

SEMI-CONDUCTOR LABORATORY  
S.A.SNAGAR, PUNJAB.

Record of clarifications provided in response to the queries raised by vendors during the Pre-bid conference held at SCL on May 22, 2009 against SCL's Public Tender Notice ref. no. P&S/TSSG/2009/11 execution of a project comprising supply, installation, testing and commissioning of Centrifugal Water Chilling Machines, Cooling Tower etc.

The following were present:

Semi-Conductor Laboratory	Vendors
Mr. S.K. Ambardar, Group Director	M/s ETA Engineering Pvt. Ltd., Noida Mr. Satish Sehrawat
Mr. G.L. Sehgal, Sr. Head, Accounts	M/s M&W Zander Facilities (I) Pvt Ltd., Noida
Mr. B.K. Tikku, Sr. Head, P&S	Mr. Amit Bhatia
Mr. N.P.Singh, Sci/Engr-SF, TSS	M/s Fedders Lloyd Corporation Ltd, Noida Mr. Arun Diwakar
Mr. Rajesh Kr. Kunjar, Asstt. P&S Officer	M/s Airef Engineers Pvt. Ltd, Gurgaon Mr. Rahul Kumar
	M/s. Blue Star Limited, Gurgaon / Chandigarh Mr. Anil Soni Mr. Hemant Saini
	M/s Kirloskar Chillers Pvt. Ltd., New Delhi Mr. Parveen Jha
	M/s Daikin Airconditioning (I) Pvt Ltd, Gurgaon Mr. Sandeep Kohli Mr. Amit Malik
	M/s Beltex Agencies, Chandigarh Mr. Dupinder Singh

The following is the record of the queries raised by the participant vendors and the clarifications provided:

**A) 1. M/s ETA Engineering Pvt. Ltd., Noida**

They were meeting SCL's specs regarding the pressure drop across the condenser and cooler to be limited to 20 ft for the chillers manufactured by Carrier, Mc Quay and Trane, but in case of Chillers manufactured by M/s Johnson Control (formerly M/s York) it shall be about 29 ft (for cooler) and requested that the same be relaxed.

**SCL's Response:**

This is a standard specification and can be met by a manufacturer(s) with suitable change in the design of the machine.

2. Chiller manufactured by the vendors namely M/s Carrier, M/s York and M/s Trane have motors suitable for 415 +/- 10% volts whereas the same has been specified as 400 +/- 10% volts at page no. 14 of SCL's specification sheet.

SCL's Response:

The specification is based on the power supply from the state utility (Punjab State Electricity Board) and hence the voltage specified at page no. 14 as 415+/- 10% volts is maintained.

3. Country of origin of the chillers has not been specified in the Tender Document.

SCL's Response:

Vendors to indicate the country of origin of the quoted chillers in their bid.

4. Chilling machines charged with refrigerant gas are not allowed to be imported from China.

SCL's Response:

The machines being charged with CFC free refrigerants, no difficulty is foreseen. This view was endorsed by other vendors present during the meeting.

5. In Quote format under PART-C of the Tender Document, quantity of cables, earthing etc. has been indicated as 'Lot' and exact quantity of these items may be specified.

SCL's Response:

Vendors to work out the quantity of these items based on plant layout drawing to be provided by SCL and quote their rates accordingly as 'Lot'.

**B) M/s. M&W Zander Facilities (I) Pvt Ltd., Noida**

1. Any specific reason for specifying the condition "HVAC vendors having executed at least two projects involving SITC of chilling machines of capacity not less than 350 TR are eligible to submit the bids to SCL for the project covered by this Tender".

SCL's Response:

The objective of specifying this condition is that the project execution is undertaken by an experienced contractor only. It was also clarified that capacity of 350 TR was for single machine.

2. Can two companies form a consortium or a new company in order to participate in this Tender?

SCL's Response:

While SCL has no objection to any prospective bidder tying up with any other company but participation in SCL's Tender shall be in compliance with the requirement as specified under "Methodology of ordering" (clause no. 13 of PART-A) specified in SCL's Tender Document.

**C) 1. M/s Fedders Lloyd Corporation Ltd, Noida**

Uptime term at page no. 49 of the Tender document be elaborated.

SCL's Response:

The contractor has to guarantee a minimum uptime of 95% during the warranty period on the basis of 24 hours working, 7 days a week. In other words downtime should not be more than 5% during the warranty period. In the event of contractor's failure to maintain the above uptime, the warranty period shall be extended by the period in excess of the allowable downtime as specified in

the Tender Document.

**D) M/s Airef Engineers Pvt. Ltd, Gurgaon**

1. Can they quote prices inclusive of taxes, duties, supply, installation, testing and commissioning charges?

SCL's Response:

No; it is mandatory for the vendors to quote their prices in the 'Quote Format' at PART-C of the Tender Document indicating detailed price break-up for each of the tendered items such as basic price, excise duty if applicable, taxes, installation, testing and commissioning charges and service tax.

2. The estimated cost is not mentioned.

SCL's Response:

As per SCL's Purchase Procedure, the same has not been specified

3. Under sub-head 'Testing and Inspection' at page no. 19 of the Tender Document, seven days testing period has been mentioned but it would be for 72 hours.

SCL's Response:

Vendors to comply with SCL's tendered requirement

4. The vendor requested that their payment terms i.e. 85% payment against delivery, 10% against installation and 5% against commissioning be considered.

SCL's Response:

While vendors are expected to comply with the payment terms stipulated in the Tender Document, they can propose their payment terms in the bid for which their bid shall be loaded/off-loaded as per 'Procedure for evaluation of bids' given in the Tender Document.

**E) M/s. Blue Star Limited, Gurgaon / Chandigarh**

1. With regard to warranty replacement ( clause 2.2 (d) of PART-D (i) ), the vendor informed that it was not in accordance with international practices to provide warranty on the replacement part for a period of 12 months from the date of arrival of the replacement part at purchaser's site.

SCL's Response:

It was explained that the warranty clause specified in the Tender Document was SCL's standard term and was final. Vendors were requested to comply with the same.

2. 14 months notice period for warranty /warranty replacements should be relaxed as warranty period was 12 months only.

SCL's Response:

While the vendors are required to provide 12 months warranty from the date of successful commissioning of the entire project at SCL, 14 months notice period has been specified in the Tender Document to take care of situations where any part/equipment goes defective at the fag end of the warranty period and it may not be possible to report the same to the contractor on the same day.

3. The clause 3.3 of 'Guarantee and Replacement' stating "should the contractor fail to rectify the defects, the purchaser shall have the right to reject or repair or replace at the cost of the contractor the whole or any portion of the defective stores" be relaxed.

SCL's Response:

This can not be relaxed and SCL reserves the right to invoke this clause in case of contractor's failure to rectify the defects under warranty.

4. SCL's Tender stipulates 15% bank guarantee whereas the standard practice is to seek BG for 10%.

SCL's Response:

Payment Terms as specified in the Tender document were SCL's standard payment terms. However, vendors have the option to deviate from SCL's proposed payment terms in which case they will be loaded suitably.

5. Four months project completion schedule for the whole project indicated in the Tender Document was too tight and the same be suitably extended keeping in view high lead time of Chillers from the foreign vendor. This was a common query from all vendors.

SCL's Response:

In view of all the vendors expressing very tight completion period, SCL agreed to revise the project completion period to five (5) months.

6. Procedure for evaluation of bids where vendors will not provide BG/PBG for the amount as specified be explained.

SCL's Response:

It was explained should such a situation arise, the loading shall be done as per standard practices.

**F) M/s Kirloskar Chillers Pvt. Ltd., New Delhi**

1. The vendor informed that they were having ARI certified test bed at their facility at Pune, India since 2006 and were the only Indian vendor to have ARI certified test bed. The vendor also informed that they were taking turn key projects and quoting directly for the same. The vendor urged that their chillers should also be included in the "recommended makes" as specified in SCL's specification sheet.

SCL's Response:

The vendor was advised to provide immediately details of such projects executed by them in India after 2006 including projects involving S/I/T/C chillers of capacity 350TR and above alongwith copies of Purchase Orders and completion certificates from such customers. Upon examination of such documents shall SCL take a decision on their request.

**G) 1. M/s Daikin Airconditioning (I) Pvt Ltd, Gurgaon**

The last line at page no. 13 of the Tender Document relating to specs. of centrifugal compressor be clarified.

SCL's Response:

It should be read in conjunction with the specification of centrifugal compressor indicated above the abovesaid line.

2. Motor voltage of chilling machine has been specified as 415+/- 10% volts, 50 Hz, 3 Phase, AC power supply whereas all chiller VFD manufacturers indicate voltage to be 400 volts.

SCL's Response

The specification is based on the power supply from the state utility (Punjab State Electricity Board) and hence the voltage specified at page no. 12 as 415+/- 10% volts is maintained.

3. Can chillers be accepted without VFD?

SCL's Response:

No; SCL specs be maintained

4. 12 months warranty from the date of shipment be accepted.

SCL's Response:

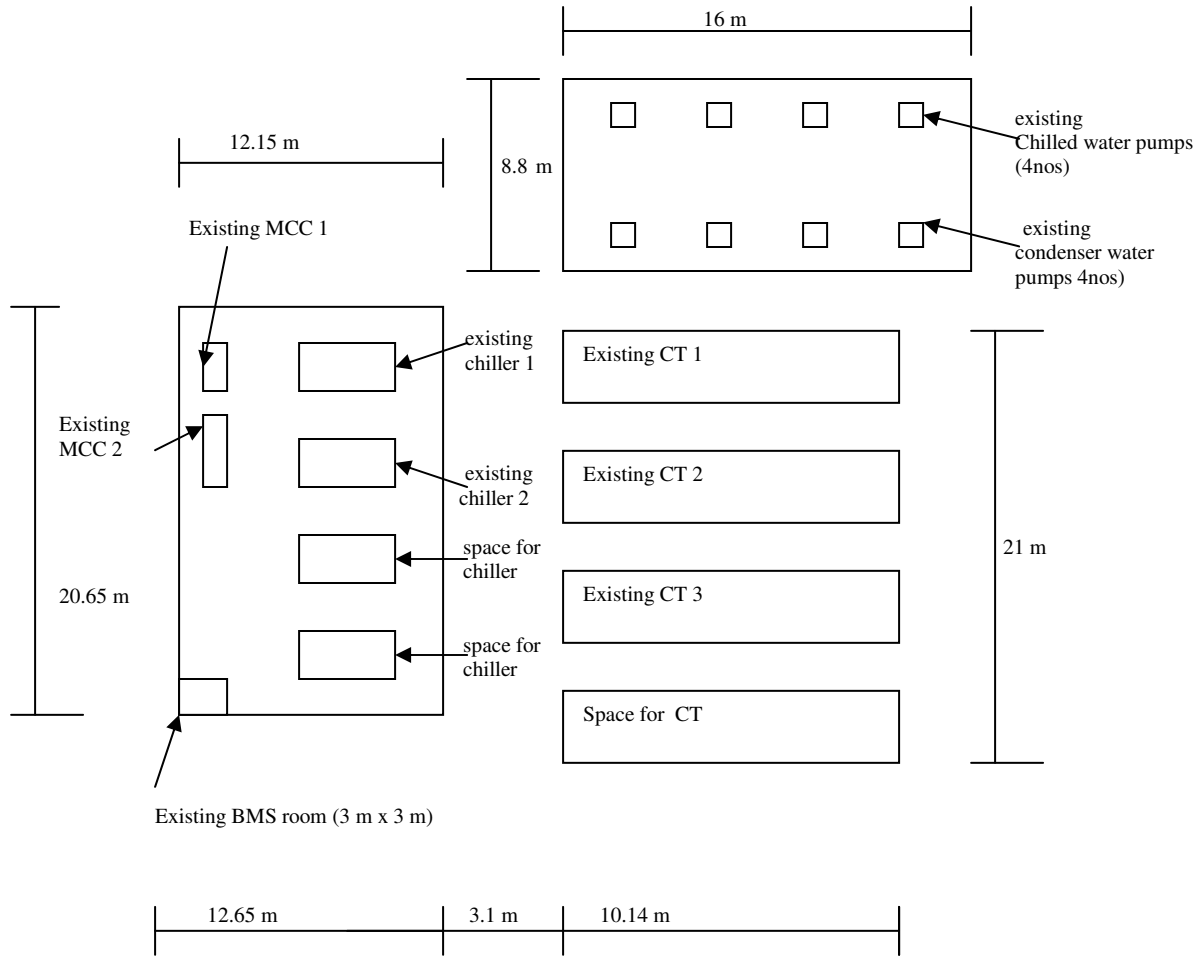
Warranty as specified in the Tender document was a standard warranty term and SCL expects all vendors to comply with this term.

**H) M/s. Beltex Agencies, Chandigarh**  
No query.

**GENERAL COMMENT:**

1. It was decided that the Plant Layout drawing of SCL's AC plant shall be sent to the participant vendors immediately and the same shall also be placed on SCL's website.
2. The prospective bidders must take the responses/clarifications as recorded herein into account while submitting the proposal to SCL.

Sr. Head, Purchase & Stores



**AC PLANT LAYOUT**  
(Tentative- Not to scale)