

Pre-Bid Meeting for Interior works (1) HVAC (NPMU/W-20b/3) and (2) Landscaping (NPMU/W-20b/7) for National Centre for Sustainable Coastal Management, Chennai was held on 17.07.2014, 11.30 AM.

**Members Present:**

1. Dr. B.R. Subramanian
2. Dr. D. Chandramohan
3. Mr. Iype Chaco, Architect Consultant
4. Mr. Siva Sinathipathy, PMC
5. Mr. Deepak. R, MEP Consultant
6. Mr. Debasis Tudu, Scientist-C, NCSCM

**Representatives of Participating Firms:**

- |                              |  |
|------------------------------|--|
| 1. Mr. R. Bala               | M/s. Dupro Consultants Pvt. Ltd., Chennai      |
| 2. Mr. Mehafooz ali khan M.B | M/s. ABS Aircon Engg. Pvt. Ltd., Chennai       |
| 3. Mr. S. Logeshwaran        | M/s. Trac Fujico Air Systems LLP, Chennai      |
| 4. Mr. S. Dinesh             | M/s. Suvidha Engineers India (P) Ltd., Chennai |
| 5. Mr. V. R. Krishnan        | M/s. Care Earth Trust, Chennai                 |
| 6. Mr. Suresh                | M/s. Earth Pulse Landscape Architects, Chennai |
| 7. Mr. Sakthivel Murugan     | M/s. Renaatus Projects Private Limited, Erode  |

The pre-bid meeting was held under the Chairmanship of Dr. B.R. Subramanian, Senior Scientific Consultant, NCSCM, Chennai. The Chairman welcomed all participants to the meeting.

The participants were invited to present their queries for the Interior Works, for which bids were invited. In response to the queries and suggestions made by the prospective bidders, the response is appended as Annexure-A.

The prospective bidders were invited to participate in the bidding process after careful consideration to provisions of the bid document published and possible amendment subsequent to the present pre-bid meeting.

**Queries and Clarifications made during the Pre-Bid Meeting held for HVAC Tender at  
NCSCM, Chennai, on 17/07/2014**

**Technical Queries & Clarifications**

S. No.	Item	Query	Clarification/ Response
1	CHILLER	Can we go for Single Compressor Model?	Multi Compressor Model required.
		Can we provide Star Delta Starter?	Starter depends on the power requirements (for Eg: if it is less than 5.5kW DOL starter and more than 5.5KW Star delta)
		COP shall be as per the OEM's Manufacturing.	COP should be as per tender documents
		Whether Plant Manager is required? If so please provide IO summary.	Plant manager is required and please refer the tender specification of chiller in the control part plant manager details provided.
		Can chiller be DX type?	Chiller can be DX/Flooded Type
2	COOLING TOWER	PVC Louvers are mentioned in the BOQ, as per OEM's FRP is recommended.	As per technical specification Its clearly mentioned PVC/FRP Louvers
		Cross flow is mentioned in the BOQ, can we go for Counter flow?	Please refer the Technical Specification for type of flow in the cooling tower section, It is mentioned as axial flow.
3	AHU / FCU / CSU	Fire damper should be considered in AHU pricing? As we have a separate line item for Fire Damper.	Fire damper is a separate item.

		Coil face velocity can we go for 500FPM?	Please go ahead with as per tender specification 350FPM only.
		FCU – Can we go for Single skin construction?	Double skin is required
		FCU – will have 4-5mm static please confirm as in BOQ it says 15MM.	In FCU we can get up to 12.5MM Static
		For FCU valve package should be quoted with the Equipment or separate?	It should be quoted for Valve package with the equipments cost
4	MINXON THERMOSTAT	What type of Thermostat?	It is a Digital Thermostat.
5	EXPANSION TANK	Request for the make.	Please refer list of approved makes it is mentioned the for Expansion Tank
6	CHEMICAL DOSING SYSTEM	Request for the make.	Chemical dosing system with Algae System
7	HEAT RECOVER UNIT	Request for the make.	Same as AHU Makes
8	FAN	Can we go for Single skin unit as CFM is less.	Double skin is required
9	DUCTS	Can we consider TDF flanges and 120GSM?	Consider Duct mate flanges only
10	VAV	VAV makes have mentioned and in BOQ no line item.	No requirement of VAV in this project
11	PUMPS	Pumps starts are in our scope?	Yes - Starter will be in your scope.

		Pumps should have DP sensors?	Yes DP sensors required
12	BASEMENT AND JET VENTILATION	Can we consider Makes as MICRON/KRUGER/AIRFLOW?	Please go ahead with as per tender specification makes
13	CHILL WATER PIPING	We request to remove the scope of digging and filling for the Burred pipes.	The scope of digging and filling for buried pipe is in your scope.
14	VALVES	All valves should be PN16? And Should be Pre insulated or Normal valves and what type of insulation should be consider.	All valves should be pre insulated and PN16
15	CHILL WATER CASSETTE	Request for the make	Same as AHU Makes
16	LAYOUTS REQUESTED	Please send us the Chiller Plant Room Layout, which was not part of the Tender.	Attached
		Please send us the overall Building and System Layout which was not part of the Tender.	Attached
17	BOQ REQUESTED	Soft copy of BOQ in .xls format.	Attached

### Commercial Queries & Clarifications

S. No.	Item	Query	Clarification/ Response
17		Both customs duty & excise duty are exempted. Please reconfirm.	<p><b>Pl. refer the following Clauses in the Bid Document –</b></p> <p><b>1. Note under Clause 13 of ITB:</b> Bidders may like to ascertain availability of excise/custom duty exemption benefits available in India to the contracts financed under World Bank loan/credits. They are solely responsible for obtaining such benefits which they have considered in their bid and in case of failure to receive such benefits for reasons</p>

			<p>whatsoever, the employer will not compensate the bidder (contractor). Where the bidder has quoted taking into account such benefits, he must give all information required for issue of certificates in terms of such notifications as per form attached to the Qualification Information in the bid. To the extent the employer determines the quantity indicated therein are reasonable keeping in view the bill of quantities, construction programme and methodology, the certificates will be issued within 60 [sixty] days of signing of contract and no subsequent changes will be permitted. No certificate will be issued for items where no quantity/capacity of equipment is indicated in the statement.</p> <p><b>2. Para 5 at Page No. 29 of Bid Document:</b> We agree that the certificate will be issued only to the extent considered reasonable by the Employer for the work, based on the Bill of Quantities and the construction programme and methodology as furnished by us along with the bid.</p>
<p style="text-align: center;"><b>18</b></p>		<p>Please confirm whether service tax is to be included or excluded.</p>	<p><b>Pl. refer the following Clauses in the Bid Document –</b></p> <p><b>1. Clause No. 13.3 of ITB:</b> All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause shall be included in the rates, prices and total Bid Price submitted by the Bidder.</p> <p><b>2. Clause No. 45.1 of Conditions of Contract:</b> The rates quoted by the Contractor shall be deemed to be inclusive of the sales and other taxes that the Contractor will have to pay for the performance of this Contract..</p>

<b>19</b>		Main incoming power is to be provided by the client. The tender asks us to include DG power/ water / storage in our scope. Please Clarify.	No power or water will be provided by the Client. Contractor to include in his bid. For Storage - refer below
<b>20</b>		Permanent Free space is to be provided by the Client for storage.	"Appropriate Area" will be provided at the site for Storage of Material. The HVAC Contractor will be responsible for Construction of Store / Office and related security and maintenance during the Contract period. On completion the Contractor will remove and handover the area to the Client in a good condition.
<b>21</b>		Please mention the statutory variations whatever declared by the Govt. will have to be accepted by the client.	Yes.