Clarifications for TEC Tender No TBAD/MM-NGN TEST BED/27/TEC.2006:
Table 1:
 Technical clarifications:

Clause	Clarification sought	Clarification provided
1.1.10	The GUI supported by our analyzer at the client interface is proprietary, based on Java, though it supports all industry standard operating systems (e.g. MS Windows, Linux, MAC-OS etc.). The proprietary client GUI may be freely downloaded through an IP connection to the analyzer server, using a web browser. Please confirm whether this is acceptable.	Acceptable with unlimited client licenses.
1 A (iv)	STM1 Interface can be Electrical or Optical	Agreed, channelised STM-1 interface should be supported
1.2.1 (iv)	STM1 Interface Electrical or Optical We support STM-1 interface on our performance analyzer including decode of mapping VC12. It is quite unusual to have electrical interfaces for STM-1 in the field. Usually STM-1 interfaces are optical. Please confirm whether it is mandatory to support STM-1e only? Please confirm whether you want to simulate on the STM-1 interface. If it is required to be supported then please specify the no. of channelized E1 per STM-1 port required for simulation.	As above As above Yes, in case the functionality is provided by using external multiplexer, same shall be quoted as separate line item for at least 8 ports
1.2.2 iii)	As current implementation is based on M3UA only, M2UA and SUA are not applicable. We request you to please make M2UA and SUA as Optional or remove from the tender	No change
1.4	kindly remove T.38	Roadmap for the same can also be indicated
1.5.1.a	Stream Analysis: We do not perform the measurements on stream analysis for "Out of sequence Packets", and "Average Throughput". This requirement is not an industry standard in a protocol analyzer, and supporting this may be beyond the purview of our scope.	No change
1.5.1 e)	As current implementation is based on M3UA only, M2UA and SUA are not applicable. We request you to please make M2UA and SUA as Optional	As above

1.5.3	R-factor based on G.107 but not G.108, Request TEC to please remove G.108 To highlight again, R-factor is an important measurement and has to be made mandatory. There should be quick access in the GUI to measure the same.	R-factor based on G.107 or G.108 may be provided.
1.6	Please advise whether Conformance Testing is a mandatory requirement in this tender. The schedule of requirements specifies conformance (i.e. Clause 1.6) within the scope of the Performance analyzer as "Item 1 A" and Simulation/Emulation (as per clause # 1.7) in "Item 6B". You will appreciate that conformance testing requires Simulation/Emulation as well. We request you to list an additional item for clause # 1.6 (i.e. Conformance Tests) since there are very few standards currently available for Conformance Testing of VoIP/NGN.	Yes
1.7.1	We support the simulation of SIP, H.248.Ver2/Megaco, SIGTRAN (M3UA, M2UA) and MGCP. Please waive the requirement for simulation/emulation of SIP-I, SIP-T, M2UA, SUA and BICC-CS2.	Roadmap for SIP-I can be provided.
1.7.3.b.ii:	Please advice whether the load generation capability requested (0.5 – 1.0 Erlang) in this clause is required "with RTP" or "without RTP". On VoIP interfaces, traffic is usually expressed in BHT. (The BHT is statistically worked out via the Erlang B Traffic Model, taking into account the following parameters: Block Probability, Bandwidth, bit-rate of the Audio Codec, packet duration, and assuming a Poisson distribution for the arrivals (the incoming calls). Refer http://www.erlang.com/calculator/eipb/ for an example. In view of the above a qualification on these terms may be more relevant than Erlang.	With RTP.
1.7.3 d)	Time stamping resolution shall be 1 ms Your requirement for time stamp resolution is "at least for 40 ns". We support a timestamp of 64 bit with 250ns resolution. Please confirm whether this is acceptable.	Time stamping resolution may be 1 ms
1.7.3.e, l, m	Considering that the NGN test bed is required to test soft-switches, trunk media, gateways and NMS etc. we request you to reconsider the requirement to simulate servers gateways and MGCs. We propose that the test bed should be equipped to simulate/emulate hundreds of user agents in order to test the servers. So please waive these clause # 1.7.3.e, 1.7.3.l, and 1.7.3.m.	No change in requirement

1.7.3.k	Please confirm whether we have to quote for PESQ Voice Quality Measurement in your tender. This has been stated as optional but is not included in your schedule of requirements.	PESQ is mandatory.
1.7.3 O)	Request TEC to kindly remove frame based statistics	No change
	SS7 signaling should be made mandatory (as discussed in the pre bid meeting)	SS7 should be included as separate line item in price schedule.
	EMC certificate should be relaxed	No change
	Since we haven't got the earlier EMD, it is requested to consider what we have deposited earlier for the forthcoming tender. This will avoid repetition of work.	Fresh EMD should be submitted.

Table 2: In reference to Clause 1.5 of Section VI of tender document, the equipment shall also support the following minimum performance Parameters for VoIP Analyzer (should be included as separate line item in price schedule for further expansion in multiple of units given below)

Signaling-Only Calls	SIP	H.248	ISUP
Total Open Calls	20K	80K	500K
Calls Per Second	600	400	800

Table 3: General clarifications

Clause	Clarification sought	Clarification provided
Section II	As a policy we can not give Certificates / Testimonials from existing customer. As a special case we can provide name of the buyer/user world wide only	Detail of project along with buyer/user name may be provided.
Section II clause 13.1	Validity of the quotation may kindly be keep 90 days. We can extend the validity thereafter, if required.	No change
Section II – Clause 30.0,& 30.1	We can attach ISO Certificate of parent organisation, we assume that no other document is required to attached with bid as per clause no 30.1. Kindly confirm.	Accepted with proper linkage to the parent organisation.

	ISO certificate should be made optional and bidder should be allowed to submit equivalent quality certificate from within or its contract manufacturer.	Agreed
Section IV – Clause 9.0 (i) –	Delivery period may kindly be extend to 6-8 weeks.	Agreed for 6 weeks
Clause 13.0	We would like to request you to please allow us to quote in United States Dollars(US$) Bidder to should be allowed to quote in US$ (Cost including Insurance and Freight (CIF) till Delhi Airport or the nearest Airport).	Quotation may be USD but the evaluation shall be done in INR based on the rates prevailing on the date of opening (DoO). The payment shall be made in INR. However, in case the payment is in USD, the conversion and other applicable charges have to be paid by the bidder. Delivery of equipment is required to be made at TEC HQ without any extra cost.
Clause 16.1.1 and Section V Sl. No 2 of page no 31 of tender document	Standard Warranty is 1 year from the date of shipment and we understand other bidders also offer 1 year warranty. Hence we request for 1 year warranty. In case of 2 years warranty, we have to quote 1 years of additional warranty price with our basic unit price.	Requirement is for two year warrantee included in base price.
Section VII (Part II) Price schedule	As TEC is exempted from paying Custom Duty and will provide a duty exemption certificate for the ordered unit. We understand that no figures are required to mention as per Price Schedule format column no 16-18.	Yes
	Date of tender submission may pls. be extend till Dec. 15th, 2006 or later. We need time to prepare bid and documents required for tender annexure.	Last date of submission is **extended till 14:00 hrs Dec. 15th, 2006.**