|  |  |  |
| --- | --- | --- |
|  |

|  |
| --- |
| **NATIONAL POWER PARKS MANAGEMENT COMPANY (PVT) LIMITED** |

 |

**OPERATION & MAINTENANCE (O&M) SERVICES**

 **OF**

**1230 MW COMBINED CYCLE POWER PLANT**

**HAVELI BAHADUR SHAH, JHANG, PAKISTAN**

**IFP NO. 2A-RLNG-POWER PLANT (O&M)-R1**

**Prequalification Documents**

**December 2016**

|  |  |
| --- | --- |
|  | **National Engineering Services Pakistan (Pvt.) Ltd. (NESPAK)****1-C, Block N, Model Town Extension, Lahore, Pakistan****Tel: +92-42-99090000, Fax: +92-42-99231936, E-mail: pm.nespak.hbs@gmail.com****(Consultants)** |

**Summary Description**

**PART 1. PREQUALIFICATION PROCEDURES**

**Section I. Instructions to Applicants (ITA)**

**Section II. Qualification Criteria (QLC)**

**Section III. Application Forms (APF)**

**Section IV. Eligible Countries (ELC)**

**PART 2. REQUIREMENTS**

**Section V. Scope of Contract (SOC)**

**Table of Contents**

**PART – 1: PREQUALIFICATION PROCEDURES**

## Section I: Instructions to Applicants

A. General 1

1. Scope of Application 1

2. Source of Funds 2

3. Fraud and Corruption 2

4. Eligible Applicants 3

5. Eligible Materials, Equipment and Services 4

B. Contents of Prequalification Documents 4

6. Sections of the Prequalification Documents 4

7. Clarification of Prequalification Documents 4

8. Amendment of Prequalification Documents 5

C. Preparation of Applications 5

9. Cost of Applications 5

10. Language of Application 5

11. Documents Comprising the Application 5

12. Application Submission Sheet 6

13. Documents Establishing the Eligibility of the Applicant 6

14. Documents Establishing the Qualifications of the Applicant 6

15. Signing of the Application and Number of Copies 6

D. Submission of Applications 6

16. Sealing and Marking of Applications 7

17. Deadline for Submission of Applications 7

18. Late Applications 7

19. Opening of Applications 7

E. Evaluation of Applications 7

20. Confidentiality 7

21. Clarification of Applications 7

22. Responsive-ness of Applications 8

23. Margin of Preference 8

24. Subcontractors 8

F. Prequalification of Applicants 8

25. Evaluation of Applications 8

26. Employer’s Right to Accept or Reject Applications 8

27. Prequalification of Applicants 8

28. Notification of Prequalification 8

29. Invitation to Bid 8

30. Changes in Qualifications of Applicants 9

31. Changes in Structure Post-Qualification 9

Section II: Qualification Criteria

1. Eligibility 9

1.1 Nationality 9

1.2 Conflict of Interest 9

1.3 Blacklisting 9

2. Pending Litigation 9

2.1 Pending Litigation 9

3. Financial Situation 10

3.1 Historical Financial Performance 10

3.2 Average Annual Turnover 10

3.3 Credit Line 10

4. Experience 11

5. Personnel Capabilities 11

Section III: Application Forms

Application Submission Sheet 12

Form ELI – 1.1 Applicant Information Sheet 14

Form ELI – 1.2 JV Information Sheet for JV Partners 15

Form ELI – 1.3 Ineligibility/Blacklisting 16

Form LIT – 2 Pending Litigation 17

Form FIN – 3.1 Financial Situation 18

Form FIN – 3.2 Average Annual Turnover 20

Form FIN – 3.3 Credit Line 21

Form EXP – 4.1 Specific Experience (Summary Sheet) 22

Form EXP – 4.2 Specific Experience 23

Form PER-5.1 Personnel Capabilities 25

Form PER-5.2 Candidate Summary 26

##### Section IV: Eligible Countries 28

**PART – 2: REQUIREMENTS**

Section V: Scope of Contract

##### 1. Brief Description of Scope of Contract 29

##### 2. Overall Project Schedule 30

##### 3. Overall O&M Schedule 30

##### 4. Site 30

##### 5. Primary Fuel 31

##### 6. Back up fuel 31

##### 7. Power evacuation 31

##### 8. Owner’s Engineer 31

##### Annex-I: Location Map 32

**PART – 1: PREQUALIFICATION PROCEDURES**

##  Section I: Instructions to Applicants

|  |
| --- |
| 1. **General**
 |
| 1. Scope of Application
 | * 1. In connection with the Invitation for Prequalification (IFP) No. 2A-RLNG-POWER PLANT (O&M)-R1, National Power Parks Management Company (Pvt.) Limited, the Employer, issues this Prequalification Document on International Competitive Bidding (ICB) basis to Applicants interested in bidding for the works/services pertaining to Operation & Maintenance (O&M) of 1230 MW Combined Cycle Power Plant at Haveli Bahadur Shah (the **Plant**).

NPPMCL is a private limited company, wholly owned by Ministry of Water & Power, Government of Pakistan and incorporated under the Companies Ordinance 1984 on **March 3rd, 2015**. NPPMCL is setting up a 1230 MW (Gross) Combined Cycle Power Plant at Haveli Bahadur Shah, Jhang, 47 km from Toba Tek Singh under the IPP (Independent Power Producer) regime. RLNG will be the primary fuel for the Plant whereas High Speed Diesel (HSD) will be used as a backup fuel. Configuration of the Plant comprises two (02) GE Frame 9HA.01 Gas Turbines, two (02) Alstom Heat Recovery Steam Generators and one (01) Alstom Steam Turbine.Engineering, Procurement and Construction Contract of the Plant has been signed with M/s Power Construction Corporation of China – Qavi Engineers JV on **October 13, 2015** after a transparent International Competitive Bidding (ICB) process.A Long Term Service Agreement (LTSA) has been signed with the GT OEM, GE, on **October 18, 2016**.The project is getting executed on fast track basis with the Plant being commissioned in phases; both Gas Turbines are expected to be commissioned on Simple Cycle during the second quarter of 2017 (each GT one month apart) whereas the Plant is expected to be commissioned in Combined Cycle mode in the last quarter of 2017. The progress of works at Site is satisfactory and the project is expected to be completed as per schedule.The gas required by the Power Plant will be supplied by SNGPL for which Gas Supply Agreement (GSA) has been signed on **October 29, 2016**. The power generated by the Plant will be evacuated via a connection to the existing 500 kV double circuit transmission line, approx. 3 km long, for looping in/out of the existing Muzaffargarh – Gatti (Faisalabad West) 500 kV single circuit and 500 kV double circuit transmission line, approx. 25 km long, for looping in/out of the existing Multan – Gatti (Faisalabad West) 500 kV single circuit at the Plant. In this regard, Power Purchase Agreement has been executed with the power purchaser, i.e. CPPA(G) for the sale of energy on **October 29, 2016**.NPPMCL now intends to hire the services of a reputed O&M Contractor who shall work in close association with the EPC Contractor during the commissioning phases of the Project and the 2-year warranty period, and in liaison with the LTSA Contractor during operational phase of the Project.* 1. The Employer’s Representative to perform the duties delegated by the Employer for the Project shall be National Engineering Services Pakistan (Pvt.) Ltd. (NESPAK) as Consultants.
 |
| 1. Source of Funds
 | 2.1 Cost of the Contract shall be financed by National Power Parks Management Company (Pvt) Limited, the Employer, through its own resources. |
| 1. Fraud and Corruption
 | * 1. Anticorruption Policy prevailing in Pakistan requires that Applicants/Bidders, suppliers, and contractors observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Employer:

defines, for the purposes of this provision, the terms set forth below as follows: 1. “corrupt and fraudulent practice” means the offering, giving, receiving, or soliciting, of anything of value to influence the action of a public official or the contractor in the procurement process or in contract execution to the detriment of the procuring agency; or misrepresentation of facts in order to influence a procurement process or the execution of a contract, collusive practices among Bidders (prior to or after bid submission) designed to establish bid prices at artificial, non-competitive levels and to deprive the procuring agency of the benefits of free and open competition and any request for, or solicitation of anything of value by any public official in the course of the exercise of his duty;
2. “coercive practice” means impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to achieve a wrongful gain or to cause a wrongful loss to another party;
3. “collusive practice” means by arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;
4. “integrity violation” means any act which violates Anticorruption Policy including corrupt, fraudulent, coercive, or collusive practice, abuse, and obstructive practice; “obstructive practice” by harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights

will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations in competing for the Contract; andwill sanction/impose remedial actions on a firm or an individual, at any time in accordance with applicable Laws and Anticorruption Policy including declaring ineligible, either indefinitely or for a stated period of time, to participate as a contractor, nominated subcontractor, consultant, manufacturer or supplier, or service provider; or in any other capacity, if it at any time determines that the firm or individual has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices or other integrity violations. |
| 1. Eligible Applicants
 | * 1. An Applicant shall be an entity or any combination of entities in the form of a Joint Venture (JV) with a formal intent to enter into an agreement or under an existing agreement. In the case of a JV,

all partners to the JV shall be jointly and severally liable; anda JV shall nominate a representative to act as the lead partner who shall have the authority to conduct all business for and on behalf of any and all the partners of the JV during the prequalification process and, in the event the JV is prequalified, during the bidding process, and in the event the JV is awarded the Contract, during contract execution. |
|  | * 1. An Applicant, and all partners constituting the Applicant, shall have the nationality of an eligible country, in accordance with Section IV titled Eligible Countries. An Applicant shall be deemed to have the nationality of a country if the Applicant is a national of that country; or is constituted, incorporated, or registered and operates in conformity with the provisions of the laws of that country.
 |
|  | * 1. The above requirement shall apply to the determination of the nationality of Bidders/JV partners.
 |
|  | * 1. Employer considers a conflict of interest to be a situation in which a party has interests that could improperly influence that party’s performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations. The Employer will take appropriate actions to manage such conflicts of interest which may include rejecting a proposal for award if it determines that a conflict of interest has flawed the integrity of any procurement process. A Bidder may be considered to be in a conflict of interest with one or more parties in the bidding process if a Bidder participates in more than one bid in the bidding process, either individually or as a partner in a joint venture. This will result in the disqualification of all Bids in which it is involved. However, this does not limit the participation of a Bidder as a subcontractor in another bid or of a firm as a subcontractor in more than one bid.
 |
|  | * 1. A firm that is under a declaration of ineligibility/blacklisting by any of its Employers in accordance with ITA Clause 3, at the date of submission of the Application or thereafter, shall not be considered.
 |
|  | * 1. Applicants shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer shall reasonably request.
 |
|  | * 1. The successful Bidder shall be required to obtain an appropriate license from Pakistan Engineering Council for O&M works/services in accordance with the provisions of PEC Bye-laws titled “Construction and Operation of Engineering Works Bye-laws, 1987” issued under SRO 568(I)/87 dated July 08, 1987.
	2. A domestic Applicant or domestic JV partner should be on Active Taxpayer List of FBR.
	3. An Applicant shall submit only one Application in this prequalification process, either individually as an Applicant or as a partner of a joint venture. An Applicant who submit or participate in more than one Application will cause all the Applications in which the Applicant has participated to be disqualified.
 |
| 1. Eligible Materials, Equipment and Services
 | * 1. The materials, equipment and services to be supplied under the Contract shall have as their country of origin, an eligible country as per Section IV titled Eligible Countries.
 |
|  | **B. Contents of Prequalification Documents** |
| 1. Sections of the Prequalification Documents
 | * 1. The Prequalification Documents consist of Parts 1 and 2 which include all the sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITA Clause 8.

**PART 1 Prequalification Procedures*** Section I. Instructions to Applicants (ITA)
* Section II. Qualification Criteria (QLC)
* Section III. Application Forms (APF)
* Section IV. Eligible Countries (ELC)

**PART 2 Requirements*** Section V. Scope of Contract (SOC)
 |
|  | * 1. The “Invitation for Prequalification” issued by the Employer is not part of the Prequalification Documents.
 |
|  | * 1. The Employer accepts no responsibility for the completeness of the Prequalification Documents and its addenda unless they were obtained directly from the Employer.
 |
|  | * 1. The Applicant is expected to examine all instructions, forms, and terms in the Prequalification Documents and to furnish all information or documentation required by the Prequalification Documents.
 |
| 1. Clarification of Prequalification Documents
 | * 1. A prospective Applicant requiring any clarification of the Prequalification Documents shall contact the Employer in writing at the Employer’s address as shown hereunder. The Employer will respond in writing to any request for clarification provided that such request is received no later than seven (07) days prior to the deadline for submission of Applications. The Employer shall forward copies of its response to all Applicants who have acquired the Prequalification Documents directly from the Employer including a description of the inquiry but without identifying its source. Should the Employer deem it necessary to amend the Prequalification Documents as a result of a request for clarification, it shall do so following the procedure under ITA Clause 8 and in accordance with the provisions of Sub-Clause 17.2.

 For **clarification purposes** only, the Employer’s address is:  **Mr. Shahzad Aziz Khan (GM Admin & HR),National Power Parks Management Company (Pvt) Limited**  **Address: 2nd Floor, 7-C-1, Gulberg-III, Lahore, Pakistan** **Telephone: +92-42-35759274** **Facsimile number: +92-42-35759275** **Email: shahzad.aziz@nppmcl.com** |
| 1. Amendment of Prequalification Documents
 | * 1. At any time prior to the deadline for submission of Applications, the Employer may amend the Prequalification Documents by issuing addenda.
 |
|  | * 1. Any addendum issued shall be part of the Prequalification Documents and shall be communicated in writing to all who have obtained the Prequalification Documents directly from the Employer.
 |
|  | * 1. To give prospective Applicants reasonable time in which to take an addendum into account in preparing their Applications, the Employer may, at its discretion, extend the deadline for the submission of Applications.
 |
|  | **C. Preparation of Applications** |
| 1. Cost of Applications
 | * 1. The Applicant shall bear all costs associated with the preparation and submission of its Application, and the Employer shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the prequalification process.
 |
| 1. Language of Application
 | * 1. The Application, as well as all correspondence and documents relating to the prequalification exchanged by the Applicant and the Employer, shall be written in the English language. Supporting documents and printed literature that are part of the Application may be in another language, provided they are accompanied by an accurate translation of the relevant passages into the English language, in which case, for purposes of interpretation of the Application, the translation shall govern.
 |
| 1. Documents Comprising the Application
 | * 1. The Application shall comprise the following:
		1. Application Submission Sheet, in accordance with ITA Clause 12;
		2. written confirmation authorizing the signatory of the Application to commit the Applicant, in accordance with ITA Sub-Clause 15.3;
		3. documentary evidence establishing the Applicant’s eligibility to prequalify, in accordance with ITA Clause 13; and
		4. documentary evidence establishing the Applicant’s qualifications, in accordance with ITA Clause 14.; and
		5. valid NTN Number by a domestic Applicant or domestic partner(s) of a JV.
 |
| 1. Application Submission Sheet
 | * 1. The Applicant shall prepare an Application Submission Sheet using the form furnished in Section III, Application Forms. This form must be completed without any alteration to its format.
 |
| 1. Documents Establishing the Eligibility of the Applicant
 | * 1. To establish its eligibility in accordance with ITA Clause 4, the Applicant shall complete the eligibility declarations in the Application Submission Sheet and Forms ELI 1.1, 1.2 and 1.3 included in Section III, Application Forms.
 |
| 1. Documents Establishing the Qualifications of the Applicant
 | * 1. To establish its qualifications to perform the contract in accordance with Section II, Qualification Criteria, the Applicant shall provide the information requested in the corresponding forms included in Section III, Application Forms.
 |
| 1. Signing of the Application and Number of Copies
 | * 1. The Applicant shall prepare one original of the documents comprising the Application as described in ITA Clause 11 and clearly mark it “ORIGINAL”. The original of the Application shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Applicant.
 |
|  | * 1. The Applicant shall submit three (3) copies of the signed original Application, and clearly mark them “COPY”. In the event of any discrepancy between the original and the copies, the original shall prevail.
 |
|  | * 1. The requirements regarding the legal instrument evidencing the authorization to represent and sign on behalf of the Applicant shall be a duly certified board resolution or a power of attorney, on a Rs. 1000 stamp paper, duly notarized by the notary public in the country where it is issued, and witnessed by two male adults, indicating that the person(s) signing the Application has(ve) the authority to sign the Application for Prequalification. Applications submitted by an existing or intended JV shall include an undertaking signed by all partners:
		1. stating that all partners shall be jointly and severally liable, and
		2. nominating a Representative to act as lead partner who shall have the authority to conduct all business for and on behalf of any and all the partners of the JV during the prequalification process and, in the event the JV is prequalified, during the bidding process, and in the event the JV is awarded the Contract, during contract execution.
 |
|  | **D. Submission of Applications** |
| 1. Sealing and Marking of Applications
 | * 1. The Applicant shall enclose the original and the copies of the Application in a sealed envelope which shall
		1. bear the name and address of the Applicant;
		2. be addressed to the Employer, in accordance with Sub-Clause ITA 17.1; and
		3. bear the specific identification of this prequalification process indicated in the ITA Sub-Clause 1.1 above.
 |
|  | * 1. If the envelope is not sealed and marked as required, the Employer will assume no responsibility for the misplacement of the Application.
 |
| 1. Deadline for Submission of Applications
 | * 1. Applications shall be submitted by the Applicants through courier/ express mail or by hand at the address indicated in the ITA Sub-Clause 7.1 above. However, Applicants must ensure that the Applications must reach no later than the following deadline:

**February 1, 2017 at 1500 hours**, Pakistan Standard Time.Electronically submitted Application shall not be entertained and treated as rejected. |
|  | * 1. The Employer may, at its discretion, extend the deadline for the submission of Applications by amending the Prequalification Documents in accordance with ITA Clause 8, in which case all rights and obligations of the Employer and the Applicants subject to the previous deadline shall thereafter be subject to the deadline as extended.
 |
| 1. Late Applications
 | * 1. The Employer shall not consider any Application that arrives after the deadline for submission of Applications, in accordance with ITA 17. Any Application received by the Employer after the deadline for submission of Applications shall be declared late, rejected, and returned unopened to the Applicant.
 |
| 1. Opening of Applications
 | * 1. The Applications will be opened on the same day mentioned under ITA 17.1 at **1530 hours** (Pakistan Standard Time). The Employer shall prepare a record of the opening of Applications that shall include, as a minimum, the name of the Applicant.
 |
|  | **E. Evaluation of Applications** |
| 1. Confidentiality
 | * 1. Information relating to the evaluation of Applications, and recommendation for prequalification, shall not be disclosed to Applicants or any other persons not officially concerned with such process until the notification of prequalification is made to all Applicants.
 |
|  | * 1. From the deadline for submission of Applications to the time of notification of the results of the prequalification in accordance with ITA Clause 28, if any Applicant wishes to contact the Employer on any matter related to the prequalification process, it may do so in writing.
 |
| 1. Clarification of Applications
 | * 1. To assist in the evaluation of Applications, the Employer may, at any stage during the course of the prequalification process, ask any Applicant for additional information or supporting documentation in respect of any matter associated with the documentation submitted by the Applicant in its Application.
 |
|  | * 1. If an Applicant does not provide clarifications of the information requested by the date and time set in the Employer’s request for clarification, its Application may be rejected.
 |
| 1. Responsive-ness of Applications
 | * 1. The Employer may reject any Application which is not responsive to the requirements of the Prequalification Documents.
	2. The Employer reserves the right to waive deviations/omissions, if these don’t materially affect the capability of an Applicant to perform the contract. Subcontractor’s experience and resources shall not be taken into account in determining the Applicant’s compliance with the qualifying criteria.
 |
| 1. Margin of Preference
 | * 1. No margin of preference shall apply for domestic Bidder in the bidding process corresponding to this prequalification.
 |
| 1. Subcontractors
 | * 1. The Employer does not intend to execute certain specific parts of the Works/Services by subcontractors selected in advance by the Employer, except the Long Term Service Agreement (LTSA) signed with GE. Also, mandatory spares and consumables for a period of two (02) years are to be provided by the EPC Contractor to the Employer and shall be made available for use to the O&M Contractor.
 |
|  | **F. Prequalification of Applicants** |
| 1. Evaluation of Applications
 | * 1. The Employer shall use the criteria and methods defined in Section II, Qualification Criteria to evaluate the qualifications of the Applicants.
 |
|  | * 1. The general experience and financial resources of subcontractors shall not be added to those of the Applicant for purposes of prequalification of the Applicant.
 |
|  | * 1. As stipulated in ITA 1.1, this prequalification exercise shall be for the contract of Operation & Maintenance (O&M) services/works for 1230 MW RLNG based Combined Cycle Power Plant at Haveli Bahadur Shah, Jhang.
 |
| 1. Employer’s Right to Accept or Reject Applications
 | * 1. The Employer reserves the right to annul the prequalification process and reject all Applications at any time, without thereby incurring any liability to the Applicants.
 |
| 1. Prequalification of Applicants
 | * 1. All Applicants, whose Applications have been determined to be responsive to the requirements of the Prequalification Documents and who have met or exceeded the specified criteria (Passed) shall be prequalified by the Employer.
 |
| 1. Notification of Prequalification
 | * 1. Once the Employer has completed the evaluation of the Applications it shall notify all Applicants in writing of the names of those Applicants who have been prequalified.
 |
| 1. Invitation to Bid
 | * 1. Promptly after the notification of the results of the prequalification, the Employer shall issue the Bidding Documents to all the Applicants that have been prequalified for submission of bids within thirty (30) days.
 |
|  | * 1. Bidders shall be required to provide bid security in the form of a bank guarantee or some other form of security acceptable to the Employer for an amount as specified in the Bidding Documents in order to ensure the Bidders’ commitment to enter into a contract if successful.
 |
| 1. Changes in Qualifications of Applicants
 | * 1. Any change in the qualification status of an Applicant after being prequalified in accordance with ITA Clause 27 shall be subject to the written approval of the Employer. Any such change shall be submitted to the Employer. Such approval shall be denied if as a consequence of any change,
		1. the prequalified Applicant, after the change, no longer substantially meets the qualification criteria set forth in Section II, Qualification Criteria; or
		2. a new partner is added to a prequalified Applicant that does not meet the prequalification criteria.
 |
| 1. Changes in Structure Post-Qualification
 | * 1. The Lead Partner of an Applicant prequalified as a joint venture may apply as a single Bidder provided it fulfils the criteria for a single Applicant mentioned under ITA Clause 27.
	2. An Applicant prequalified as a single entity may submit a Bid as a joint venture by including one or more partners. All requirements applicable to a JV contained in this document shall apply on the Bidder, including but not limited to such new partner(s) having to fulfil the criteria as mentioned under ITA Clause 27.
	3. In case of Sub-clause 31.2, the prequalified applicant shall be the Lead Partner of the Joint Venture.
	4. An Applicant prequalified as a joint venture may modify its partners (other than the Lead Partner) prior to bidding subject to ITA Clause 30 and provided that the reconstituted entity fulfils the criteria as mentioned under ITA Clause 27.
 |

##

##

## Section II. Qualification Criteria

# 1. Eligibility

| **Criteria** | **Compliance Requirements** | **Documents** |
| --- | --- | --- |
| **Requirement** | **Single Entity** | **Joint Venture** | **Submission Requirements** |
| **All Partners Combined** | **Each Partner** | **At Least****One** **Partner** |

# 1.1 Nationality

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Nationality in accordance with ITA Sub-Clause 4.2. | must meet requirement | not applicable | must meet requirement | not applicable | Forms ELI –1.1; ELI –1.2with attachments |

# 1.2 Conflict of Interest

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No conflicts of interest in accordance with ITA Sub-Clause 4.4. | must meet requirement | not applicable | must meet requirement | not applicable | Application Submission Sheet |

# 1.3 Blacklisting

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Not having been declared ineligible/black listed in accordance with ITA Sub-Clause 4.5. | must meet requirement | not applicable | must meet requirement | not applicable | FormELI-1.3 |

# 2. Pending Litigation

|  |  |  |
| --- | --- | --- |
| **Criteria** | **Compliance Requirements** | **Documents** |
| **Requirement** | **Single Entity** | **Joint Venture** | **Submission Requirements** |
| **All Partners Combined** | **Each Partner** | **At Least****One Partner** |

# 2.1 Pending Litigation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| All pending litigation shall be treated as resolved against the Applicant and so shall in total not represent more than fifty (50) percent of the Applicant’s net worth. | must meet requirement | not applicable | must meet requirement | not applicable | Form LIT – 2 |

# 3. Financial Situation

|  |  |  |  |
| --- | --- | --- | --- |
| **Criteria** |  | **Compliance Requirements** | **Documents** |
| **Requirement** | **Single Entity** | **Joint Venture** | **Submission Requirements** |
| **Lead Partner** | **All Partners Combined** | **Each Partner** | **At Least One Partner** |

# 3.1 Historical Financial Performance

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Submission of audited Financial Statement, or, if not required by the law of the Applicant’s country, management financial Statements, for the last three (03) years to demonstrate the current soundness of the Applicants financial position and its prospective long-term profitability.  | must meet requirement | must meet requirement | not applicable | must meet requirement | not applicable | Form FIN - 3.1 with attachments |

# 3.2 Average Annual Turnover

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| For Applicants whose principal business is O&M services only:* minimum average annual turnover of *US$ twenty-five (25) million* or cumulative turnover of *US$ seventy-five (75) million*

For all others:* Minimum average annual turnover of *US$ sixty (60) million* or cumulative turnover of *US$ one-hundred and eighty (180) million*

as reported within the last three (03) years in the statements provided in compliance with criteria 3.1 | must meet requirement | must meet requirement | not applicable | not applicable | not applicable | Form FIN - 3.2 |

# 3.3 Credit Line

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Available cash flow in the amount of equivalent to US$ ten (10) million to meet cash flow requirements, which is a combination of undrawn credit facility and un-encumbered cash/bank balances for smooth discharge of responsibilities under the O&M Contract | must meet requirement | must meet 50% of the requirement | must meet requirement | not applicable | not applicable | Form FIN - 3.3 |

**3.4 Credit Worthiness**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Debt Service Coverage Ratio ≥ 1.2 | must meet requirement | must meet requirement | not applicable | not applicable | not applicable | Form FIN - 3.3 |
| Maximum Debt/Equity Ratio of 70:30 | must meet requirement | must meet requirement | not applicable | not applicable | not applicable | Form FIN - 3.3 |
| Ratio of Current Assets to Current Liabilities (Current Ratio) ≥ 1.01 | must meet requirement | must meet requirement | not applicable | not applicable | not applicable | Form FIN - 3.3 |

Note: An Applicant may provide alternative proof of credit worthiness in the form of credit rating from a reputable credit-rating agency acceptable to the Employer (such as Moodys, S&P, Fitch etc.)

# 4. Experience

|  |  |  |
| --- | --- | --- |
| **Criteria** | **Compliance Requirements** | **Documents** |
| **Requirement** | **Single Entity** | **Joint Venture** | **Submission Requirements** |
| **Lead Partner** | **At Least One Partner** |
| The Applicant (as single entity or lead partner of a joint venture) must during the last ten (10) years have experience in handling on single responsibility basis operation & maintenance of:1. at least two (2) operational gas fired combined cycle power plants; each with gross output of 400 MW or higher at ISO conditions or a cumulative installed capacity of 2000 MW or higher at ISO conditions.
2. at least one gas-fired simple cycle or combined cycle plant located outside the home country of the Applicant;
3. at least one (1) plant with heavy duty gas turbine(s) of 150 MW (ISO conditions) or higher rating.
 | must meet requirement | must meet requirement | Not Applicable | Form EXP-4.1andForm EXP-4.2 |
| The Applicant (as single entity or lead partner of a joint venture) must during the last ten (10) years have experience of performing / supervising major overhaul of at least one steam turbine. | must meet requirement | Not Applicable | must meet requirement |

# 5. Personnel Capabilities

|  |  |  |
| --- | --- | --- |
| **Criteria** | **Compliance Requirements** | **Documents** |
| **Requirement** | **Single Entity** | **Joint Venture** | **Submission Requirements** |
| **All Partners Combined** | **Lead Partner** |
| The Applicant must have on its permanent payroll at least ten (10) Graduate Engineers (or equivalent) with experience in relevant field of 10 years or more. | must meet all requirement | must meet all requirement | Not applicable | FormsPER-5.1andPER-5.2 |

## Section III. Application Forms

Application Submission Sheet

Date:

IFP No.: 2A-RLNG-POWER PLANT (O&M)-R1

**Operation & Maintenance Works/Services of 1230 MW Combined Cycle Power Plant Haveli Bahadur Shah, Jhang, Pakistan**

To: **Mr. Shahzad Aziz Khan (GM Admin & HR),
National Power Parks Management Company (Pvt) Limited**

 **Address: 2nd Floor, 7-C-1, Gulberg-III, Lahore, Pakistan**

 **Telephone: +92-42-35759274**

 **Facsimile number: +92-42-35759275**

 **Email: shahzad.aziz@nppmcl.com**

We, the undersigned, apply to be prequalified for the referenced IFP and declare the following:

1. We have examined and have no reservations to the Prequalification Documents, including all Addenda ............................................... thereto, issued in accordance with ITA Clause 8.
2. We, including all JV partners for any part of the contract(s) resulting from this prequalification process, if any, have nationalities of eligible countries, in accordance with ITA Sub-Clause 4.2.
3. We understand that at the time of bidding, we, including any JV partners for any part of the contract resulting from this procurement process, shall not have any conflict of interest in accordance with ITA Sub-Clause 4.4.
4. We, including any JV partners for any part of the contract(s) resulting from this prequalification, have not been declared ineligible/blacklisted by any of our Employers in accordance with ITA Sub-Clause 4.5.
5. We, including any JV partners, shall comply with the requirements in accordance with ITA Sub-Clauses 4.7 and 4.8.
6. We understand that you may cancel the prequalification process at any time and that you are not bound either to accept any Application that you may receive or to invite the prequalified Applicants to bid for the subject contract of this prequalification, without incurring any liability to the Applicants, in accordance with ITA Clause 26.
7. We agree to permit the Employer or its representative to inspect our accounts and records and other documents relating to the Application for prequalification and to have them audited by auditors appointed by the Employer.
8. All of the Forms accompanying the Application have duly been signed by the undersigned and stamped.

Name

In the capacity of

Signed

…………………………………….. (Seal)…

Duly authorized to sign the Application for and on behalf of (Name of Applicant)

Date

|  |  |
| --- | --- |
| **Witness # 1:** | **Witness # 2:** |
| Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Signed by: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Signed by: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Designation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Designation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Seal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Seal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Form ELI – 1.1
Applicant Information Sheet

Date:

IFP No.: 2A-RLNG-POWER PLANT (O&M)-R1

Page of pages

|  |
| --- |
| Applicant Information |
| **Applicant’s legal name**  |  |
| **In case of JV, legal name of each partner** |  |
| **Applicant’s actual or intended country of constitution** |  |
| **Applicant’s actual or Intended year of constitution** |  |
| **Applicant’s legal address in country of constitution** |  |
| **Applicant’s authorized representative**(name, address, telephone numbers, fax numbers, e-mail address) |  |
| **Attached are copies of the following original documents.*** 1. In case of single entity, articles of incorporation or constitution of the legal entity named above, in accordance with ITA Sub-Clauses 4.1 and 4.2.
* 2. Authorization to represent the firm or JV named in above, in accordance with ITA Sub-Clause 15.3.
* 3. In case of JV, letter of intent to form JV or JV agreement, in accordance with ITA Sub-Clause 4.1.
 |

Form ELI – 1.2
JV Information Sheet for JV Partners

Date:

IFP No.: 2A-RLNG-POWER PLANT (O&M)-R1

Page of pages

**Each member of a JV must fill in this form**

|  |
| --- |
| JV Information |
| **Applicant’s legal name** |  |
| **JV Partner’s legal name** |  |
| **JV Partner’s country of constitution** |  |
| **JV Partner’s year of constitution** |  |
| **JV Partner’s legal address in country of constitution** |  |
| **JV Partner’s authorized representative information**(name, address, telephone numbers, fax numbers, e-mail address) |  |
| **Attached are copies of the following original documents.*** 1. Articles of incorporation or constitution of the legal entity named above, in accordance with ITA Sub-Clauses 4.1 and 4.2.
* 2. Authorization to represent the firm named above, in accordance with ITA Sub-Clause 15.3.
* 3. Letter of Intent to form JV or JV agreement in accordance with ITA Sub-Clause 4.1.
 |

Form ELI – 1.3[[1]](#footnote-2)
Ineligibility/Blacklisting

The Applicant/Partner of the JV shall attach original affidavit on non-judicial stamp paper that the Applicant has not been declared ineligible/blacklisted by any of its employers till date due to the reasons including but not limited to corrupt practices as depicted at ITA Clause 3, influencing the Employer in evaluation of the Bids or contract award decisions etc.

Witnessing Form:

|  |  |
| --- | --- |
| **Witness # 1:** | **Witness # 2:** |
| Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Signed by: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Signed by: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Designation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Designation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Seal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Seal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Form LIT – 2
Pending Litigation

Applicant’s Legal Name: Date:

JV Partner Legal Name: IFP No.: 2A-RLNG-POWER PLANT (O&M)-R1

Page of pages

**Each Applicant or each partner of a JV must fill in this form**

|  |
| --- |
| Pending Litigation |
| * **No pending litigation in accordance with Criteria 2.1 of Section II, Qualification Criteria**
* **Pending litigation in accordance with Criteria 2.1 of Section II, Qualification Criteria, as indicated below**
 |
| **Year** | **Matter in Dispute**  | **Value of Pending Claim in US$ Equivalent** | **Value of Pending Claim as a Percentage of Net Worth** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Form FIN – 3.1
Financial Situation

Applicant’s Legal Name: Date:

JV Partner Legal Name: IFP No.: 2A-RLNG-POWER PLANT (O&M)-R1

Page of pages

**Each Applicant or partner of a JV must fill in this form**

| **Financial Data for Previous 3 Years [US$ Equivalent]** |
| --- |
|  | Year 1: | Year 2: | Year 3: |
| Information from Balance Sheet |
| Total Assets (a) |  |  |  |
| Total Liabilities (b) |  |  |  |
| Net Worth (a-b) |  |  |  |
| Current Assets (c) |  |  |  |
| Current Liabilities (d) |  |  |  |
| Working Capital (c-d) |  |  |  |
| Information from Income Statement |
| Total Revenues  |  |  |  |
| Profits Before Taxes |  |  |  |
| Profits After Taxes |  |  |  |
| Currency Exchange Rate used for conversion/translation from local currency to US$ at year end |  |  |  |
| * Attached are copies of financial statements in English language in the name of Applicant (the prospective bidder) or Parent Group (in which case Parent Guarantee shall be required as part of the Bid) i.e. balance sheets including all related notes, and income statements for the last three (3) years, as indicated above, complying with the following conditions.
* All such documents reflect the financial situation of the Applicant or each partner to a JV.
* Historic financial statements must be audited by a certified accountant.
* Historic financial statements must be complete, including all notes to the financial statements.
* The financial information reflected above should be consistent with the corresponding information reported in the audited financial statements

Historic financial statements must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted). *Soft copies of these financial statements in the form of CD together with respective hard copies shall be provided.*Note: If Applicant is part of a Group of Companies*, please provide the Detailed Group Structure indicating, among other details (like shareholding %age, legal status and name of all companies/entities, common directorship, if any, etc.) the Ultimate Parent.**If Applicant’s principal business activity is providing O&M services, the Applicant shall submit a certificate issued by its statutory auditor certifying the amount of O&M services revenues claimed by the Applicant under Form Fin 3.1.*  |

Form FIN – 3.2
Average Annual Turnover

Applicant’s Legal Name: Date:

JV Partner Legal Name: IFP No.: 2A-RLNG-POWER PLANT (O&M)-R1

Page of pages

**Each Applicant or each partner of a JV must fill in this form**

|  |
| --- |
| Annual Turnover Data for the Last Years  |
| **Year** | **Amount****Currency** | **Exchange** **Rate** | **US$****Equivalent** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  **Average Annual Turnover**  |  |

The information supplied should be the Annual Turnover of the Applicant or each partner of a JV in terms of the amounts recognized for each year, converted to US Dollars at the rate of exchange at the end of the period reported. This should be consistent with the revenue reported in the audited accounts.

Form FIN – 3.3
Credit Line

The Applicant shall provide original certificate from reputed banks/DFIs to the effect that the Applicant (individual/JV) has financial resources/access/ un-encumbered cash/bank balance for smooth execution/completion of the Project.

The “Available Cash Flow” must be demonstrated inter alia through a combination of undrawn credit facility and unencumbered cash/bank balances. The above said information/statement shall be for the last completed financial year.

Form EXP – 4.1
Specific Experience (Summary Sheet)

Applicant’s Legal Name: Date:

JV Partner Legal Name: IFP No.: 2A-RLNG-POWER PLANT (O&M)-R1

Page of pages

**Fill up the summary sheet to provide summary of contracts.**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sr. No. | Name of Project | Location of Project | Employer’s Name | Configuration of Plant | Size & Model of units | Gross Capacity of Plant | No. of Major Overhaul Completed / Supervised on Steam Turbine | Contract Award Date | Contract End Date |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

Form EXP – 4.2
Specific Experience

Applicant’s Legal Name: Date:

JV Partner Legal Name: IFP No.: 2A-RLNG-POWER PLANT (O&M)-R1

Page of pages

**Fill up one (1) form per contract.**

|  |
| --- |
| Contract of Similar Size and Nature |
| **Contract No**. . . . . . **of** . . . . . . | **Contract Identification** |  |
| **Award Date** |  | **Completion Date** |  |
| **Role in Contract** | * **Contractor**
 | * **Management Contractor**
 | * **Subcontractor**
 |
| **Total Contract Amount** | **US$** |
| **If partner in a JV, specify participation of total contract amount** | **Percent of Total** | **Amount** |
| **Employer’s Name****Address****Telephone/Fax Number****E-mail** |  |
| Description of the similarity in accordance with Criteria 4 of Section II |
|  |

Note: The Employer’s/End User’s Certificates on their letterhead should be attached. If not in English, translation thereof in English, duly authenticated/notarized must be attached.

 In the above table of ‘Description’, the information including but not limited to the following should be provided:

1. Amount (insert in US Dollars in words and figures)
2. Plant type &size (insert type and ratings of plant and major equipment i.e. gas turbine(s), HRSG(s), steam turbine(s))
3. Configuration
4. Fuel
5. Other characteristics (insert other characteristics as required in Criteria 4 of Section II)

Form PER-5.1
Personnel Capabilities

**Proposed Personnel**

List of personnel in accordance with the Criteria 5 is to be provided. However, the following form is to be filled in for the specific positions:

|  |
| --- |
| *Name of Applicant* |

*For specific positions essential to contract implementation, Applicants should provide the names of at least two candidates qualified to meet the specified requirements stated for each position. The data on their experience should be supplied on separate sheets using one Form for each candidate (Application Form PER-5.2).*

|  |  |
| --- | --- |
| 1. | Title of Position |
|  | Name of Prime Candidate |
|  | Name of Alternate Candidate |
| 2. | Title of Position |
|  | Name of Prime Candidate |
|  | Name of Alternate Candidate |
| 3. | Title of Position |
|  | Name of Prime Candidate |
|  | Name of Alternate Candidate |
| 4. | Title of Position |
|  | Name of Prime Candidate |
|  | Name of Alternate Candidate |
| 5. | Title of Position |
|  | Name of Prime Candidate |
|  | Name of Alternate Candidate |

Form PER-5.2
Candidate Summary

**Resume of Proposed Personnel**

|  |
| --- |
| *Name of Applicant* |

|  |  |
| --- | --- |
| **Position** | **Candidate** [Tick appropriate one] 🞎 Prime 🞎 Alternate |
| Candidate information | 1. Name of Candidate | 2. Date of Birth |
|  | 3. Professional Qualification |
|  |  |
| Present employment | 4. Name of employer |
|  | Address of employer |
|  |  |
|  | Telephone | Contact (manager/personnel officer) |
|  | Fax | Telex |
|  | Job title of candidate | Years with present employer |

*Summarize professional experience over the last 10-20 years, in reverse chronological order. Indicate particular technical and managerial experience relevant to the Project.*

|  |  |
| --- | --- |
| **Month/****Dates/Years** | **Company / Project / Position / Relevant technical and management experience** |
| **From** | **To** |  |
|  |  |  |
|  |  |  |
|  |  |  |

In case of local engineers, they must possess valid PEC registration. In case of foreign engineers, the relevant registration/certificate from their professional institution must be provided.

**Section IV. Eligible Countries**

## Section IV. Eligible Countries

All countries of the world with whom Islamic Republic of Pakistan has commercial/trade relations and those who are not subject to sanctions imposed by the United Nations Security Council.

**PART – 2: REQUIREMENTS**

## Section V. Scope of Contract

## Section V. Scope of Contract

##### 1. Brief Description of Scope of Contract

 The scope includes but not limited to operation & maintenance of the gas fired combined cycle power plant of 1230 MW (Gross) at Haveli Bahadur Shah, Jhang. Salient features of the Projects are as under:

|  |  |
| --- | --- |
| NO. | DESCRIPTION |
|  | Combined Cycle Power Plant (2 GT + 2 HRSG + 1 ST) with Net Output Range of 1207.9 MW (RSC) |
|  | Primary Fuel - Natural gas (RLNG) |
|  | Minimum net efficiency (LHV) in combined cycle operation with once through cooling is 62.44% (RSC) |
|  | Simple cycle operation will be required for early generation |
|  | Evaporative cooling for GT air intakes |
|  | Cooling system - during ten to eleven months (10-11) per year, raw water will be taken from an irrigation canal, i.e. Trimmu-Sidhnai Link Canal, adjacent to the site of HBS PP |
|  | During the maintenance period of the Trimmu-Sidhnai link canal –one to two (1-2) months per year, water from the canal will be unavailable. In this period, the raw water will be taken from a well field and the cooling system shall be a closed cycle cooling water system through mechanical draught type cooling tower. |
|  | LTSA from GT-OEM for 50,000 FFH (6 years) and for 100,000 FFH (optional) |
|  | O&M Contractor will be required to perform Operation & Maintenance services for the Plant for 6 years (mandatory) and 12 years (at the discretion of the Employer) |
|  | Gas Booster Station (3 x 50% Gas Compressors) |
|  | 500 kV AIS switch yard in 1 ½ breaker scheme |
|  | Inventory details of spare parts will be provided at a later stage upon receipt from EPC Contractor |
|  | Employer has obtained and maintains EAR policy during Construction and Operation of the Plant |
|  | Internal Security will be the responsibility of the O&M Contractor whereas the External Security (perimeter) will be Employer’s Responsibility |

The Plant is being designed, manufactured and installed for continuous operation at base load and as well as at part loads. The Plant shall comprise components and systems built to international standards. Standardisation and interchangeability of equipment and parts shall be optimised. The Plant shall comply with all the applicable national and statutory codes and will consist:

* Gas turbines - GE 9HA.01 (3000 rpm) – 2 units;
* Steam turbine – Alstom - 1 unit;
* HRSG – natural circulation, horizontal, three pressure with reheat by Alstom – 2 units;
* Gas turbine generator – GE Hydrogen Cooled – 2 units;
* Steam turbine generator – Alstom – 1 unit;
* Frequency – 50 Hz;
* The plant has been designed for a lifetime of approximately 240,000 operating hours over a period of 30 years.

**Abbreviation:**

AIS – Air-insulated switchgear

BoP - Balance of plant

CCPP – Combined cycle power plant

EDOC – Effective date of contract

EPC - Engineering, procurement and construction

FFH Factored Fired Hours

GoP - Government of Pakistan

GT – Gas turbine

HRSG – Heat recovery steam generator

HSD High Speed Diesel

ISO - International Organization for Standardization

LHV – Low heating value

LNG - Liquefied natural gas

LTSA – Long term service agreement

MCR Maximum Continuous Rating

OEM – Original equipment manufacturer

OH – Operating hours

O&M - Operation and maintenance

RLNG - Re-gasified liquefied natural gas

RSC Reference Site Conditions

SC – Simple cycle

SNGPL- Sui Northern Gas Pipelines Limited

ST – Steam turbine

##### 2. Overall Project Schedule

 The sequence of execution of projects is presented below:

|  |  |  |
| --- | --- | --- |
| NO. | ACTION | DATE |
|  | Signing of EPC contract - Employer | 13 October 2015 |
|  | Grid Terminal ready for connection | 10 November 2016  |
|  | Back Feed ready | 10 December 2016 |
|  | Stable Gas Supply availability | From 25 February, 2017 |
|  | Fuel Oil Supply availability | From 25 February, 2017 |
|  | COD of Unit 1 (Single Cycle) | May 2017 |
|  | COD of Unit 2 (Single Cycle) | June 2017 |
|  | COD of Unit 3 (Combined Cycle) | 09 January 2018 or earlier |

#####

##### 3. Site

 The site for setting-up the power plant is situated at Haveli Bahadur Shah, District Jhang in Punjab province of Pakistan. (Location map of the Site of the power plant is attached as Annex-I.

##### 4. Primary Fuel

The gas will be made available by Sui Northern Gas Pipeline Limited (SNGPL). The gas supply terminal is situated within the power plant’s boundaries. The gas pressure will be 34.5 to 48.3 bar(g) at terminal point and temperature of around 35 deg. F to 90 deg. F.

The fuel system will comprise the natural gas control and metering system together with gas treatment skid, fine filter and condensate return line to condensate tank, fuel consumption meters, all necessary equipment like stop valve, control valve, pressure transmitters, gas heater, the respective instrumentation and an automatically operated purging system. Gas supply is considered stable and therefore no storage facilities are considered necessary.

Gas Booster Station comprising of 3x50% Gas Compressors shall be installed in order to achieve the pressure required by the Gas Turbines.

##### 5. Back up fuel

High speed diesel (HSD) oil shall be the back-up fuel. HSD oil will be delivered by road tankers and unloaded by means of truck unloading stations and supplied to the storage tanks. The HSD storage tanks shall be of the cylindrical welded steel type. The capacity of HSD tanks shall ensure about 7 days continuous operation of the plant at MCR.

##### 6. Power evacuation

The National Transmission & Despatch Company Limited (NTDCL) is the entity responsible for carrying out the design, construction, maintenance, and operation of the grid system, consisting of transmission lines and grid stations throughout the country, except for K-Electric area. NTDCL transmission network links generating stations and load centres of the entire country creating one of the world's largest contiguous grid systems. The national grid, connecting hydro generation in the north and thermal generation in mid-country and the south, consists of a large network of transmission lines and grid stations to transmit power to load centres throughout the country.

The power generated by the plant will be evacuated by connection to the existing 500 kV double circuit transmission line, approx. 3 km long, for looping In/Out of the existing Muzaffargarh – Gatti (Faisalabad West) 500 kV single circuit and 500 kV double circuit transmission line, approx. 25 km long, for looping In/Out of the existing Multan – Gatti (Faisalabad West) 500 kV single circuit at H.B. Shah power plant.

##### 7. Owner’s Engineer

National Power Parks Management Company (Private) Limited is supported by National Engineering Services Pakistan (Pvt.) Limited (NESPAK) as Consultants.

##### Annex-I: Location Map



1. This shall be provided by each Applicant / partner to a JV on a Rs. 100 stamp paper and shall be duly witnessed by two male adults in the form provided above. [↑](#footnote-ref-2)