



INDIAN STRATEGIC PETROLEUM RESERVES LIMITED

STRATEGIC STORAGE OF CRUDE OIL PROJECT
at

MANGALORE, KARNATAKA, INDIA

(INTERNATIONAL COMPETITIVE BIDDING)

(PQ BOOKLET NO.: 6936/PQ-024/08-09/RKS/02)

PRE-QUALIFICATION BOOKLET
FOR
CIVIL WORKS FOR UNDERGROUND ROCK CAVERNS

PREPARED AND ISSUED BY:

इंजीनियर्स
इंडिया लिमिटेड
(भारत सरकार का उपक्रम)



ENGINEERS
INDIA LIMITED
(A Govt. of India Undertaking)

COST OF PQ DOCUMENT

FOR INDIAN BIDDER : INR 20,000/-

FOR FOREIGN BIDDER : US \$ 475 OR INR 20,000/-

MASTER INDEX

NAME OF WORK: CIVIL WORKS FOR UNDERGROUND ROCK CAVERNS (PART-A) FOR STRATEGIC STORAGE OF CRUDE OIL PROJECT AT MANGALORE, KARNATAKA (INDIA) OF M/S ISPRL

PQ DOCUMENT NO. 6936/PQ-024/08-09/RKS/02

S.NO.	DESCRIPTION	NO. OF PAGES
1	MASTER INDEX	01
2	ISSUE LETTER OF PQ BOOKLET	01
3	INVITATION FOR PRE-QUALIFICATION INCLUDING ANNEXURE - I	07
4	INSTRUCTIONS FOR PQ BID SUBMISSION	10
5	EXHIBITS	16
6	CHECK LIST FOR PQ BID SUBMISSION	04

**ISSUE LETTER OF PQ BOOKLET/ DOCUMENT
FOR
CIVIL WORKS FOR UNDERGROUND ROCK CAVERNS (PART-A) FOR
STRATEGIC STORAGE OF CRUDE OIL PROJECT AT MANGALORE,
KARNATAKA (INDIA) OF M/S ISPRL**

PQ DOCUMENT NO. 6936/PQ-024/08-09/RKS/02

1.0 PQ Booklet/ Document in the form of "Compact Disc" (CD) (1 no.) is hereby issued to:

NAME OF BIDDER : _____

ADDRESS OF BIDDER : _____

2.0 The cost of the PQ Booklet i.e. US \$ 475/- (US Dollars Four Hundred Seventy Five only) or INR 20,000/- (Indian Rupees Twenty thousand only) for Foreign Bidder or INR 20,000/- (Indian Rupees Twenty thousand only) for Indian Bidder in the form of crossed Demand Draft in favour of Indian Strategic Petroleum Reserves Limited payable at New Delhi, is paid as below:

AGM (C&P)
ENGINEERS INDIA LIMITED



**INVITATION FOR PRE-QUALIFICATION OF BIDDERS
FOR CIVIL WORKS FOR UNDERGROUND ROCK CAVERNS
(PART-A) FOR STRATEGIC STORAGE OF CRUDE OIL PROJECT OF M/S ISPRL
AT MANGALORE IN THE STATE OF KARNATAKA, INDIA
(PQ DOCUMENT NO.: 6936/PQ- 024/08-09/RKS/02)**

(INTERNATIONAL COMPETITIVE BIDDING)

1.0 General:

M/s Indian Strategic Petroleum Reserves Limited (ISPRL), a wholly owned subsidiary of Oil Industry Development Board, Ministry of Petroleum & Natural Gas, Government of India proposes to construct underground-unlined rock cavern storage for imported crude oil at Mangalore in the state of Karnataka for approximately 2.0 MMT. M/s Engineers India Limited (EIL) is the Project Management Consultant for the above works.

The storage facility shall consist of two separate storage units for storage of two types of crude. The caverns shall have two or more legs in plan and shall have an approximate 'D' shaped cross-section with a horizontal roof level maintained throughout the cavern length. The product intake shall be located at the end of one leg and the pump installation located at the end of the other leg. At least one shaft shall be provided for each storage cavern.

The basic principle of storage in unlined rock caverns is the hydro-geological confinement. Thus, a water curtain system is provided consisting of galleries located above the crown of the cavern. Boreholes are drilled from the water curtain tunnel to intersect the joints of rock mass. A saturated rock mass and ground water flowing into caverns, ensures proper sealing of the stored product.

The total work is proposed to be carried out in two parts, Part-A and Part-B. Part-A, shall consist of civil works for underground rock caverns. Part-B shall consist of above ground facilities including all shaft and cavern equipment and mechanical works. The scheduled completion time for Part-A i.e. civil works for underground rock caverns is around 36 months.

The basic engineering for the underground works is under way to finalise the storage capacity, cavern layout, cross-sections, underground works and interface between Part-A and B, including finalization of construction schedule. Critical items related to the storage principle will be specified to a detailed level sufficient to ensure the functionality of the system by the Owner's engineer. These will include:

- i. Water curtain above the caverns
- ii. Concrete barriers in tunnels and Shafts (Plugs)
- iii. Shaft layout design
- iv. Pump pits in caverns
- v. Cavern floor
- vi. Test procedures to ensure tightness of concrete barriers and the complete tightness of the caverns.

Detailed engineering and design, preparation of working procedures and construction drawings for the underground works shall be carried out by the contractor.

The bidder will have to meet the requirements of ownership of minimum critical equipments at the time of submission of the final bid. Bidder will be required to identify source and location of these equipments and submit the required ownership details at the time of submission of final bid. A list of critical construction equipments to be owned by the bidder is given at Annexure-I for information.

2.0 Brief Scope of Work:

The scope of work for civil works for underground rock caverns for storage of crude oil (Part-A) comprises carrying out detailed engineering and design, preparation of working procedures and construction drawings, carrying out enabling and temporary works, supply of all materials, surveys, underground excavation for access tunnel, water curtain galleries including drilling of boreholes, main storage cavern, shafts and associated underground works using drilling and blasting technique, geological mapping, mucking, disposal of muck to identified dump sites, geotechnical and hydro-geological instrumentation, testing and monitoring, rock support, grouting, concrete works including plugs, pump pits and flooring, dewatering, water curtain testing, assistance during cavern tightness testing, coordinating with above ground contractor for installation of equipments in the shaft and cavern and removal of temporary works including mobilization and demobilization of all personnel, equipment as per job specifications, codes and drawings.

The underground works contractor (Part-A) shall interface with the above ground contractor (Part -B) for installation of equipments in the shafts and cavern and cavern tightness testing.

3.0 PRE-QUALIFICATION CRITERIA:

Bidder seeking pre-qualification shall meet the following minimum pre-qualification criteria:

3.1 TECHNICAL CRITERIA

3.1.1 IN CASE OF SINGLE BIDDER

3.1.1.1 The bidder shall possess experience of having successfully completed, either as a single bidder or as a leader of consortium:

At-least one project of underground mined rock caverns with at-least one cavern of minimum 300m^2 cross sectional area and a minimum volume of $50,000\text{m}^3$

And

At least one project with minimum total volume of underground rock excavation (caverns, tunnels, shafts, etc) of at least $250,000\text{m}^3$

OR

At-least one project of underground mined rock caverns with at least one cavern of minimum cross sectional area of 300 m^2 and a minimum volume of $50,000\text{ m}^3$ and total underground rock excavation (caverns, tunnels, shafts, etc.) of $300,000\text{ m}^3$

The above projects should have been completed during the last 10 (ten) years from the last date of submission of Pre-Qualification bid. The scope of work should include, detailed design and engineering (as per clause 3.1.1.2), underground rock excavation using conventional drilling and blasting techniques, concrete works, rock supports and grouting works.

Note 1: The individual qualifying projects executed by the bidders as a single bidder or as a leader of consortium or the combination thereof shall be acceptable.

Note 2: A bidder who meets the criteria indicated at 3.1.1.1 above as a leader of a consortium should have carried out project management in the relevant qualifying projects.

3.1.1.2 Bidder who satisfies the criteria given in clause 3.1.1.1 above, except for detailed engineering and design, shall also be considered subject to engaging an engineering sub-contractor for detailed engineering and design for the underground rock caverns and tunnels, as given under clause 3.1.1.1. The engineering sub-contractor should have carried out detailed engineering and design of an underground rock cavern and tunnels as per clause 3.1.1.1 during the last 10 (ten) years from the last date of submission of Pre-Qualification bid. The scope of work shall have included geological mapping and rock mass characterization, cavern stability analysis, design of rock support and concrete design.

Note: Bidders may be allowed to submit a list of more than one sub-contractor for detailed engineering and design works at PQ stage, subject to a maximum of three sub-contractors. However, successful bidder shall have to choose one approved engineering subcontractor out of the sub-contractors proposed by him in the final bid. However joint ventures between engineering sub-contractors are not acceptable and each engineering sub-contractor shall individually meet the above criteria in 3.1.1.2.

3.1.2 IN CASE OF CONSORTIUM BID

3.1.2.1 The leader of the consortium shall meet the criteria indicated at clause 3.1.1.1

3.1.2.2 The division of scope of work among the consortium members shall be generally commensurate with their past experience. The leader of the consortium shall be solely responsible for the project management.

3.1.2.3 In case the consortium satisfies the criteria requirement given in clause 3.1.1.1 above, except for detailed engineering and design, the bid shall also be considered subject to engaging an engineering sub-contractor/ consortium partner who meets the requirements of clause 3.1.1.2.

3.1.2.4 Total number of consortium members, in a consortium, excluding leader of consortium, shall not exceed two.

3.2 FINANCIAL CRITERIA

3.2.1 IN CASE OF SINGLE BIDDER

3.2.1.1 Annual turnover of Bidder shall not be less than **INR 2375 Million for Indian Bidders or US \$ 57 Million for Foreign Bidders** as per audited financial results in any one of the three preceding financial years upto the due date for submission of PQ bids.

3.2.1.2 The Net worth of the bidder as per latest audited financial results shall be positive

3.2.2 IN CASE BIDDER IS A CONSORTIUM

3.2.2.1 At least one of the members of the Consortium shall meet the financial criteria stipulated at 3.2.1.1 above.

3.2.2.2 The Leader as well as all the other members of the consortium shall meet the financial Criteria stipulated at 3.2.1.2 above.

3.3 GENERAL CRITERIA IN CASE BIDDER IS CONSORTIUM

3.3.1 The Consortium leader and the distribution of work will be identified and set forth in the PQ bid and will not be permitted to be changed thereafter.

3.3.2 The selected leader of the Consortium shall be authorized to incur liabilities and receive instructions for and on behalf of any and all member(s) of the consortium.

3.3.3 All the members of the Consortium shall be liable jointly and severally for the performance of the contract and discharge of the contractor's obligations and liabilities under the contract.

3.4 GENERAL

3.4.1 ISPR/ EIL reserve the right to use in-house data for qualification of bidders.

3.4.2 The Bidder shall furnish documentary proof of fulfilling the Pre-Qualification Criteria mentioned in clause no.3.0 along with the PQ Bid. This documentation shall include but not be limited to the following:

a) Details pertaining to projects completed by single bidder/ leader of consortium/ consortium partner and/ or engineering sub-contractor for the pre-qualification:

- i. Name and description of the project
- ii. Type of contract
- iii. Contract Agreement/ relevant pages of contract
- iv. Scope of Work (as per Clause no.3.1.1.1/ 3.1.1.2 above)
- v. Engineering consultant
- vi. Size and volume of cavern and underground works(with supporting documents)
- vii. Scheduled and actual completion dates
- viii. List of key construction equipments deployed (nos. and capacity)
- ix. Value of award
- x. Completion certificates

b) Details of Bidder's organization, procedures and equipment:

- i. Safety Records
- ii. Health and safety, Environmental policy and system
- iii. Risk Management System

- iv. Equipments owned and proposed to be used for this project, including rock mass grouting, ground water management.
 - v. Copy of consortium agreement with clear division of responsibilities, if applicable
 - vi. Sub-contract agreement with the proposed agency, if some job is proposed to be subcontracted in terms of above BQC
 - vii. CVs of key personnel.
 - viii. Engineering capability (in-house or subcontract)
 - ix. Quality System
 - x. Financial Statements including audited Profit and Loss Account, Balance Sheets etc. for the three preceding financial years.
 - c) In case of foreign Bidder/ Foreign consortium member (s) all supporting documents, pertaining to qualification criteria submitted as evidence shall be certified true copies duly signed, dated and stamped by an official authorized for this purpose in Indian Embassy/ High Commission in Bidder's country.
- 4.0 Evaluation for Pre-Qualification bids shall be carried out as specified in Pre-Qualification Booklet.
- 5.0 Bidder/ consortium members submitting their PQ bid shall not be under liquidation, court receivership or similar proceeding.
- 6.0 Non-transferable Pre-qualification (PQ) Booklet can be purchased by the bidder from Cashier, Engineers India Limited, El Annexe, UG Floor, 1, Bhikaiji Cama Place, R.K. Puram, New Delhi-110066 (INDIA) on any working day (Monday to Friday except Holidays) between 1400 Hrs. to 1600 Hrs. from **05-06-2008 to 16-07-2008** on payment of non-refundable booklet cost of US \$ 475 (US Dollars Four Hundred Seventy Five only)/ INR 20,000/- (Indian Rupees Twenty Thousand only) for foreign Bidders and INR 20,000/- (Indian Rupees Twenty thousand only) for Indian Bidders through a crossed demand draft drawn in favour of Indian Strategic Petroleum Reserves Limited payable at New Delhi. Agencies are required to collect the PQ Booklet personally or through their authorized representatives. Request for sending the Booklet by post, courier or any other mode shall not be entertained. Authorized representatives of foreign agencies can purchase the PQ Booklet on payment in Indian Rupees or in Foreign currency (US \$) on or before submission of PQ Bids. PQ Booklet can also be down loaded from the web site of ISPRL (<http://www.isprlindia.com>) or EIL (<http://www.indianprocessplants.com>). Small scale units registered with NSIC and Central Govt. Public Sector Undertaking will be issued PQ Document free of cost. Agencies who have downloaded the PQ Booklet from the ISPRL/EIL web site are required to pay the Booklet cost by Demand Draft/Banker's cheque at the time of submission of their Pre-Qualification Bid (PQ Bid without the cost of PQ Booklet shall not be entertained).
- 7.0 Pre-Bid Meeting
- a) Time & Date : **1000 Hrs. (IST) on 30.06.2008.**
 - b) Venue : Indian Strategic Petroleum Reserves Ltd.,
424-425, World Trade Centre,
Babar Road, New Delhi-110 001

- 8.0 PQ Bids duly filled with all information and supporting documents shall be submitted in the office of the undersigned latest by **1200 Hrs. (IST) on 17-07-2008**. Bidders should ensure submission of complete information/ documentation in the first instance itself. Pre-qualification may be completed based on the details so furnished without seeking any subsequent additional information.
- 9.0 PQ Bids shall be opened on **17-07-2008 at 1400 hrs (IST)** in the presence of attending representative of bidders in EIL office at New Delhi
- 10.0 PQ Bids not received by the due date and time shall be rejected.
- 11.0 Issuance of PQ Booklet and/or submission of PQ Bids shall not be presumed as pre-qualification or entitle the agencies to participate in the main bidding process.
- 12.0 ISPRL/EIL will not be responsible for any costs or expenses incurred by the Bidder in connection with preparation or delivery of PQ Bids participating in discussions etc. including costs and expenses related with visits to the site.
- 13.0 ISPRL/ EIL shall allow purchase preference to Indian Central Government Public Sector Undertaking/ Enterprises as admissible under the existing policies of Government of India.
- 14.0 Telex/Telefax/ Telegraphic/E-mail PQ bids shall not be accepted. ISPRL/EIL takes no responsibility for delay, loss or non-receipt of PQ bid sent by post/Courier.
- 15.0 ISPRL/EIL reserves the right to reject any or all PQ Bids at their sole discretion without assigning any reason whatsoever.
- 16.0 Canvassing in any form by the Bidder or by any other Bidder on their behalf may lead to disqualification of their PQ Bid.
- 17.0 Contact Details are as follows:
Telefax No. : 91-11-26191714/26167664
Telephone No. : 91-11-26102121
E-Mail : rk.sabharwal@eil.co.in

ASST. GENERAL MANAGER (C & P)
ENGINEERS INDIA LTD., NEW DELHI

**Annexure-I to
Invitation for Pre-qualification**

LIST OF MINIMUM CRITICAL CONSTRUCTION EQUIPMENT

S.No.	Equipment Description and Capacity	Minimum Number Required to be owned
1	Hydraulic Drilling Jumbos, 2 boom(minimum)	4
2	Grouting Equipments (Pumps, High speed mixers, agitators)	2
3	Dump Trucks, 25T(minimum)	20
4	Shotcrete Robots, 20m ³	4
5	Loader, 6.5 m3 (minimum)	4

Notes:

- a. Equipment as per above list are necessarily to be OWNED by the BIDDER. BIDDER has to submit the proof of Ownership (Copy of Invoice Payment/ Insurance Cover/ Registration with Statutory Body) along with the final BID. Lease contract documents of major equipment are also acceptable. However these are to be supported with the ownership documents of the lessor. The lease should be valid for the complete schedule of the project.
- b. Equipment not OWNED but ordered for purchase, supported with a copy of Purchase Order duly accepted by the vendor shall also be considered as "OWNED", subject to its delivery period being within 3 months from the last date of submission of final bid.
- c. The equipment shall not be more than 5 years old from the last date of submission of the final bid and shall be in good working condition.
- d. Successful bidder may be allowed to deploy the critical construction equipment either equivalent to or better than the equipment proven as 'OWNED' by the bidder in the final bid, subject to meeting the deployment schedule of the particular equipment and without affecting the overall project completion schedule.
- e. The number of equipment given above does not form the total requirement of critical equipment envisaged for construction.

INSTRUCTIONS FOR PRE-QUALIFICATION BID SUBMISSION

**STRATEGIC STORAGE OF CRUDE OIL IN
UNDERGROUND ROCK CAVERNS AT MANGALORE
FOR
M/s INDIAN STRATEGIC PETROLEUM RESERVES LIMITED**

TABLE OF CONTENT

1.0	PROJECT DESCRIPTION.....	3
2.0	DEFINITIONS.....	4
3.0	SCOPE OF WORK	4
4.0	SCOPE OF SUPPLY	5
5.0	TERMS AND CONDITIONS.....	5
6.0	PREPARATION / SUBMISSION OF PQ BIDS.....	6
7.0	PQ BID EVALUATION CRITERIA	9
8.0	ESSENTIAL REQUIREMENTS.....	10
9.0	TENTATIVE COMPLETION SCHEDULE.....	10

1.0 PROJECT DESCRIPTION

Indian Strategic Petroleum Reserves Limited (ISPRL), proposes to construct underground unlined rock cavern storage for imported crude oil at Mangalore (India) for 2.0 MMT. ISPRL has appointed Engineers India Limited as the Project Management Consultant for this Project.

The proposed site is located on a hill namely Kalvar Padavu to the east of the MRPL refinery area, and is approximately 12 km west of Mangalore Airport and 8 Km east of National highway 17. The Mangalore city is about 15 km from the site. The approximate position is North 12° 59' and East 72° 52'. The hill is striking E-W with length approximately 1.5 km, width 0.9 km and the highest elevation level being 83 m above sea level.

The principle of storage of oil in underground rock caverns essentially employs ground water pressure for containing the oil within an unlined rock cavern. It is an established system successfully followed in many countries. Based on the geological, geo-technical and geo-hydrological investigations, it has been established that rock formations at Mangalore site, in conjunction with ground water conditions are suitable for construction of caverns.

The storage facility shall consist of two separate storage units with a total storage capacity of approximately 2.0 MMT. The caverns shall have two or more legs in plan with an approximate 'D' shaped cross-section with a horizontal roof level maintained throughout the cavern length. The product intake shall be located at the end of one leg and the pump installation located at the end of the other leg. At least one shaft shall be provided for each storage cavern.

While the crude storage caverns are built underground by excavating hard rock (through conventional drilling and blasting method), its associated facilities e.g. heat exchangers, metering skids, boiler, flare, firewater storage and pumping station, control and personnel buildings, effluent treatment plant, outdoor electrical switch yard, compressed air system, stand by power generator, maintenance workshop, etc. shall be located above ground. The submersible pumps will be installed at the bottom of the caverns, to pump out the crude oil for use of refineries whenever required.

Execution of the project is proposed to be carried out in two parts, Part-A & Part-B.

Part-A - shall consist of civil works for underground rock caverns.

Part-B - shall consist of above ground facilities including all shaft and cavern equipment and mechanical works.

Engineers India Limited (EIL), New Delhi on behalf of ISPRL, invites bids for pre-qualification of bidders, for civil works for underground rock caverns for storage of crude oil (Part-A), from the technically and financially sound agencies, meeting the requirements as specified in the Pre-Qualification Criteria.

2.0 DEFINITIONS

- 2.1 'Owner' shall mean Indian Strategic Petroleum Reserves Limited (ISPRL)[a wholly owned subsidiary of Oil Industry Development Board, Ministry of Petroleum & Natural Gas, Government of India], a company incorporated in India and having its registered office at 301, World Trade Centre, Babar Road, New Delhi-110 001 and shall include its successors and assigns.
- 2.2 'Consultant' shall means Engineers India Ltd., a company incorporated in India and having its registered Office at El Bhawan, 1, Bhikaiji Cama Place, New Delhi – 110 066 (India) and shall include its successors and assigns.
- 2.3 'Bidder' shall mean the agency that has submitted the PQ Bid in response to PQ Booklet.
- 2.4 'Pre-qualified Bidder' shall mean the Bidder who has been pre-qualified by Owner for issue of the Bidding Document.
- 2.5 'PQ Bid' shall mean the bid submitted by Bidder(s) for pre-qualification, for issue of the Bidding Document for Civil Works for Underground Rock Caverns (Part-A) in response to this PQ Booklet.
- 2.6 'Bid' shall mean the bid submitted by the pre-qualified Bidder after issue of the Bidding Document.
- 2.7 'Bidding Document' shall mean the document issued to the pre-qualified Bidder for submission of their Bid.
- 2.8 'Technical Criteria' shall mean the experience of successfully completed jobs defined in Invitation for Pre-qualification Bid.
- 2.9 'Financial Criteria' shall mean the minimum annual turnover criteria and other requirement mentioned in the 'Invitation for Pre-qualification'. Financial criteria shall be applied in respect of bidding entity and not of the group where bidder is a part of group.

3.0 SCOPE OF WORK

The scope of work for civil works for underground rock caverns for storage of crude oil (Part-A) comprises carrying out detailed engineering and design, preparation of working procedures and construction drawings, carrying out enabling and temporary works, supply of all materials, surveys, underground excavation for access tunnel, water curtain galleries including drilling of boreholes, main storage cavern, shafts and associated underground works using drilling and blasting technique, geological mapping, mucking, disposal of muck to identified dump sites, geotechnical and hydro-geological instrumentation, testing and monitoring, rock support, grouting, concrete works including plugs, pump pits and flooring, dewatering, water curtain testing,

assistance during cavern tightness testing, coordinating with above ground contractor for installation of equipments in the shaft and cavern and removal of temporary works including mobilization and demobilization of all personnel, equipment as per job specifications, codes and drawings.

The underground works contractor (Part-A) shall interface with the above ground contractor (Part -B) for installation of equipments in the shafts and cavern and cavern tightness testing.

4.0 SCOPE OF SUPPLY

Supply of all the material required to execute the work is included in the scope of the bidder. The supplies shall be in conformance to the standards and specifications as per bidding document.

5.0 TERMS AND CONDITIONS

5.1 Cost of Bidding

The bidder shall bear all costs associated with the preparation and submission of its PQ Bid, participating in discussions etc. including costs and expenses related with visits to the site. ISPRL/EIL will in no case be responsible or liable for those costs and expenses regardless of the outcome of the Bidding process.

5.2 Language of PQ bids

The PQ bid and all correspondence incidental and related to bid shall be in English language. Any printed literature and document submitted in any other language should be accompanied by authenticated English translation, in which case, for purpose of interpretation of the PQ bid, English translation shall govern.

In the event of submission of any document/certificate by the bidder in a language other than English, the bidder shall submit the English translation of the same duly authenticated by local chamber of commerce in bidders' country. Responsibility for correctness in translation shall lie with the Bidder.

5.3 Cost of Main Bidding Document

Non-transferable Main Bidding Document shall be issued to pre-qualified bidder, free of cost/charge.

5.4 Bidder not to be a Sub-Contractor

A Bidder at the PQ stage shall not be allowed to be a sub-contractor to a bidder at the main bidding stage. However, this clause shall not apply to engineering sub-contractors.

5.5 Owner's Right

- 5.5.1 ISPRL/EIL reserve its right to call for clarifications/original of the supporting document for verification, as deemed fit and also to cross check for any details as furnished by the Bidder(s) from past-executed projects/clients/consultants etc. Bidder(s) shall have no objection whatsoever in this regard.

5.5.2 All the details/ documents submitted along with PQ Bid and which have been considered for pre-qualification shall remain valid.

5.5.3 In-house work experience shall not be considered as valid experience for the purpose of Pre -Qualification .

6.0 PREPARATION / SUBMISSION OF PQ BIDS

6.1 PQ Bid Requirements

6.1.1 Bidder is required to submit PQ Bid in the format as given in Exhibits enclosed separately in order to achieve the objective of maintaining uniform PQ Bid structure from all the Bidders. These requirements must be adhered to by all the Bidders.

6.1.2 The pre-qualification requirements are explicitly stated in this Booklet. Bidder is required to study these requirements in detail and make a PQ Bid as defined above completely meeting these requirements. The PQ Bid must be complete in all respect leaving no scope for ambiguity.

6.1.3 The PQ Bid shall be submitted with all details as per **checklist**.

6.2 Submission of PQ Bids

6.2.1 One complete set of PQ Document/ Booklet in "Compact Disc" (CD) shall be issued to the Bidders if purchased from EIL sale counter. Bidders are advised to submit PQ Bids strictly in accordance with requirement mentioned at clause 6.0 above. PQ Bid shall contain **one original and five copies** along with all necessary documents filed separately and shall be submitted at the following address latest by time and date mentioned in Invitation for Pre -qualification .

Receipt Section.

Engineers India Ltd.

EI Annexe, LG Floor

1, Bhikaiji Cama Place

NEW DELHI - 110066 (INDIA).

TELEPHONE NO. 0091-11-26102121

FAX NO.0091 -11-26191714/ 26167664

E-mail: r.k.sabharwal@eil.co.in

Attn : Mr. R.K Sabharwal, Asst. General Manager (C&P)

A copy of PQ Booklet, after taking print out from `CD' shall be signed and stamped on each page and returned back along with the PQ Bid as a token of acceptance.

6.2.2 Salient information to be submitted by Bidder(s) is mentioned here under.

6.3 Experience Details

Bidder shall furnish their Experience Details in line with Technical Criteria mentioned under Invitation for Pre-qualification Bid. The experience details of all such works, which Bidder considers are meeting Technical Criteria, shall be submitted as per Exhibits-1 & 2 (including details for each of the consortium members and Engineering Sub-Contractor, if any) . Copy of detailed work order/notification for award of work / contract document and

copy of proof of completion shall be substantiated / authenticated along with Experience Details as per Exhibit-1.

6.4 Financial Details

Bidder shall furnish the following:

- All information as per Exhibit-3.
- Audited balance sheets and Profit & Loss Account for the last three preceding years.

6.5 Present Commitments

Bidder shall furnish Details of Present Commitments as per Exhibits – 4.

6.6 Project Execution Plan

Bidder shall furnish proposed execution plan as per Exhibit-5. Bidder shall furnish briefly the proposed execution plan for the project. This shall cover the organizational setup indicating the split of works between consortium member (if any) and the engineering sub-consultants.

6.7 METHODOLOGY OF EXECUTION.

Bidder shall furnish their methodology of execution as per Exhibit -6 for

- a) Detailed Engineering Work
- Detail Engineering at Home Office
 - Field Engineering

Bidder shall furnish his methodology for detailed engineering for this project in brief.

- b) Construction and Execution
- Site Facilities
 - Extent of Mechanisation

Bidder shall maximize mechanisation of construction activities by deploying large scale construction equipments of required capacity for drilling, blasting, hauling, scaling, muck handling, disposal, grouting, rock support, etc.

- Sub-contracting philosophy

Bidder shall identify the works which are proposed to be sub-contracted along with the number of sub-contractors proposed to be engaged with their brief scope of work.

- c) Risk Management System

6.8 Organisational Charts

Bidder shall furnish proposed Organisation charts as per Exhibit-7 with the following details -

-
- ii) Organisation Chart - This shall include organisational set up proposed to be deployed for all phases of work including Home office support, Home office organization for carrying out the relevant work by the Home office, Project Management and Project Control team, Site Organization and Field Engineering set up. Key personnel shall have adequate experience in Project implementation of similar work.
 - iii) Organisation structure for carrying out the detailed Engineering work.
 - iv) Organisation chart to include procurement services including purchase, sub-contracting and contract administration, inspection, expediting, third party inspection, etc
 - v) Overall organisation chart to clearly indicate the split in scope of work among different consortium members/ Engineering Sub-contractor (if applicable) with interface among the various disciplines

6.9 Company's Organisation Details

6.10 Bidder shall specify whether the Company is Affiliate Company or Parent Company as per Exhibit-8.

6.9 Quality Assurance

- i. Please furnish the details of Quality Assurance System as per Exhibit-9:
- ii. Bidder to furnish international accreditation such as ISO, ASME, etc. along with copies of certificates.
- iii. Please furnish Organogram of QA/QC system of your organisation for all phases of work, such as, engineering, procurement & construction.

6.10 Health Safety And Environment

Bidder shall furnish the details of HSE as per Exhibit-10.

6.11 Litigation / Arbitration

Please give number and details of any litigation/arbitration proceedings, presently under process or undergone earlier with respect to the works executed by Bidder during last 5 years as per Exhibit-11 .

6.12 Qualification & Experience Of Technical Personnel

Bidder shall furnish details of technical personnel in various fields having experience in similar projects as per exhibit-12.

6.13 Major Construction Equipments Owned and proposed By The Bidder

Bidder shall furnish details of major construction equipments owned and proposed by him, as per exhibit-13.

6.14 Consortium Agreement, Power of Attorney in case of a Consortium Bid

Bidder shall submit Consortium Agreement, in case of a consortium Bid. The consortium member(s) shall also submit power of attorney in favour of Bid signatory.

7.0 PQ BID EVALUATION CRITERIA

7.1 Bidder seeking pre-qualification shall meet the Minimum Pre-qualification Criteria stated under Invitation for Pre-qualification Bid.

7.2 While evaluating the Bidder's conformity with Experience Criteria, the following consideration shall be applied:

- (i) Only such works shall be taken into consideration, the details of which have been submitted by the Bidder as per Exhibit-1 along with copy of work order/notification for award and copy of proof of completion and all supportive documents to fulfill the pre-qualification criteria indicated in Invitation for Pre -qualification.
- (ii) Copy of work order/notification for award of work is a mandatory document, which establishes that the Bidder has been awarded a work, which is claimed to be meeting the Experience Criteria.
- (iii) Submission of adequate proof of completion is a mandatory requirement, which establishes that the work under reference has been completed and handed over to the Owner.
- (iv) In case Bidder does not meet the requirements Technical criteria w.r.t. engineering as provided in Invitation for Pre-qualification, Bidder shall submit the details of Services of qualified Engineering Agency who meets the criteria as per of Invitation for Pre-qualification.
- (v) In case these mandatory documents are not enclosed with Exhibit-1, such works shall not be considered in evaluation for meeting the Experience Criteria.

7.3 ISPRL/ EIL will examine the PQ Bids for completeness and authenticity including whether the documents have been signed, whether they are complete and whether the details furnished are generally in order.

7.4 ISPRL/EIL reserve the right not to seek any additional information/clarification on documents submitted in support of Pre-qualification requirements, and evaluate the PQ Bids on "As Received Basis".

7.5 Bidder is required to meet the Financial Criteria as mentioned under Invitation for Pre -qualification of Bidders.

7.6 While considering the Experience, contract values indicated in foreign currencies other than US \$ shall be converted to US \$ at the exchange rate indicated in the contract and if not indicated, then authenticated exchange rates applicable on the date of award of work shall be considered for conversion. However, the Bidder shall submit the authenticated document for exchange rate. For annual turnover, exchange rate as indicated in the

annual report shall be considered and if not indicated in the annual report, then exchange rate as applicable on last date of the respective accounting year shall be considered. Agency shall indicate the authenticated exchange rate(s) obtained from bank in their PQ Bid, as applicable.

7.7 Bidder intending to participate shall meet the pre-qualification criteria stated in 'Invitation for Pre-qualification'. Bidders who meet the Experience Criteria and Financial Criteria as mentioned in 'Invitation for Pre-qualification', and also meet/comply the requirements specified under various clauses of this Pre-qualification Booklet shall be pre-qualified.

7.8 ISPRL'S RIGHT TO ACCEPT ANY PQ BID AND REJECT ANY OR ALL PQ BIDS.

7.9 ISPRL/EIL reserves the right to accept or reject any PQ Bid and to annul the Bidding process and reject all PQ Bids at any time without thereby incurring any liability to the affected Bidder(s) or any obligation to inform the affected Bidder(s) of the grounds for the Owner's action.

7.10 **Contacting The Owner / EIL**

No Bidder shall contact ISPRL/EIL on any matter relating to its PQ Bid from the time of submission of PQ Bid, unless requested so in writing. Any effort by a Bidder to influence the OWNER/EIL in the Owner's decisions in respect of PQ Bid evaluation will result in the rejection of that Bidder's PQ Bid.

8.0 ESSENTIAL REQUIREMENTS

8.1 Bidder to note that as a minimum, the following activities shall have to be performed by successful Bidder directly and shall not be sub-contracted:

- a) Overall Project Management
- b) Planning, Scheduling, Monitoring.
- c) Procurement Services including procurement.
- d) Quality Control
- e) Construction Management
- f) Cavern Testing Assistance
- g) All statutory obligations required during construction/execution of project as per contract.

All sub-contractors proposed to be deployed shall be subject to approval by ISPRL/EIL.

9.0 TENTATIVE COMPLETION SCHEDULE

Tentative completion schedule for this work is **36 months**.

EXHIBITS

SEPCIFIC EXPERIENCE DETAILS FOR BIDDER'S QUALIFICATION

Qualification details for - Single Bidder / Leader of Consortium / Consortium Partner / Engineering Sub-contractor

Bidder shall furnish their specific experience details with reference to the work, which pre-qualify them in line with the Technical Criteria mentioned in Invitation for Pre-Qualification. All the data furnished should be supported with relevant documents.

Name of Company :
Name of Project :
Location :
Client :
Type of Contract :
Value of Contract (US\$/Rs) :
Start Date :
Scheduled Completion Date :
Actual Completion Date :
Scope of Work of Company :

Description of Project :

Cross Sectional Area of Cavern (m²) :
Volume of Cavern (m³) :
Total Volume of Underground Rock Excavation (m³) :

Contd.

Name of Detailed Engineering Consultant/ Contractor :

Scope of Work of Engineering Consultant/ Contractor :

Relevant pages of contract agreement :

Completion certificates :

List of key construction equipments deployed (no and capacity):

Copy of consortium agreement (if the above work was executed as

Leader of Consortium) :

Note:

- 1) Separate forms shall be filled up for each qualifying project.
- 2) In case of Consortium bid, please enclose copy of Consortium Agreement with clear division of responsibilities
- 3) In case Engineering Sub-contractor is proposed to be engaged in terms of BQC, please enclose copy of sub-contractor agreement with the proposed agency.

EXHIBIT-2

SUB: EXHIBIT FOR EXPERIENCE OF LAST 10 YEARS

NAME OF THE AGENCY :

Sl. No.	DESCRIPTION OF WORK (This shall also include the size and volume of the cavern along with the total volume of underground rock excavation works)	SCOPE (Pm, E, P, Ps, C, Cs, Co)	INDIVIDUAL/ CONSORTIUM	FULL CONTACT DETAILS OF CLIENT INCLUDING PHONE / FAX / E-MAIL	CONTRACT VALUE IN _____ (NAME OF CURRENCY)	START DATE	SCHEDULED COMPLETION DATE	ACTUAL COMPLETION DATE	REASONS FOR DELAY, IF, ANY
EXHIBIT-2 FOR PAST EXPERIENCE :									

Pm: Project Management; E: Engineering; P: Procurement; Ps: Procurement Services; C: Construction; Cs: Construction Supervision; Co: Commissioning

SUBJECT: FINANCIAL DETAILS

A. AUDITED ANNUAL TURNOVER REPORTS FOR LAST 3 YEARS

A.1	COMPANY	GROSS TURNOVER (US \$/ INR)	NE T PROFIT AFTER TAX (US \$/INR)	NET WORTH * (US \$/INR)
	(i)	Financial Years.....to		
		or Year ending		
	(ii)	Financial Years.....to		
		or Year ending		
	(iii)	Financial Years.....to		
		or Year ending		

A.2	PARENT COMPANY GROUP (Consolidated Group Companies) (In case of applicability)	GROSS TURNOVER (US \$/ INR)	NE T PROFIT AFTER TAX (US \$/INR)	NET WORTH * (US \$/INR)
	(i)	Financial Years.....to		
		or Year ending		
	(ii)	Financial Years.....to		
		or Year ending		
	(iii)	Financial Years.....to		
		or Year ending		

NET WORTH = CAPITAL PLUS RESERVE – ACCUMULATED LOSS

B. PROJECTED ANNUAL TURNOVER

B.1 CURRENT ACCOUNTING YEAR

- COMPANY US \$ _____

B.2 NEXT ACCOUNT YEAR

- COMPANY US \$ _____

C. MAIN BANKERS - NAME _____
ADDRESS _____
PHONE/FAX _____

D. CREDIT FACILITIES AVAILABLE WITH COMPANY _____
(Banker's letter may be enclosed)

E. ENCLOSE AUDITED REPORT OF PROFIT & LOSS STATEMENT FOR THE PRECEDING
THREE ACCOUNTING YEARS.

F. ENCLOSE RECENT SOLVENCY CERTIFICATE FROM BANKER

G. DEBT EQUITY RATIO

(i) Year to :

(ii) Year to :

(iii) Yearto :

H. ENCLOSE LETTER FROM YOUR BANKER/SELF THAT THE
AGENCY IS NOT UNDER LIQUIDATION, COURT RECEIVERSHIP
OR SIMILAR PROCEEDINGS

SUB: EXHIBIT FOR PRESENT COMMITMENTS

SL. NO	FULL POSTAL ADDRESS OF CLIENT & NAME OF OFFICER-IN-CHARGE	DESCRIPTION OF WORK CONTRACT VALUE (INR/CURRENCY OF QUOTE)	CONTRACT VALUE (INR/CURRENCY OF QUOTE)	STARTING DATE	SCHEDULED COMPLETION DATE	%AGE COMPLETION AS ON DATE	EXPECTED COMPLETION DATE	REMARKS

EXHIBIT - "4" FOR PRESENT COMMITMENTS

PAGE NO.

SUBJECT: PROJECT EXECUTION PLAN

Bidder shall furnish briefly the proposed execution plan for the project. This shall cover the organizational setup indicating the split of works between consortium member (if any) and the engineering sub-consultants.

Notes:

1. In case of consortium bid, please enclose copy of consortium agreement with clear division of responsibilities.
2. In case, engineering sub-contractor is proposed to be engaged in terms of BQC, please enclose copy of agreement with the proposed agency. (Bidders may be allowed to submit more than one sub-contractor for detailed engineering and design works at PQ stage. However, successful bidder shall have to choose one approved engineering subcontractor out of the sub-contractors proposed by him in the final bid).

SUBJECT: METHODOLOGY OF EXECUTION

In this Exhibit, Bidder shall detail out **Methodology of Execution** of work for the following:

1. Methodology of execution of detailed engineering
2. Methodology of Construction Execution
3. Risk Management System

SUB : ORGANISATION CHARTS

In this Exhibit, Bidder shall furnish the proposed Organisation Charts for the following:

1. Overall Organization
2. Home Office Activities
3. Field Office Activities

Note – The Organization Charts should clearly indicate the split of Works between Consortium Members (including detailed engineering sub-contractor, if any)

SUBJECT: COMPANY'S ORGANISATION DETAILS

In this Exhibit, Bidder shall detail out Company's Organisation Details detailing out specifically.

1. Whether the Company is :

- A - Public / Pvt. Limited Company
- B - Partnership
- C - Sole proprietor

2. Whether any change in Company's Ownership was there, during last 10 years, if yes then when:

- A - No Change
- B - Changes upto 2 times during last 10 years
- C - Changes more than 3 times during last 10 years

3. Whether the Company is

- A - Parent Company
- B - Affiliate Company

SUBJECT: QUALITY ASSURANCE DETAILS

In this Exhibit, Bidder shall submit their Quality Assurance/Quality Control program including the Quality Policy and International Accreditation Details, covering the following:

- (1) Following documents shall be furnished :
 - a) Index of QA/QC System
 - b) Sample Inspection and Test Plan and Quality Control formats for the following activities :
 - Drilling
 - Blasting
 - Shotcreting
 - Bolting
 - Grouting
- (2) Copy of Corporate Quality Policy
- (3) Copy of International Accreditation, if any.

SUBJECT: HEALTH AND SAFETY

1. In this Exhibit, Bidder shall submit the following:
 - a) Copy of Corporate HSE Policy
 - b) Index of HSE System/Procedure
 - c) Various procedures including the following:
 - Procedures for accident reporting, logging, follow up actions and investigations.
 - Proposed HSE Procedure for implementation at the site during execution work of underground rock cavern storage.
2. Safety awards during last 10 years
3. Safety records for the last three years
 - Frequency Rate
 - Severity Rate

Note: 1) Frequency Rate= $\frac{\text{No. of Loss time Accidents}}{\text{Total Manhours worked}} \times 10^6$

2) Severity Rate = $\frac{\text{No. of Man Days lost Due to Accidents}}{\text{Manhours worked}} \times 10^6$

SUBJECT: LITIGATION/ARBITRATION DETAILS

In this Exhibit, Bidder shall furnish details of litigation/arbitration cases of the Bidder during the last 5 years.

SUBJECT: QUALIFICATION AND EXPERIENCE OF KEY TECHNICAL PERSONNEL

In this Exhibit, Bidder shall furnish qualification and experience details of its key personnel especially for the following areas:

1. Project Manager
2. Tunnel Design Engineer
3. Geologist
4. Hydro-geologist
5. Underground Construction Manager
6. QA/QC Manager
7. HSE Manager
8. Planning and Scheduling Engineer

The details shall be submitted in the following format:

Name of Staff :
Proposed Position :
Name of the firm (presently employed with) :
Date of Birth :
Nationality :
Years with present firm :
Total Experience in years :
Membership in Professional Societies :

Educational Qualification

(Summarize college/University and other specialized education of staff member, giving names of Schools, dates attended and degrees obtained.)

Experience in similar works (Underground Rock Caverns)

(List experience on all similar projects including the position and responsibility of staff member, organization, project name, location, client, period of assignment, type and description of the project.)

Experience

(Starting with present position, list in reverse order every employment held. List all positions held by staff member since graduation, giving dates, name of employing organizations, titles of positions held, responsibility and location of assignments.)

Note: The proposed key personnel for various disciplines should have minimum 15 years of work experience with at least one project of similar works.

SUBJECT: MAJOR CONSTRUCTION EQUIPMENTS OWNED AND PROPOSED TO BE USED

In this Exhibit, Bidder shall furnish list of construction equipments owned and proposed to be used for this job, including but not limited to the following:

S.NO.	EQUIPMENT DESCRIPTION	CAPACITY	NUMBERS	
			OWNED	PROPOSED TO BE USED FOR THIS JOB
1	Hydraulic Drilling Jumbos including number of booms			
2	Grouting Equipments			
3	High Capacity Dump Trucks			
4	Shotcrete Robots			
5	Rock Bolter			
6	Loaders			
7	Concrete Batching Plant			
8	Dewatering Pumps			
9	Compressors			
10	Core Drilling Rigs – Vertical - Horizontal			

CONSORTIUM AGREEMENT

This Consortium Agreement executed on this..... Day of..... between M/s....., a company incorporated under the law of ---- and having its registered/ principal office at..... (herein after called the `Partner-I'/ `Lead Partner' which expression shall include its successors, executors and permitted assigns) and M/s....., a company incorporated under the laws of ----- and having its registered/ principal office at (herein after called the `Partner – II'/ `Second Partner' which expression shall include its successors, executors and permitted assigns), for the purposes of making a bid and entering into a contract (in case of award) in response to bid document no..... for the work of (name of project) of M/s..... (herein after called the `Owner').

WHEREAS, the Owner invited bids vide its bid document no. for the work of

AND WHEREAS as per tender documents, Consortium entities will also be considered by the Owner provided they meet the specific requirements in that regard. As a pre condition of bidding documents, the Consortium bidder shall provide in its bid a Consortium Agreement in an acceptable format in which the partners to the Consortium are jointly and severally liable to the Owner to bind themselves to the bid conditions accept the contract award, if selected and perform all the contractual obligations thereto.

AND WHEREAS the bid is being submitted to the Owner vide our proposal dated based on the Consortium Agreement being these presents and the bid with its bid forms and submission documents, in accordance with the requirement of tender

conditions and requirements have been signed by both the partners and submitted to the Owner.

NOW THIS INDENTURE WITNESSETH AS UNDER:

In consideration of the above premises and agreements both the partners to this Consortium do hereby now agree as follows:

1. We the partners in the Consortium hereby confirm that the name and style of the Consortium shall be..... Consortium.
2. In consideration of the bid submission by us to the Owner and the award of contract by the Owner to the Consortium (if selected by the Owner), we the partners to the Consortium, hereby agree that the Partner – I (M/s.....) shall act as the lead partner for self, and for and on behalf of Partner – li and further declare and confirm that we shall jointly and severally be bound unto the Owner for execution of the contract in accordance with the contract terms and shall jointly and severally be liable to the Owner to perform all contractual obligations including technical guarantees. Further, the Lead Partner is authorized to incur liabilities and receive instructions for and on behalf of any or both partners of the CONSORTIUM and the entire execution of the Contract including receiving/ making payments, shall be done exclusively by the Lead Partner.
3. In case of any breach of the said Contract by any of the partners of the CONSORTIUM, we hereby agree to be fully responsible for the successful execution/ performance of the Contract in accordance with the terms of the Contract.
4. Further, if the Owner suffered any loss or damage on account of any breach of the Contract or any shortfall in the completed equipment/ plant, meeting the guaranteed performance parameters as per the technical specifications/ contract documents, the Second Partner of these presents undertakes to promptly make good such loss or damage caused to the Owner, on the Owner's demand without any demure. It shall neither be necessary nor obligatory on the part of the Owner to proceed against the Lead Partner to these presents before proceeding against the Second Partner.
5. The financial liability of the partners to this Consortium Agreement, to the Owner with respect to the any or all claims arising out of the performance or non-performance of the Contract shall, however be not limited in any way so as to restrict or limit the liabilities of either of the partner.
6. It is expressly understood and agreed between the partners to this agreement that the responsibilities and obligations of each of the partners shall be as delineated in `Appendix I' to this agreement. It is further agreed by the partners that the above sharing of responsibilities and obligations shall not in any way be a limitation of the joint and several responsibilities of the partners under the Contract.

7. This Consortium Agreement shall be governed, construed and interpreted in accordance with Laws of India courts of shall have exclusive jurisdiction in all matters arising thereunder.
8. In case of award of contract, we the partners to this Consortium Agreement do hereby agree that we shall furnish the contract performance guarantee in favour of the Owner from a bank acceptable/ approved by the Owner for a value as stipulated in the Contract Award and such guarantee shall be in the names of both the partners of the Consortium.
9. It is further agreed that this CONSORTIUM Agreement shall be irrevocable and shall form an integral part of the Contract and shall continue to be enforceable till the Owner discharges the same. It shall be effective date first above mentioned for all purposes and intents.

IN WITNESS WHEREOF, the partners to this Consortium agreement have, through their respective authorized representatives, have executed these presents and affixed their hands and common seal of their respective companies on the day, month and year first abovementioned.

For M/s.
(.....Partner-I)

1. Common Seal of
M/S.
has been affixed in my/ our presence
pursuant to Board Resolution dated
.....
Signature.....

.....
(Signature of authorised Representative)

Name :

Designation:

Designation

For M/s.
(.....Partner – II)

1. Common Seal of
M/S.
has been affixed in my/ our presence
pursuant to Board Resolution dated
.....
Signature.....

.....
(Signature of authorised Representative)

Name :

Designation:

Designation

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CHECK LIST FOR PQ BID SUBMISSION



ENGINEERS INDIA LIMITED
NEW DELHI

6936-02 pq ch lst

**PREQUALIFICATION
CHECKLIST**

DOCUMENT NO.

6936-PQ-CL-02

Page 1 of 5

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SUBJECT: CHECK LIST FOR PQ BID SUBMISSION

Bidder is requested to fill this Check List and ensure that all details/ documents as mentioned in the Prequalification Booklet/ Document is submitted alongwith their PQ Bid. Please tick the box and ensure compliance and specify the Page no. of PQ Bid submitted.

A. UNDER SECTION-1

A.1 Letter of submission

Submitted

Page No.____

A.2 Check List

This check list duly filled in and stamped,

Submitted

Page No.____

A.3 Power of Attorney in favour of signatory of PQ Bid.

Submitted

Page No.____

A.4 Consortium Agreement including power of attorney in favour of signatory of PQ Bid, in case of a Consortium Bid.

Submitted

Page No.____

B. UNDER SECTION-2

B.1 Specific Experience Details as per Exhibit-1 along with copy of work order/ award of work, copy of Proof of completion and that the plant is in operation or PG test run has been conducted.

Submitted

Page No.____

*Copy of consortium agreement (if the above work was executed as Leader of Consortium) is enclosed.

B.2 Specify name of projects for which Experience Details as per Sl.no.B.1 has been submitted :



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B.3 Past Experience, General, as per Exhibit-2

Submitted

Page No _____

B.4 Experience, General, as per Exhibit-2

Submitted

Page No _____

B.4 Financial Details as per Exhibit-3

Submitted

Page No _____

B.5 Present Commitments as per Exhibit-4

Submitted

Page No _____

B.6 Audited Balance sheet including Profit and Loss account for the Last three years

Submitted

Submitted for the years

1.-----

2.-----

3.-----

B.7 Fresh solvency certificate Issued by the Banker

Submitted

Page No _____

B.8 Any other document, Furnish details

Submitted

Page No _____

B.9 Confirmation regarding not under Liquidation , court receivership or similar proceeding

YES/ NO Page No _____



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**PREQUALIFICATION
CHECKLIST**

DOCUMENT NO.

6936-PQ-CL-02

Page 3 of 5

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C. UNDER SECTION-3

C.1 Project Execution Plan, submitted Comprising of the following

C.1.1 Project execution Plan as per Exhibit - 5

Page No.____

C.1.2 Methodology of Execution (Engineering and Construction) as per Exhibit -6

Page No.____

D. UNDER SECTION-4

D.1.1 Organization Chart as per Exhibit - 7

Page No.____

D.1.2 Company's Organisation Details as per Exhibit - 8

Page No.____

E. UNDER SECTION-5

E.1 Quality Assurance Details as per Exhibit-9

Submitted

Page No.____

F. UNDER SECTION-6

F.1 Health and Safety details as per Exhibit-10

Submitted

Page No.____

G. UNDER SECTION-7

G.1 Details regarding litigation/arbitration Proceedings as per Exhibit-11

Submitted

Page No.____



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**PREQUALIFICATION
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DOCUMENT NO.

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Page 4 of 5

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H. UNDER SECTION-8

H.1 Qualification and experience of Technical Personnel as per Exhibit-12

Submitted

Page No.____

I. UNDER SECTION-9

I.1 Details of major construction equipments Owned by the company as per Exhibit-13

Submitted

Page No.____

J. UNDER SECTION-10

J.1 One copy of PQ Booklet (Bidder shall take printout from 'CD' for PQ Document) duly signed and stamped on each page.

Submitted

Page No.____

(Signature of Bidder)



ENGINEERS INDIA LIMITED
NEW DELHI

6936-02 pq ch lst

**PREQUALIFICATION
CHECKLIST**

DOCUMENT NO.

6936-PQ-CL-02

Page 5 of 5