

**NEPAL TELECOMMUNICATIONS AUTHORITY (NTA)**

Kamaladi, Kathmandu, Nepal

**Clarification No. 1**

**Supply, Installation and Commissioning of the Probing based Quality of Service Measurement System**

**National Competitive Bidding (NCB)**

**IFB No. 01-NTA-QOSMS-2076/77**

**(Date of issue of Clarification No 1: 7<sup>th</sup> November, 2019)**

Pursuant to Clause No. 10 of ITB of bidding document, all prospective bidders are hereby informed that following are the clarification made in the Bidding Documents for above said contract

<b>S No.</b>	<b>Section/ Clause No. and Page of BID</b>	<b>Clause as per BID</b>	<b>Query</b>	<b>Clarrification</b>
1.			The tender is based on National Competitive Bid. After studying the requirement from NTA it is clear that the required Hardware, Software and Testing solution cannot be manufactured in Nepal. We will have to partner with a foreign vendor to provide this solution. Kindly confirm that it would be acceptable if the foreign vendor would authorize the local Nepal company to bid their solution.	Should be as per ITB 19
2.			With respect to the qualification	Should be as per qualification criteria of

			criteria as the complete solution will come from the foreign vendor will the credentials of the vendor be acceptable for qualifying.	Section II of Bidding Document.
3.			Please clarify if a JV can be done between the local Nepali company and a foreign vendor, to bid for this requirement.	Only National Bidder can be in JV.
4.	Clause 1 of Section III Evaluation and Qualification Criteria	The Bidder shall have a minimum of last three (3) years overall experience in the supply of same or similar types of Goods.	Most of the Nepali companies work on commission basis and don't front end same or similar business with the Mobile Operators or NTA. Most of the time the vendors are directly bidding. In this case it may become challenging to have supply experience of same or similar goods. Can the vendor's credentials be used for qualifying these criteria?	NO, Should be Bidder Qualification
5.	Clause 4 of Section III Evaluation and Qualification Criteria	The minimum supply value of goods under a single contract in the last three years shall be NPR 70,000,000.00.	Can we use vendors' credentials?	No, Should be Bidder Qualification
6.	Clause 13 of Section III Evaluation and Qualification Criteria	The Bidder must be ISO certified.	Can we use vendor's credentials?	Manufacturer or Product offer by Bidder should ISO Certified
7.	ITB 4.1 & ITB 4.9 of BDS	Bidders from the following countries are not eligible: Not	Does this mean that a foreign vendor cannot bid directly for this requirement? Kindly confirm.	No, in National Bidding only National Bidders are eligible.

		Applicable  The foreign Bidder at the time of bid submission: Not Applicable		
8.			From the requirement it looks like NTA wants Static Probe Testing. However there are some points which is asking for drive service. Does NTA what Drive Service test or Static Probe Testing?	System should be as per bid document.
9.	S.N. 8 of General Requirement of Technical Specification of Section V(Schedule of Requirement)	Test Tool shall support several types of map applications like Google Map, Bing Map, Open Street Map etc.	Why MAP and GPS support is required?	Required.
10.	S.N. 1 b of Test Interface of Technical Specification of Section V(Schedule of Requirement)	It shall be possible to place the test probes on fixed, fast-changing and mobile locations.	Test Interface point 1 (b) Kindly confirm if the probe should support only fixed and not fast changing and mobile locations.	As per Schedule of Requirement
11.	S. No. 1 (d) of Test Interface of Technical Specification of Section V(Schedule of Requirement)	The tool to also support a combination of a generic modem & the ability to drive the handset's i.e both Android and iOS.	Test Interface Point 1 (d) The tool to also support a combination of a generic modem & the ability to drive the handset's i.e both Android and iOS. Kindly confirm that the ability to drive handset i.e Andriod and iOS is not required as NTA is not looking for drive test.	As per Schedule of Requirement
12.	S. No. 1 (j) of Test Interface of Technical Specification of Section V(Schedule of	The probe to support the capability of driving only handsets or modems or both.	Test Interface Point 1 (j) The probe to support the capability of driving only handsets or modems or both. Kindly confirm that the capability of driving handset is not required as NTA is not looking for drive test.	The probe shall support the capability of fixed, fast changing and mobility.

	Requirement)			
13.	S. No. 1 (k) of Test Interface of Technical Specification of Section V(Schedule of Requirement)	The probes shall support GPS (Global Positioning System).	Test Interface Point 1 (k) The probes shall support GPS (Global Positioning System). Kindly confirm what GPS support is required  Probes (Measurement Units) Point 10. Kindly let us know why GPS and GIS support is required.	GPS Location of Probe where it will be installed or in operation shall be required.
14.	S. No. 12 of Processing and Reporting System for QoS of Technical Specification of Section V(Schedule of Requirement)	The Reporting tool shall support both server-based licensing as well as dongle-based licensing.	There is a requirement to support dongle based licensing. Kindly confirm why this is required specifically. All our licenses are server based.	Either dongle-based licensing of soft licensing can be offered.
15.	S. No. 1 of List of Goods of Section V(Schedule of Requirement)	Probe with at least 3 measurement unit per chassis (SW+HW) and communication interfaces such that each unit supports 2G/3G/LTE & LTE-A (Voice & Data) & WLAN interfaces.	We can provide all the above but the same interface cannot do this. We will have to propose more than 3 interface for testing. We can propose a unit with 13 interfaces to support all interfaces like 2G/3G/4G, LTE-A, WiFi, PSTN. Kindly confirm if this is acceptable.	As per Ammendment-1

16.	S. No. 1 of List of Goods of Technical Specification of Section V(Schedule of Requirement)	The provision to support 5G modems to perform NR based tests to be supported.	Currently 5G is tested using real handsets. Air Interface modems are still not available in the market. This would be available only in future. NTA can purchase 5G probes once available. Is this acceptable.	As per Schedule of Requirement
17.	Test Interface Point 1 (s) of Technical Specification of Section V(Schedule of Requirement)	The probe to also possess the capability of performing WiFi to LTE handover.	Is this supported in Nepal? This can be done only with handsets not interfaces. NTA has not asked Handset Based probe. Kindly clarify if this is required.	Required
18.	Test Interface Point 6 (s) of Technical Specification of Section V(Schedule of Requirement)	Real Device	There is specification for real device but NTA has not asked probe with real handset. Please clarify.	This is not in schedule of requirement but mentioned in test interface. So this requirement is optional.
19.	Test Interface Point 13 and 19 of Technical Specification of Section V(Schedule of Requirement)		Point 13 is repeat HTTP test case  Point 19 - Open Mobile Alliance (OMA)Digital Rights Management (DRM) (generic content download over the air) . This is absolute technology. Does NTA want this?	Omit Test Interface Point 13 of Technical Specification of Section V(Schedule of Requirement)  In case of Point 19, better technology will be accepted.
20.	S. No. 2 of Probes (Measurement Units) of Technical	The unit shall support external USB modem.	Kindly provide details on why support of external USB modem is required.	For additional and multiple interfaces.

	Specification of Section V(Schedule of Requirement)			
21.	S. No. 6 of General Requirement and S. No. 13 of Processing and Reporting System for QoS of Technical Specification of Section V(Schedule of Requirement)	<p>The setup shall follow ITU Standard E.807 for Voice Call Reports.</p> <p>The Reporting tool shall follow ITU Standard E.807 for Voice Call Reports.</p>	<p>The KPIs mentioned in E.807 are :-</p> <ol style="list-style-type: none"> <li>1. Call Setup Time</li> <li>2. RRC Congestion Rate</li> <li>3. Traffic Channel Congestion Rate</li> <li>4. Call Drop Rate</li> <li>5. Call Completion Rate</li> </ol> <p>Cannot provide KPIs 2 and 3 as these are KPIs from live traffic. Kindly confirm that this is acceptable.</p>	Will be as per evaluation process of procurement Bylaw of NTA.
22.	Drawings of Section V(Schedule of Requirement)	System Architecture and Drawing	The system architecture diagram mentions probes with phones but no BoQ is asked	As per Ammendment-1
23.	Technical Specification of Section V(Schedule of Requirement)		OTT based test cases are asked but no probe with handset is asked. Kindly confirm if OTT based testing is required or not.	As per Ammendment-1  (It can be done using probe.)
24.	GCC 25.2 of SCC	Proof of Consent (PoC) Certificate		In case of 5G, Bidder shall submit experience certificate that shows 5G testing in any country.
25.	Point 1 of Probe of Technical Specification of Section V(Schedule of Requirement)	4G Mobile and LAN at the same time.	Only for 4G Mobile and LAN?	The unit shall support 2G Mobile, 3G Mobile, 4G Mobile and LAN at the same time.

26.	Section VI and VII of Bidding Document		GCC and SCC points are not matched.	<p>GCC are as per the standard bidding document of PPMO for Procurement of Goods National Competitive Bidding. Please refer GCC Nos. from following link:</p> <p><a href="https://ppmo.gov.np/image/data/files/SBD/Standard%20Consulting%20Documents/SBD%20August%202019/Goods%20August%202019/1.%20goods%20NCB%20%20April%202018%20%20final%20August%202019.doc">https://ppmo.gov.np/image/data/files/SBD/Standard%20Consulting%20Documents/SBD%20August%202019/Goods%20August%202019/1.%20goods%20NCB%20%20April%202018%20%20final%20August%202019.doc</a></p>
27.	Service to be Tested Point 6 of Technical Specification of Section V(Schedule of Requirement)	General Packet Radio Services (GPRS) IP tests	Service to be Tested Points 6 and 7 are repeated.	Omit Service to be Tested Point 6 of Technical Specification of Section V(Schedule of Requirement)