

VISA POWER LIMITED

Registered Office:
8/10, Alipore Road,
Kolkata – 700 027
West Bengal,
India

Tender Notice No:

**INVITATION TO BID FOR BALANCE WORK OF BOP PACKAGE
FOR
2 X 600 MW Sub-Critical UNITS OF
VISA RAIGARH POWER PROJECT, CHHATTISGARH
(INTERNATIONAL COMPETITIVE BIDDING)**

1. INTRODUCTION

VISA Power Limited (VPL) invites sealed tender containing technical, commercial and price offer in sextuple from eligible bidders having sound technical, financial / managerial capability and relevant experience for execution of balance work of Balance of Plant (BOP) Package for VISA Raigarh Power Project, Chattisgarh as per the details given below:

- a) Techno - Commercial offer for 2 x 600 MW on EPC basis from as in where-in site condition.
- b) Techno-commercial offer for 1 x 600 MW + common system, on EPC basis from as in where-in site condition.

Note: The BOP package for 2x600 MW VISA Raigarh Thermal power project was awarded to an EPC contractor on 20-09-2010. The contractor had abandoned the project on 17-08-2012 and the balance work of the BOP package is being carried out at the Cost and Risk of the erstwhile contractor.

2. THE PROJECT

VISA Power Limited is a subsidiary of VISA Group, which is an emerging International Conglomerate with global presence in Minerals, Metals and Power. The Group has already made a foray into power generation business through 75 MW Waste Heat Recovery Power Plant in Kalinganagar, Orissa. VPL intends to install 2 X 600 MW Units to meet the rising power demand in India as a whole and Western Region in particular.

VPL had identified a reputed Contractor for implementation of the BTG package of the project and will operate and maintain the power plant by its own core group.

3. THE SITE

The project site is well connected with National Highway no. 200 and is around 2 kms away. The co-ordinates of the project site are a. 210 55' 44.81" N, 830 16' 30.29" E, b. 210 55' 47.85" N, 830 17' 4.51" E, c. 210 54' 12.81" N, 830 17' 17.56" E d. 210 54' 14.16" N, 830 17' 0.40" E. Nearest Airport is Raipur which is about 250 kms from project site. Nearest Seaport is Paradip, approximately 525 kms away from the project site. The nearest Railway Station is Bhupdeopur, which are about 4 kms from project site on Howrah – Mumbai Main Railway Line. The design ambient dry bulb temperature is 35⁰ C; relative Humidity of 62% and cooling water temperature of 33⁰ C. Winds are generally calm in the period between October and December (with wind speed less than 0.28 m/s) than other months. Winds are generally light (0.28 to 2 m/s) during the post monsoon and winter months. They strengthen during the summer and monsoon months.

4. SCOPE OF WORK

The scope shall cover design, engineering, procurement, manufacturing, shop testing, supply, transportation to site, site conservations & storage, handling at site, insurance, erection, site testing and commissioning, trial run, performance testing of all the major / minor equipments / components / systems of BOP for satisfactory operation to generate power as mentioned above. The major scope of supply and services considered shall be as given below. However, any system / equipment not mentioned in this specification but is necessary to satisfactorily complete the plant for satisfactory continuous generation shall be included in the scope.

a) List of BOP packages along with Electrical and Control systems:

1. Mill Reject Handling System
2. Fuel oil Handling system
3. Turbine Hall EOT Cranes & CWPH EOT Crane
4. CW & ACW system
5. Coal Handling system
6. Ash Handling system
7. Air conditioning system
8. Ventilation system
9. Fire detection & protection and Fire fighting system
10. Compressed air system
11. Plant water system
12. Hydrogen generation system
13. Effluent Treatment Plant
14. Work shop equipment
15. Mobile handling equipment
16. Elevators in TG house
17. COLTCS
18. Condensate polishing unit
19. Hoist and cranes
20. Diesel Generator
21. Automatic weather station

b) Other Electrical System / Equipment

1. 400 KV Switchyard along with Control/Protection
2. Cabling, Earthing and Lighting Protection System
3. Illumination system
4. Battery & battery charger
5. Plant Communication System

c) Other Control and Instrumentation System

6. Interfacing with plant DDCMIS
7. Alarm and annunciation system
8. Plant DC System & Un-interruptible Power Supply (UPS)
9. Public Address System

10. Remote terminal unit for data acquisition from plant water system such as raw water, pre treatment plant, DM plant etc.
11. CCTV & machine condition monitoring system

d) CIVIL SCOPE OF WORK

i. Detailed Scope of Civil, Structural and Architectural Work

1. Plant Infra-structural Works
2. Plant Gate House
3. Culverts and hume pipes for underground facilities
4. Rails for Transformer yard and Power House building with RCC foundations.
5. Fencing for transformer yard and wherever required
6. Plant Storm Water Drainage System.

ii. Main Plant - Turbine Island (Including Cable/Pipe Trenches, Inserts, Anchors Etc Complete)

1. Power House bldg. including equipment foundations along with centralized control room
2. TG Foundation
3. VIS for TG Foundation
4. BFP foundations, CEP foundations & all auxiliaries foundation in Power house building
5. VIS for BFP Foundations
6. Power House Steel Structures incl. Anchors/Restraints for piping
7. Electrical and miscellaneous annexure Bay.
8. Pipe / Cable rack Structures including foundations
9. Pipe and Cable Trenches/supports
10. Concrete stools /Steel structures for equipments' Foundation / mounting (e.g. flash boxes etc.), valve operating platforms, Access ladders etc.

iii. Main Plant - Boiler Island (Including Cable/Pipe Trenches, Inserts, Anchors Etc. Complete)

1. Boiler Foundation including bottom ash handling system foundation
2. ESP Foundation

3. Boiler Auxiliaries and Duct Support Foundations
4. Mill and Bunker Bay Building including bunkers etc.
5. Fan foundations (ID, FD, PA etc.)
6. Mill foundations
7. VIS for Fan Foundation (ID, FD, PA)
8. VIS for Mill Foundation
9. 275 m- twin flue Chimney
10. Miscellaneous equipment foundations etc.
11. Mill reject storage bunker foundations and air receiver foundations
12. Concrete Paving, from transformer yard to Chimney with drainage arrangement
13. Pipe/cable benches/supports

iv. Plant Auxiliary Buildings, Pump Houses including Equipment Foundations, Ducts, Cable/Pipe Trenches, Inserts, Anchors etc. complete

1. Fuel Oil unloading and Pressurizing Pump House
2. Fuel Oil Storage Tank Foundations including Dyke wall, fencing etc.
3. DG Building
4. CW, Raw & Potable Water Chlorination Plants
5. Condensate Polishing Plant
6. Condensate storage tank foundations
7. Condensate transfer pump foundation
8. Air Compressor Plant
9. Air Conditioning Plant Building
10. Air washer room / Building
11. Hydrogen Plant Building
12. ESP Control Building
13. Raw Water Reservoir
14. Raw Water pump House, electrical annexe, fore bay along with gates, screen etc.
15. CW Pump House, sump forebay with electrical annexe
16. Clarified Water Reservoir / Tank and Pump House with Electrical Annexe etc.

17. Fire water pump house including switchgear room, fire water tank, RCC trenches, pedestals for fire water pipe support etc.
18. D.M water pump house, Storage tank degasser foundations and unloading facility
19. CW ducts, encasement for CW pipes.
20. Cooling tower RCC duct from C.T. to CW PH

v. Balance of Plant: - Civil Works, Structures, Foundations, Cable/Pipe Trenches, Inserts, etc. Complete

1. PT Plant including clariflocculators, chemical house, filters, DM Plant, neutralization pit, sludge disposal pump house
2. Coal Handling Plant
3. Ash Handling Plant including AWPB, ASPH, fly ash equipment building, Control room, pump house, recovery water pump house & all equipment foundations.
4. RCC Fly ash silo, fly ash conveying air compressor building & foundations, ash disposal pipe rack/RCC pedestal supports inside and outside plant boundary upto and over ash pond including road along these pipes and hume pipes/culverts.
5. Effluent collection sump, & treatment Plant, central monitoring basin.
6. All internal and External pipe/cable trenches, Buried pipe civil works, Pipe supports, Pipe/Cable racks, Cable tray Supports, Inserts, Oil water separators etc.

vi. Plant Common Facilities

1. Admin. Building
2. Technical Building
3. Workshop Building
4. Plant Stores
5. Training Center Building
6. Fire Station building, drill & hose drying towers.
7. Canteen Building
8. Covered Car Park
9. Colony for Staff

5. COMPLETION SCHEDULE

Bidders should give their best project execution schedule for completing the balance work of BOP package on EPC basis for:

- a. 2x600 MW as in where-in site condition
- b. 1X600 MW +Common system as in where-in site condition

6. DETAILS OF TENDER:

- | | |
|---|---|
| e) Cost of one set of tender document
(Indian Currency) Rs. 1,00,000 /-
(Foreign Currency) US \$ 2500 | Payment should be made by crossed Demand Draft/ Pay Order drawn in favor of VISA Power Limited payable at "Kolkata, West Bengal, India" on any Bank operating in India. |
| f) Date of sale of tender paper | From 22.04.13 to 02.05.13 during working hours from 10:00 hrs. to 17:00 hrs.(IST) on normal days excluding Sundays and Holidays and from 10:00 hrs. to 15:00 hrs. (IST) on Saturday |
| g) Last date and time for submission of complete tender | 03.06.13 Up to 13:00 hrs. (IST) |
| h) Place, date & time for opening of tender | VISA Power Limited, 8/10 Alipore Road, Kolkata - 700027, West Bengal, India

04.06.13 at 11:00 hrs. (IST). |

i) Bid Guarantee

Bid Guarantee shall be submitted in a separate sealed envelope in the following mode:-

- i) By Bank Guarantee-Indian Currency Rupees Seventy million (Rs. 70,000,000/-) or foreign currency US\$ Two million (US\$ 2 million) issued by a Branch of any reputed nationalized Bank licensed to do business in India.
- ii) The Bank Guarantee should remain valid for a period of one hundred and eighty (180) days from the date of opening of tender.

The details of the above and the other terms and conditions have been specified in the General Conditions of Contract.

7. Qualification of Bidder:

- iii) Bidders are required to quote for BOP for two (2) Units of rating 600 MW & one unit of 600 MW and common systems each for which they are qualified as per relevant stipulation of clause No. 4. ii) of this notice.
- iv) This tender is open to any single bidder (called "Prime Bidder") who is a reputed manufacturer / contractor for Design, engineering, supply, erection & commissioning of BOP for size 200 MW or above, or a well established internationally reputed organization. The prime bidder must have executed at least one (01) turn key contracts of /lignite based/gas based combined cycle power plant of installed capacity not less than 200 MW which has been commissioned during the last 10 years in India and has been in successful operation for at least one year as on 7 days prior to the date of opening of the tender. In case the prime bidder is not a manufacturer, he should associate with manufacturer(s) [called "Associate(s)"] of Balance of plant (BOP) for size 200 MW or above. The prime bidder as a group leader will be contractually bound to the Purchaser on behalf of all his associates. The scope of work of the prime bidder will be on the basis of a single bidder's responsibility. Thus the prime bidder shall be solely responsible for all the technical and management services required to cover the entire scope of the work.
- v) The Net Worth of the Prime Bidder at the end of each of the last three (3) fiscal years shall be not less than Indian Rs.5.0 (five) billion or foreign currency US\$ 125 million (US\$ One hundred and twenty five million).
- vi) Construction sub-contractors, Supply sub-vendors & manufacturing sub-vendors shall be subject to approval by VISA Power Limited.
- vii) Erection laborers for the sub-contractors shall be citizens or legal residents of India. Un-skilled labors are to be engaged from local area as per law of the land.

In addition to the above, satisfactory fulfillment of the Clause “Qualification of Bidders” stipulated under Section 2 “Instruction to Bidders”, in the Conditions of Contract, shall also apply.

2. All eligible payments under this contract will be financed through Domestic Borrowing, Internal and other sources.
3. On the basis of a written application, tender documents can be purchased from the office of Jt Managing Director, VISA Power Limited, 8/10 Alipore Road, Kolkata – 700 027 from 22.04.13 to 02.05.13 during working hours from 10:00 hrs. to 17:00 hrs.(IST) on normal days excluding Sundays and Holidays and from 10:00 hrs. to 15:00 hrs. (IST) on Saturday as per the price and other payment details indicated in Sl. No. 3 above.
4. Accredited agents/representatives of foreign bidders in India are also permitted to purchase the tender documents on behalf of the foreign bidder on presentation of valid document and on payment of requisite tender price as indicated above. No tender paper will be sent by post.
5. Tender papers are not transferable.
6. The offer must accompany the Bid Guarantee as indicated above, failing which it will not be considered.
7. Any offer received after the expiry of the date & time prescribed for receiving completed tenders, will not be opened.
8. VISA Power Limited reserves the right to reject any tender or all tenders received at its discretion without assigning any reason whatsoever.
9. VISA Power Limited is not necessarily bound to accept the lowest offer.
10. Issuance of bidding documents will not be construed to mean that such bidders are automatically considered qualified.
11. Fax, Phone No. and Website of VISA Power Limited registered Office are :
Fax No. : +91 – 33 3011 9003, Web site: www.visapower.net

Contact Details:

Name : Mr Rangarao Gummalla, (VP C&M & Projects)
E-mail : g.rangarao@visapower.net
Contact no: 07898900646, 033-30119306

Name : Mr Bhaskar De, (Manager - C&M)
E-mail : bhaskar.de@visapower.net
Contact no : 09874734100; 033-30119328