPRS not available. | c. Will be provided after award of contract. |
| 5. | Kindly provide clarifications against following points: | |
| | a. Relevant CE standard for LCD Display, It's a component hence CE is not applicable, Is it okay? | a. No Change |
| | b. Manufacturer / EMS who are ISO 9001 certified provide RoHS certificate for the manufacturing of the device, We get RoHS certificate for material used for cabinet manufacturing. Does this suffice? | b. Manufacturer can provide ROHS Certificate for the manufacturing process. Final comments can be provided after checking the submitted document only. |
| 6. | Following 3 things are shown optional in Temperature Logging API:<br><br>1)"sId": "\<string>",<br> // (optional) ID of the sensor, if any (for multi-sensor devices) | 1)"sId": "\<string>",<br> // (optional) ID of the sensor, if any (for multi-sensor devices)<br><br>API supports 2 types of loggers. Which can have 2 sensors or 5 sensors. Sensor IDs should be "A", "B", "C", "D" and "E" for 5 sensor loggers. Or "B" and "D" for 2 sensor loggers. If temperature is sent then, "sId" is mandatory. The "sId"'s "B" and "D" are always needed to be sent from any logger. If sensor not in working condition logger doesn't have to send both temperature and sensor Id. |
| | 2)// "pwa": {<br>(optional) power availability transition between power-in and power-out states | 2)// "pwa": {<br>(optional) power availability transition between power-in and power-out states<br><br>Send power availability only when power state changes (Example, available to unavailable). |

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| | 3)"asm": <integer> // (optional) Active sim: 0 - Primary sim is active, 1 - Alternate sim is active | 3)"asm": <integer> // (optional) Active sim: 0 - Primary sim is active, 1 - Alternate sim is active<br><br>This parameter is definitely optional, and it is not related to sensor. |
| | We have started with very first API (Temperature Logging API) and discarded these 3 options as per your response point no. 6 (Pre-Bid Minutes) (Mandatory are the parameters which are not mentioned optional.) considering power availability and active sim details are not to be used but then stuck at the point about how to define which temperature is for which sensor? (either temperature is not mandatory or "sId" is not optional or there is some different method to define the temperature readings to different sensors). | |
| | There are many such confusions and contradictions between all the documents and clarifications, we request you to share the clean and accurate API document to be able to develop the product as per your requirement. | |
| | Removing all optional items and keeping only mandatory items will make the whole document neat and small to help developing the product in such a short time, for an example Device Alarm Logging API where all alarms are optional and whole Stats. Logging API is also optional so these two can be removed, major portion of Configuration Pull API is also optional and so on. | |
| 7. | In the bid document you have mentioned that more than 24000 loggers have been procured & installed. Development of logger to your specification in less than two weeks is not practical and may be undertaken by your existing supplier(s).<br><br>Kindly respond to above queries, provide desired details and advise about the timeline. | Development to be done as per the specification provided in the ITB. There is no change in the timelines. |
| 8. | At various places in the document, temperature data, alerts / alarms are to be sent through SMS when GPRS/Internet are not available, what is the format? | Will be provided after award of contract. |

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| 9. | Push configuration using SMS is going to be very long considering 160 character limit of SMS, what is the format of this configuration, can you share a working example with us. | Will be provided after award of contract. |
| 10. | To test our device on your supply chain IT application, you have mentioned sharing of access and login credentials, Kindly provide. (Section 5-E) Lab testing S/N 28 and point 10 of your response. | Will be provided after award of contract. |
| 11. | Kindly provide encryption logic to send data using SMS as mentioned in your clarifications along with a working sample | Will be provided after award of contract. |
| 12. | The logger will send this encrypted data either to supply chain IT Application directly or through third party SMS gateway, what is the mechanism and which API handle encrypted SMS? We could not find any details on SMS handling. (Refer point 5 of Application Programming Interfaces page 40 of ITB) | The loggers will send encrypted data to the SMS gateway phone number only. The API will be shared to SMS provider from where the encrypted data which is sent by logger will be posted to the EVIN server. |

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