

# Construction of Biotechnology and Centre for Sustainability Building (Ground + 6 Floors) at IIT Madras.

## MINUTES OF THE PRE-BID MEETING

**TENDER NO** : 45R/2012-13/Civil  
**DATE OF THE MEETING** : 18.03.2014 AT 10:30 AM  
**VENUE** : Admin Building, 3<sup>rd</sup> Floor, Engineering Unit

### Members Present :

#### IIT Madras

Prof. Ligy Philip, Co-Chairperson  
Er.R.Arumugam, Superintending Engineer  
Er.P.Soundararaj, Consultant (Elec.)  
Er.K.Viswanath, Executive Engineer (Elec.)  
Dr.M.Ramachandran, Executive Engineer i/c (Civil)  
Er.K.Narayanaperumal, Junior Engineer (Civil)

#### Architect - M/s C.R.NarayanaRao LLP

Mr.G.Rajkumar  
Mr.V.Saravana Perumal  
Mr.L.Ramaswamy

#### Contractors

Ms.N.Thaseen Fathima, M/s EMAS Engineers  
Mr.S.V.Venkatakrishnan, M/s EMAS Engineers  
Mr.S.Paulraj, M/s R.R.Thulasi Builders  
Mr.D.Mariadoss, M/s R.D.S, Projects  
Mr.P.Balaji, M/s GVSPL  
Mr.V,Srinivasan, M/s Elite Engineering Constructions (Pvt) Ltd

Co-Chairperson welcomed the participants and briefed about the project. The following points were raised by the Contractor and the clarifications given by IIT Madras are indicated against each.

Sl. No.	Points raised by the contractors	Clarifications from IIT Madras
	Sl.No 1 to 6 questions were raised by M/s EMAS Engineers & Contracting Pvt Ltd	
1	EMD validity mentioned as 6 months in the BG format only, and not mentioned anywhere in the document, please confirm. Also for EMD in the form of DD please mention the validity period?	As per the tender conditions. The validity of the BG shall be 6 months and that of the DD shall be 3 months.
2	Requesting to release the full guarantee amount after the defects liability period, since specialist water proofing vendor will furnish 10 years guarantee as per their standard format.	No change in the tender conditions.
3	Please make it as interest free advance.	No change in the tender conditions

Sl. No.	Points raised by the contractors	Clarifications from IIT Madras
4	Please make items with estimated to cost Rs.25 Lakhs/- or less as also applicable to claim in interim bills for the completed portion of work.	<p>The contractors were requested to refer Schedules indicated in the Financial bid – Volume I – Page 17.</p> <p>As requested by the contractors, the following amendment has been made to the tender document.– Financial bid – Volume I / Page 20</p> <p><b>Clause 7</b> Gross work to be done with net Payment after adjustment of advances for material collected, if any, since the last such payments for being eligible to interim payment. <b>Rs75 Lakhs.</b></p> <p><b>Shall be read as</b> Gross work to be done with net Payment after adjustment of advances for material collected, if any, since the last such payments for being eligible to interim payment.: <b>Rs50 Lakhs.</b></p>
5	Please issue electrical and plumbing layout drawings and detailed drawings	The detailed service drawings will be issued after award of work.
6	Sections, Elevations & staircase drawings issued during previous tender can be considered or any revisions to follow, please confirm.	No. The tender documents for this call of tenders have already been uploaded in the web site which may be downloaded.
	Sl.No 7 & 8 questions were raised by M/s RDS Project Ltd.	
7	Extending the last date of bid submission.	No change in date of submission of bid.
8	Fixing the duration of contract as 18 months.	No change in duration of contract.
9	List of approved make for Electrical works	The list of approved make for Electrical works is enclosed in the Annexure – 1.
10	Whether tower crane is required or not?	Yes. Required.

The above minutes of meeting will become part of the agreement. All the contractors are requested to download the minutes of prebid meeting and its annexure from the IIT Madras web site.

Sd/-  
**Superintending Engineer**

### LIST OF APPROVED MAKE / BRAND FOR ELECTRICAL WORKS

IIT Madras reserves the right to select any of the make/brand shown below and only those makes/brands will be allowed to be used in the work. Nothing extra is payable even if there is cost difference between one make/brand and another.

#### List of approved Makes and Brands – Electrical

Sl.No.	Material	Makes / Manufactures
1	LT Panel boards	CPRI approved manufacturers
2	MCB / MCB DB /ELCB	LEGRAND / MERLIN GERIN / L&T HAGER / SIEMENS
3	Moulded Case Circuit Breaker	MERLIN GERIN /SIEMENS/GE / L&T /SCHNEIDER
4	SANDWICH RISING MAIN AND TAPOFFBOXES	GODREJ-HENIKWON/GE SPECTRA/SCHNEDER
5	LT Contactors / Timer	SIEMENS / L&T / LEGRAND
6	L.T. Cables (XLPE)	CCI-TROPODURE/POLYCAB/ GLOSTER /UNIVERSAL
7	Instruments (DIGITAL)	AE / IMP / ENERCON
8	CTs / PTs	KAPPA/ PRAGATHI/INSTRANS/AE
9	Control Switch / Indication Lamp/	SIEMENS / TEKNIC / KAYCEE / Push Button / L&T/ SCHNEIDER
10	Switch / Switch box / Flush mounted Socket / Fan Regulators / RJ11 / RJ 6	MK / MOSAIC (MDS)/SIEMENS
11	FRLS Copper wires	FINOLEX / Q-FLEX /RR KABELS
12	PVC Conduits & Accessories	AVONPLAST/VASAVI/WAVIN
13	MS Conduits & Accessories	BHARAT / GUPTA / WIMCO
14	Ceiling Fan	ORIENT PSPO/CROMPTON
15	Exhaust fans/Fresh air fans	ALMONARD/KHAITAN/ORIENT
16	Industrial Type Plug & Sockets	LEGRAND/MERLIN GERIN / L&T / HAGER / SIEMENS
17	Telephone Cable/wire	Finolex / DELTON
18	Data cables/Socket	Molex / Krone
19	Cable Glands	COMET / PRABHAT
20	Cable Trays & Accessories	PROFAB / TECHNOFAB
21	LED Lighting luminaires	CG / iLED /PHILIPS/MIC
22	LIGHTING LUMINAIRES	PHILIPS / WIPRO / BAJAJ / CROMPTON GREAVES / K – LITE
23	SFU/FSU	L & T / SIEMENS / GE
24	Telephone terminals	KRONE
25	GI PIPE/MS PIPE	KALINGA / TATA / JINDAL
26	Pumps	Kirloskar / KSB / Crompton
27	Motors	Kirloskar / KSB / NGEF / Crompton

<b>Sl.No.</b>	<b>Material</b>	<b>Makes / Manufactures</b>
28	Butterfly valves	Audco / Intervalve
29	NRV	Normax
30	Hydrant valve, Branch pipe	Newage / Sukan / Winco
31	Hose reel/Hose box	As per IS/fabricated
32	Pressure Gauge	H-Guru
33	Pressure Switch	Danfoss / Switzer
34	Control panel/Auto start panel	Bright Engg / Excel
35	Enamel paints	NEROLAC/ASIAN
36	Starter	L & T / SIEMENS
37	Push button	L & T / SIEMENS
38	PVC Telephone Cable	Delton / Finolex / FSC
39	Jelly filled telephone cables	Delton / Finolex / HCL
40	Disconnection Modules (Telephone)	Krone
41	PVC/FRP Telephone Junction Box	Krone / Sintex
42	Optical Fiber Cable and accessories	Molex / Avaya / AMP / Krone
43	Telephone instrument	Panasonic
44	Cat6 Cable, I/O and all accessories	Molex / Avaya / Krone
45	Casing & Caping	Modi

**NOTE**

The Successful tenderer shall submit test reports for all the materials / equipments. If any make is not in accordance with the tender specification it will not be accepted even if the make is indicated in the above List