

DETAILS OF PRE-TENDER MEETING

1	Name of Work:	Combined Heat & Power Package
2	Project:	Assam Bio Refinery Project, ABRPL, Numaligarh, Assam
3	Venue	Engineers India Limited - Gurugram, Sector-16, on NH-8 Gurguram, Haryana- 122 001
4	Date & Time of Meeting	At 1030 HRS (IST) on 20.03.2019
5	Contact Person	Mr. Ayush Mathur, GM (Projects) /Mr. K Shivaji , Project Manager ayush.mathur@eil.co.in / shivaji.k@eil.co.in Tele. No. +919818688737/+919910691951
6	Purpose of Meeting:	Important provisions of Bidding Document viz. Bidder Qualification Criteria, Commercial Terms & Conditions and Technical Specifications/details shall be discussed during the meeting.
7	Brief about Scope of Work:	As per enclosed Document Annexure-C titled “Brief Scope of Supply / Work for Combined Heat & Power Package”

Agencies are requested to submit the details (Experience & Financial) in the enclosed Annexures (A, & B) to the e-mail ids mentioned in this notice positively by **18.Mar, 2019** and are also requested to bring along with them 2 copies of their Experience Record (Documents mentioned at Sr. No. 4.0 of Annexure-C) and the complete audited annual FY Statements of the immediate preceding 3 FYs.

Note: Bidders are requested to depute their senior & competent representatives for the meeting.

Encl.

1. Annexure-A “Experience Details of Projects completed In Last 7 Years”
2. Annexure-B “Format for Financial Details”
3. Annexure-C “Brief Scope of Supply / Work for Combined Heat And Power Package”

**PRE TENDER MEET
(ASSAM BIO REFINERY PROJECT OF M/S ABRPL)**

A. ANNUAL TURNOVER OF LAST 3 YEARS:

Year	Amount (Currency_____)
Year 1: 2017-18	
Year 2: 2016-17	
Year 3: 2015-16	
Year 4: 2014-15	

B. FINANCIAL DATA FOR LATEST AUDITED FINANCIAL YEAR (FY 2017-18):

Description	Amount (Currency_____)
Net Worth	
Working capital	

C. Balance sheet in the name of _____

D. Original balance sheet in English or other language _____

E. Organization structural details _____

F. Holiday list / banned of any PSU / GOVT organization _____

G. Registration details on Central Public Procurement Portal (CPPP) of Government of India (<http://eprocure.gov.in/eprocure/app>): _____

**** Bidders are requested to enclose “Balance sheets of all Three years” & “Organisation structure” while submitting the Annexure-B.**

1. Net worth Calculation:

Net worth means paid up share capital, Share Application Money pending allotment* and reserves# less accumulated losses and deferred expenditure to the extent not written off.

Reserves to be considered for the purpose of net worth shall be all reserves created out of the profits and securities premium account but shall not include reserves created out of revaluation of assets, write back of depreciation and amalgamation.

*Share Application Money pending allotment will be considered only in respect of share to be allotted.

Accordingly, the definition of Net worth shall be as follows:

Paid up share capital	XXXX
Add: Share Application Money pending allotment	XXX
Add: Reserves (As defined Above)	XXXX
Less: Accumulated Losses	XX
Less: Deferred Revenue Expenditure to the extent not written off	XX
Net worth	XXXX

2. Working Capital calculation:

Working Capital shall be Current Assets minus Current Liabilities.

3. Turnover Calculation:

Turnover shall be calculated including Excise Duty but excluding other Incomes.

1.0 INTRODUCTION:

Assam Bio Refinery Private Limited, Numaligarh, Assam, a joint venture company of NRL, Chempolis and Fortum, is setting up new bio refinery project to produce bio ethanol from bamboo. To cater to the steam and power requirement a new captive Combined Heat and Power plant (CHP) is envisaged in this bio refinery project.

The CHP plant shall be designed to consume the entire quantity of main fuels i.e. Bio coal, Stillage cake and stillage syrup to produce steam in boiler for generating power in STG and to supply steam at various pressure level through STG extraction to meet steam demand of complex besides internal steam requirement of CHP. The generated power shall be used for CHP internal power, power requirement of refinery and balance power to export to grid. Other fuels are solid residual from digester/Bamboo handling dust/liquid residue fusel oil/lights from formicopure/vent gases (weak & strong) and start up fuel is HSD.

The Bio refinery complex shall be self reliance in power. The proposed CHP Plant shall be capable of operation in island mode as well as in synchronism with the External electrical system of the refinery.

2.0 BRIEF SCOPE OF SUPPLY / WORK & SERVICES:

CHP Block comprises of boilers, steam turbine generator system for generation and supply of steam and power, along with BOP items, associated auxiliaries, accessories & facilities. This entire CHP package shall be handled as a single point responsibility basis i.e. Project management, design, engineering, procurement engineering, procurement of raw materials and bought outs, 3-D modelling, HAZOP & SIL studies, manufacturing, fabrication, assembly, testing, inspection, painting, insulation, packing & forwarding, supply, documentations, transportation, receiving at site, site handling, site storage & preservation, site local transportation, statutory approvals / permissions, site construction, site safety arrangement, site assembly, erection, installation, insulation, lining & final painting, refractory dry out, alkali boil out & chemical wash, pre-commissioning, commissioning, Performance guarantee, enabling facilities, clearance of waste generated at site during site construction / installation and hand-over to client are in the scope of CHP contractor.

Tender specification shall outlines the purchaser's requirement for CHP plant comprising of Boilers, Steam Turbine Generator, BOP items, associate auxiliaries, necessary accessories and facilities such as burners, Air Pre Heater, ID/FD fans & Blowers, FW pumps & system, Dosing systems, Deaerator system, PRDS systems, DM water / Condensate system, Bio fuels handling / pelletizing as applicable / conveying / storage / feeding system, Ash collection/handling / conveying system, Ash storage & Disposal system, suitable Dust Collection System, Stack, Air Compressor System, DG set system, 33KV GIS, STG building / shed, EOT cranes, Chain Pulley Blocks, PA & FA system installation & interface hook up, Fire Fighting system & network, Fire Proofing, Plant Illumination, Underground Piping/fittings / materials & associate systems/arrangements, Civil Construction & Foundation, SWAS & CEMS, Instrumentation & Controls, Electrical, Structures & Structural works, Piping & Piping works, Valves & Fittings, Pipe Racks & Finger Pipe Racks, Safety system, Cable Trench, Cable Trays for instrumentation & electrical, Insulation & Lining, Painting, Consumables & Lubricants / chemicals, all site construction & erection consumables, materials & machinery, lifting arrangement, tools & tackles, jigs & fixtures, foundation material etc. complete in all respects as per detailed given in the enquiry documents by meeting statutory requirements, code, standards, specifications, instructions, guide lines and best engineering practices in industries as a single point responsibility basis.

After Final commissioning and successful PG test, 5 years O&M services along with all necessary spares, manning of plant and control room operations, normal & preventive

maintenance, break down maintenance etc.for smooth operation of complete CHP plant shall be in bidder scope.

3.0 PTR SOUGHT FROM PROSPECTIVE BIDDERS:-

1. Bidder shall have experiences of STG based power plant for 20 MW capacity or more.
2. Bidder/ his principle shall have at least one installed & operating job reference for the proposed / offered boiler technology in last 7 years and same shall be in operation at least for one year from the date of Pre tender meet.
3. Bidder / his principle shall have experiences of design, engineering, supply, erection, commissioning of proposed / offered boiler type & technology with bio fuels & Agro based fuels firing.
4. Boiler capacity of reference job shall be min. 60 TPH.

4.0 DOCUMENTS REQUIREMENT FOR THE ABOVE PTR:

Bidder shall submit list of reference jobs clearly identifying 1 no. specific job reference as required above along with proper documentary evidences i.e.

1. P.O / LOI copy indicating scope of work/supply & services involved.
2. Design & engineering documents such as Datasheets, P&IDs, PFD, GAD etc.
3. IRN as evidence of supply
4. Commissioning proof
5. End User feed back.

Prospective bidders to submit all documentary evidences on immediate basis (by 18.03.19) and if any short coming are found during evaluation / checking of the documentations, same are to be fulfilled during Pre tender meeting.