



Date: - 11-02-2012

Sub:- Pre-bid meeting for the “EPC for Consultancy involved in Construction of Industrial Shed MS-IV – Foundation design of PEB structure (excluding PEB design), machine foundation design, chimney foundation work etc”

Minutes of meeting held in the office of D.G.M (Proj) on 11-02-2012.

1. M/s. ERA BUILDSYS
2. M/s. ASTER BUILDING SOLUTIONS PVT. LTD
3. M/s. OCTAMEC BUILDING SYSTEMS
4. M/s. KIRBY BUILDING SYSTEMS

S. No	Query	Clarifications for
1.	<p>Please confirm the Design code as there is conflict in tender documents. The Clause No. I (Page 4 of Part – II Price bid) says the – <u>Design shall be as per latest relevant IS Codes under Practice</u>, while clause Codes to be followed on the Page no. 13 are as per code IS 800 – 1984. So, please confirm the code from following options –</p> <ul style="list-style-type: none">• IS 800 – 2007 (Limit State Design)• IS 800 – 2007 (Working Stress Design)• IS 800 – 1984 (Working Stress Design) with deflection limits followed as per IS 800 – 2007• IS 800 – 1984 (Working Stress Design) with deflection limits followed as per IS 800 – 1984	<p>All designs & serviceability shall confirm to IS800 -2007 (limit state design) as per latest standards.</p>
2.	<p>Auto CADD drawings with Grid makings are required as dimension given in the drawings are not readable to correlate the drawings with tender documents.</p>	<p>No, only PDF drawings will be given.</p>
3.	<p>Kindly confirm, whether we can use full height cross bracings at both sidewalls location or any Portals has</p>	<p>Yes, full height cross bracings at both side walls shall be used.</p>

	to be given due to machinery as shown in drawings at some grids.	
4	Please confirm Pipe Bracing can be use in Cross Bracings.	No, only Angle/channel etc are allowed.
5.	The tentative Width of the Proposed Melt Shop – IV mention in the tender document is 25.2m o/o, whereas “MASTERPALN” shows it to be 45m. Please Clarify.	The tentative width of shop is 25.2m outer/but not 45.0m.
6	Whether Steel Solid web column and rafters can be provided instead of double column and rafter truss arrangement? Whichever will optimum as per design?	Yes, steel solid web columns & rafter can be used.
7	Please confirm the quantity of 6mm Thick polycarbonate sheets in Roof and Wall respectively. It is recommended that 6mm thick Polycarbonate Sheet replaced with 3mm thick sheet as normal practice. Please confirm.	Please read as 2mm thick polycarbonate sheet.
8.	Please Confirm the Height, Width & Length of the Roof Monitor.	It will be as per the standard design in practice.
9.	No elevation provided for the gable ends , please provide the same or else please provide with the information of accessories at gable i.e. whether it is fully open or has some rolling shutters, gable column spacing, Ht of Cladding etc.	1) Gable ends will have rolling shutters at the middle of shed. 2) Brick work will be constructed up to 3.0m above FFC. Thus, cladding starts above 3.0m between.
10	Please confirm whether the building MELT SHOP – IV designed as an independent building?	Yes, MS-IV shall be designed as independent building.
11.	There are no any provision mentioned in tender documents but at 8.5m height brackets at left sidewall in drawing no. 100173.1010.01.000.R03 are to be seen in the section. Please clarify their dimensions and detail & loadings and whether they are to be considered or not.	Brackets are not to be provided but loads are to be provided on both the side of shed & gable ends. Loads are specified in Technical bid.
12	At Right Side column in drawing no. 100173.1010.01.000.R03 , some RCC structure OF HEIGHT 12.75 SEEMS.	RCC work is not included in this EPC contract.

	These are in our scope or not. If yes Please provide all details	
13	Is there any Brick Wall or not? If yes please confirm the height for same.	Yes, there will be brickwork up to 3.0 above FFL.
14.	The Bay Spacing is shown to be 10.5m at tow bays and rest are 7.3m. Can it be altered on account of economy and feasibility?	No, it shall be strictly as per spacing indicated in drawings.
15	Please clarify whether “ TERRAIN CATEGORY 3 ” & “ CLASS C ” can be considered as per IS 875 Part 3 for numerous closed obstructions with height above 10m.	Class B can be considered.
16.	The Collateral Loads for “UTILITY PIPE LINE & ELECTRICAL CABLES” mentioned in tender documents on Notes at Page 10 of Part – II Price Bid is to be considered on the both sides of column. Please clarify the height of the same.	Collateral loads shall be one side of column but all the four sides of shed (gable & longitudinal).
17	The Collateral Load for LIGHT FITTING, Please clarifies the exact location for the same from Eaves.	Normal Industrial light fittings.
18	Please clarify the location and loadings as Dead load and Live load of mezzanine roof with grid markings. And please clarify the platform roof (RCC or Chequered Plate).	Please note that it is a hanging canopy above crane level inside shop with chequered plate platform.
19.	Please clarify the location and dimensions of Bird mesh with Grid marking in plan and section drawings.	Industrial louvers with bird mesh one above brickwork + 3.0m & one at the crane level + 18.0m.
20	Is there any scope of Turbo Vent? If yes please provide Air changes and Temperature Difference.	No turbo vent shall be consider.
21	Please clarify whether we have to consider temperature Effect in design or not? If yes please provide temperature Difference for design.	Normal Temperature (inside furnace around 1200°C to 1300°C but at roof level around 50°C) occasional when bid is opened.
22.	Please confirm that as per Indian Standards the Local Co-efficient for wind load calculation are to be considered for sheeting screws, fasteners etc and not for main frame	Indian standards local co-efficient may be taken.

	built up (Column, Rafter etc) and Cold form sections (Roof Purlins, Side runners etc).	
23.	Please clarify the requirement of sheeting, polycarbonate and louvers in the roof monitor i.e. what is required in sides of roof monitor and what is required in walls?	(i) 2mm polycarbonate sheets in alternate bay and side cladding. (ii) Monitor roof.
24.	As it is typical to combine the entire requirement as per clause no VI) of Eligibility Criteria in Page no. 4 of eligibility criteria in a single project but any how we have tried to an extend to meet out all the requirements almost near about. We again request you to kindly consider and change this clause.	Eligibility criteria page(4) as stipulated in tender will remain unchanged.
25	Point Vii) of eligibility criteria page 5 for minimum inventory stock asks 2000MT but point 13 in page 130 for minimum inventory stock asks 5000 MT, please clarify which to be considered.	Please read minimum Inventory stock as 5000M.T

The above clarifications will forms a part of tender.

Madan Mohan.G
DGM (Projects)