



टेलीकम्युनिकेशन्स कंसलटेंट्स इंडिया लिमिटेड
(भारत सरकार का उद्यम)
Telecommunications Consultants India Ltd.
(A Govt. of India Enterprise)



विभाग टी.सी.आई.एल. भवन, ग्रेटर कैलाश-1, TCIL Bhawan, Greater Kailash-1
DIVISION नई दिल्ली – 110048 New Delhi – 110048

No.: TCIL/15/1202/1/10-MM/52E /CO-3

27.01.2011

CORRIGENDUM NO. 3 TO TENDER

Tender No.: TCIL/15/1202/1/10-MM/52E dated 07.12.2010

Name of Item: **Supply of External Alarm Management System for Modernization, Expansion of Network and the Infrastructures of Sierra Leone Telecommunications Company Ltd, REPUBLIC OF SIERRA LEONE**

The following amendments are issued to the above mentioned tender document:

The last date for sale of tender is here by extended upto 15:00 hrs. on 15.02.2011.

The last date for submission of offer is here by extended upto 15:00 hrs. on 15.02.2011.

The techno-commercial offers shall be opened at 16: 00 hrs. on 15.02.2011.

Section -6 – Technical Specification

Clarifications to queries as asked by bidders is attached to this corrigendum no.- 03.

All other Terms & Conditions of the Tender No. TCIL/15/1202/1/10-MM/52E dated 07.12.2010 shall remain unchanged.

(J K Pandey)
Group General Manager (MM)
Enclo : As above

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हिंदी देश की एकता की ऐसी कड़ी है जिसे मजबूत करना प्रत्येक भारतीय का कर्तव्य है।

corrigendum No. 3 to NIT-EAMS-1202-52E-3.doc

Section -6 – Technical Specification

Tender No.: TCIL/15/1202/1/10-MM/52E dated 07.12.2010

S#	Reference from Tender	Query as asked by bidders	Clarifications
1	Functional Requirement 8.1) Battery - battery bank voltage/ cell voltage, site on battery charging/ discharging current, time remaining for backup. Alarms for events having these values out of threshold areas are to be autogenerated and converted into trouble tickets.	Cell Voltage: The information needed to know if a cell is going bad and that can be done using to voltage sensors per battery bank as opposed to one for each cell. To confirm if the understanding is correct	Voltage and Current monitoring at battery Bank level is OK/Acceptable.
2	Functional Requirement 8.1)	Site on battery - Please provide site drawings designs of the systems to understand the details of the requirement.	Query not relevant at this stage.
3	Functional Requirement 8.1)	Time remaining for backup : What type of information is required into Alarm generated with this functional requirement	Time remaining for backup is to be calculated. It is a desired calculation.
4	Functional Requirement 8.2) Site temperature such as ambient / room temperatures & humidity, no of ACs running, Alarms for events having these values out of threshold areas are to be auto generated and converted into trouble tickets.	No. of A/C running . We are assuming the Air conditioners will have contacts? Please provide us details and confirm our assumption is correct?	No. of AC's installed in the equipment room is 2 (1+1) configuration (load sharing redundant). However, for large equipment rooms (8 such large rooms are identified) no. of AC's could be 2 sets. The assumption that ACs would have contacts, is OK. However, bidder should provide cost of an AC sensor cost, incase the contacts are not available.
5	Functional Requirement 8.4) Distribution power voltage, current, Power, frequency indication for all RYB phases. Alarms for events having these values out of threshold areas are to be auto generated and converted into trouble tickets	What type of information is required into Alarm generated by Distribution, power, voltage, current, power frequency? Please provide explanation and drawing	Distribution power parameters - Voltage, current, power and frequency are to be monitored and Alarms are to be auto generated.
6	Functional Requirement 8.5) DG On / Off status, Fuel level, voltage, current indication for all RYB phases each. Alarms for events having these values out of threshold areas are to be auto generated and converted into trouble tickets.	DG On/Off: We are assuming DG will have On/Off contact? Please confirm our assumption is correct. Fuel level: What all information/details will be provided as source for fuel level? Current indications for RYB phases: Please provide site drawings design of the systems Please provide explanation and drawing	Potential Free Contacts shall be provided for DGs and rectifiers. 3 level fuel sensor are likely to be made available by DGset supplier. However, bidder should provide cost of 3 level fuel sensor, incase the same is not provided/available in the DG.

7	Functional Requirement 8.6) UPS System: Status of UPS, power / voltage / current on each phase, battery status, voltage, etc and respective alarm: Alarms for events having these values out of threshold areas are to be auto generated and converted into trouble tickets.	What are the types and kind of UPS installed/placed at sites? Please provide details with explanation and drawing	Type of UPS is ONLINE with input voltage ranging from 170V to 280 VAC and output volateg is 220 VAC. RS232 communication port is available with UPS. Bidder should take into consideration that parameters may have be captured through SNMP on Ethernet.
8	Functional Requirement 8.8) Access Control System: Status of controllers, readers, and door open / close alarm: Alarms for events having these values out of threshold areas are to be auto generated and converted into trouble tickets	Status of controller: Please provide details with explanation and what type of information is required into Alarm generated?	Only Door open alarm for the equipment room is to be provided at each site.
9	Functional Requirement 8.9) DG Set related alarm such as Fail to start/stop alarm. Low Lube Oil Pressure (LLOP) Dysfunction alarm Alternator fault alarm DG Fan belt alarm High Cylinder Temperature Low Fuel alarm DG Contactor on alarm Alarms for events having these values out of threshold areas are to be auto generated and converted into trouble tickets.	We are assuming each of these will have contacts on the DG set. Please confirm our assumption is correct.	Refer Query 6 above.
10	Functional Requirement 8.12) The system shall also perform some of the (but not limited to) following calculations: § Total Main Power consumed § Total DG Run hours § Total Fuel consumed § Average Fuel / DG hour run time § Total hour on which load was on battery § Percentage of critical / high / medium / normal alarms § Total AC Run hours	Total Fuel consumed: A calculation can be made but it could be off by as much as +/- 20%. Please confirm whether it is acceptable? Average Fuel / DG hour run time: A calculation can be made total fuel consumed it could be off by +/- 20%. Please confirm whether this is acceptable? Total AC Run hours: We are assuming we will get the AC on and off contact. Please confirm our assumption is correct?	The assumptions are acceptable. For AC, pl refer reply at S# 4 above.
11	Functional Requirements 8.5) DG On / Off status, Fuel level, voltage, current indication for all RYB phases each. Alarms for events having these values out of threshold areas are to be auto generated and converted into trouble tickets.	How many DG sets are to be working? 1 or 2 or more?	No. of DGs per site is 2 (1+1) configuration (load sharing redundant).

12	Functional requirements 8.9) DG Set related alarm such as Fail to start/stop alarm. Low Lube Oil Pressure (LLOP) Dysfunction alarm Alternator fault alarm DG Fan belt alarm High Cylinder Temperature Low Fuel alarm DG Contactor on alarm Alarms for events having these values out of threshold areas are to be auto generated and converted into trouble tickets	Please confirm that 'DG Fail to start & DG fail to stop' alarm will come from the auto mains failure(AMF) already existing at site.	Yes
13	Functional requirements 8.9) DG Set related alarm such as Fail to start/stop alarm. Low Lube Oil Pressure (LLOP) Dysfunction alarm Alternator fault alarm DG Fan belt alarm High Cylinder Temperature Low Fuel alarm DG Contactor on alarm Alarms for events having these values out of threshold areas are to be auto generated and converted into trouble tickets	Do we need to supply auto main failure (AMF) panel also for the sites?	No
14	RTU feature No 8	Please confirm that DG sensing kits, fuel level sensors etc. will change according to the no. of DG sets at site.	Number per site shall remain the same for all sites as DGs in 1+1 configuration are being installed at all sites.
15	RTU feature No 8	Do we need to provide EB/DG/ Kwh meter separately or need to read the data from existing meters if any . If yes then what the communication protocol of Kwh meter. (please refer section-6 clause-2, RTU feature No-08)	There is no existing EB & DG kwh meter set available and the same may not be required eventually also. However, bidder should provide the cost of the same, so that, incase required, same can be used.
16	RTU feature No 8	Do we need to supply fire / Smoke sensor along with NMS or existing sensors can give the alarm contact pl clarify (please refer section-6 clause-2, RTU feature No-08)	Existing sensors can give the alarm, RTU needs to be integrated with them. However, bidder should provide the cost of one sensor separately, so that, incase required, same can be used.
17	RTU feature No 8	Do we need supply 3 level fuel sensor for fuel level monitoring if yes what is the tank size and hole size for mounting. (please refer section-6 clause-2, RTU feature No-08)	Refer Query 6 above. Dimensions will be discussed with the successful bidder.
18	RTU specifications		Bidder must provide breakup price of each transducer/splitter forming part of RTU.
19	RTU feature No. 5		RTU shall also have Modbus RTU port (RS485) for communication with other devices/systems.