

**Bangladesh Petroleum Corporation  
BSC Bhaban, Saltgola Road, P.O. Box No. 2050  
Chattogram-4100, Bangladesh.**

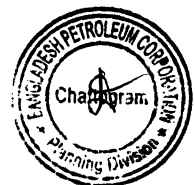
**EXPRESSION OF INTEREST (EOI) FOR SELECTION OF  
CONSULTING FIRM FOR CONDUCTING TECHNO ECONOMIC  
FEASIBILITY STUDY AND ENGINEERING SERVICES FOR  
SETTING UP LPG TERMINAL AT MATARBARI, MOHESKHALI,  
COX'S BAZAR, BANGLADESH.**

**August, 2022**



## TABLE OF CONTENTS

	<u>Page</u>
1. Section-A : Notice inviting EOI	3-5
2. Section-B : Instructions to the Applicants	6-11
3. Section-A : Formats of Application	12-15



## Section-A

### Notice Inviting EOI



## **Bangladesh Petroleum Corporation**

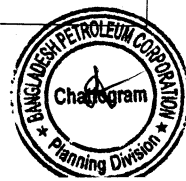
BSC Bhaban, Saltgola Road, Chattogram

### **EXPRESSION OF INTEREST (EOI) FOR SELECTION OF CONSULTING FIRM FOR CONDUCTING TECHNO ECONOMIC FEASIBILITY STUDY AND ENGINEERING SERVICES FOR SETTING UP LPG TERMINAL AT MATARBARI, MOHESKHALI, COX'S BAZAR, BANGLADESH.**

1.	Division/Ministry	Energy and Mineral Resources Division, Ministry of Power, Energy and Mineral Resources.
2.	Agency	Bangladesh Petroleum Corporation
3.	Name of Procuring Entity	Bangladesh Petroleum Corporation
4.	Title of Service	Techno Economic Feasibility Study and Engineering Services for setting up LPG Terminal at Matarbari, Moheskhali, Cox's Bazar, Bangladesh.
5.	Procuring Entity District	Chattogram, Bangladesh
6.	Expression of Interest for	Selection of consulting firm for conducting Techno Economic Feasibility Study and Engineering Services for setting up LPG Terminal at Matarbari, Moheskhali, Cox's Bazar, Bangladesh.
7.	EOI Ref. No.	28.03.0000.055.04.002.22/LPG/EOI/01
8.	Date	14/08/2022
9.	Procurement Method	Quality & Cost Based Selection (QCBS) Method.
10.	Budget and Source of Funds	BPC's own fund
11.	Development Partner	N/A
12.	Project/Programme Code	N/A
13.	Project/Programme Name	N/A
14.	EOI Closing Date, Time and Place	Date: 14 September, 2022, Time: 14:00 hrs (BST) Place: Bangladesh Petroleum Corporation (BPC) BSC Bhaban, Saltgola road, Chattogram-4100
15.	Brief Description of the Assignment	Conducting comprehensive and conclusive techno-economic feasibility study and engineering services including necessary survey and investigations for setting up an LPG Terminal at Matarbari, Moheskhali, Cox's Bazar, Bangladesh.  The EOI application shall be submitted by interested applicants in accordance with the scope of services as described in the EOI document.
16.	Experience, Resources & Delivery Capacity Required	Consulting Firms will be shortlisted based on the following experience/qualification criteria to be assessed from the documentation submitted with the application subject to verification as necessary:  (a) Overall general experience of having been engaged in relevant field during last 10 (ten) years, preceding the date of submission of the EOI application, in providing consultancy services in oil and gas industry especially in LPG sector either a single entity or a joint venture (JV) partner.

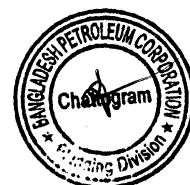


		<p>(b) Specific experience of having successfully completed within last 10 (ten) years, preceding the date of submission of the EOI applications, at least 01(one) experience of conducting techno-economic feasibility study and engineering services for LPG Refrigerated Terminal having minimum annual Handling Capacity of 1.0 Million Metric Ton per year, as either a single entity or a JV partner.</p> <p>(c) The firm must be technically and financially sound and it will provide list of skilled staffs especially in technical &amp; financial analyser, surveyor, data collector, field supervisor etc.</p> <p>(d) The firm shall have originated from an eligible source country (Countries having diplomatic relation with Bangladesh).</p> <p>(e) The qualification/experience of only the JV partners will be evaluated while the qualification/experience of the Sub-contractors or Sub-consultants or Associate firms will not be included in the evaluation process.</p> <p>(f) The applicant firm shall submit, as evidence of specific experience, concerned client's certificate stating satisfactory completion of the services including, as minimum, a brief and clear description of Consultant's services together with duration of services from commencement to completion.</p>
17.	Other Details	<p>Short list will be made upon receipt of EOIs and subsequent evaluation. Request For Proposal (RFP) documents will be sent to the short-listed companies. The company will be selected based on Quality and Cost Based Selection (QCBS) method in accordance with PPR 2008 of Bangladesh. The intending consulting firms are requested to collect the "EOI document" from the office of the General Manager (Planning &amp; Development), Bangladesh Petroleum Corporation (BPC), BSC Bhaban, Saltgola Road, Chattogram-4100, Bangladesh during office hours or download from BPC website: <a href="http://www.bpc.gov.bd">www.bpc.gov.bd</a> and CPTU website : <a href="http://www.cptu.gov.bd">www.cptu.gov.bd</a>.</p> <p>The Employer will respond to any written request for clarification, provided that such request is received no later than 10 (ten) days prior to the deadline for submission of EOI applications.</p>
18	Documents Comprising the Expression of Interest (EOI)	<p>Interested consulting firms from any country (Except Countries with whom Bangladesh has no diplomatic relation) having above mentioned qualification are requested to submit 03 (Three) copies of duly signed and sealed EOIs (One original &amp; two copy) through Courier/Postal service/In hand to the address mentioned below (at serial-22 of this notice ) together with the following documents:</p> <ol style="list-style-type: none"> <li>Letter of Application;</li> <li>Basic Data Sheet of the Consulting Firm;</li> <li>Key Professional Staff of the Consulting Firm to handle such assignment;</li> <li>General and Specific Experiences of the Consulting Firm of last 10(Ten) years;</li> </ol>



		<ul style="list-style-type: none"> <li>e) Documents of feasibility study carried out within 10(Ten) years and Annual Audited Reports of last 03 (Three) years.</li> <li>f) Certificate from the Employer/Authority that the company completed the work successfully.</li> <li>g) In case of joint venture(JV), an appropriate Declaration of Intent to work as a JV in the event of award of contract, signed by all JV partners mentioning the name of the lead partner and the name of the authorized signatory;</li> <li>h) Certificate of Incorporation;</li> <li>i) Trade license certificate / Business license;</li> <li>j) Organization chart showing professional strength;</li> <li>k) Colored brochure;</li> <li>l) List of sub-contractor and/or sub-consultant along with their detailed experiences in the relevant field; and</li> </ul>
19	Firms' Composition	<p>Interested consulting firms may either be a single firm or Joint Venture (JV) of more than one firms and Sub-contractor or Sub-consultant or Associate firms.</p> <p>In the case of a JV, all members of such JV should have real and well-defined inputs to the assignment and the number of firms in the JV shall be limited to a maximum of three (3), excluding Subcontractors, Sub-consultants and Associate Firms, if any.</p> <p>All JV partners shall be "Jointly and Severally" responsible for the assignment. An appropriate Declaration of intent in that regard and signed by all JV partners mentioning the name of the lead partner and the name of the authorized signatory shall be submitted with the EOI application.</p>
<b>PROCURING ENTITY DETAILS</b>		
20.	Name of the official inviting EOI	Engr. Md. Shafiqul Islam
21.	Designation of the official inviting EOI	General Manager (Planning & Development), BPC
22.	Address of the official inviting EOI	Bangladesh Petroleum Corporation, BSC Bhaban, Saltgola Road, Chattogram-4100.
23.	Contact details of the official inviting EOI	88-031-720645, +8801755587626, Fax : 88-031-720147, E-mail: <a href="mailto:bpcplanning@gmail.com">bpcplanning@gmail.com</a> , web: <a href="http://www.bpc.gov.bd">www.bpc.gov.bd</a>
<p>The procuring entity reserves the right to accept or reject any or all EOIs at any time or stage without assigning any reason whatever and no claim will be entertained in this regard. This EOI is available in the website mentioned above.</p>		

(Engr. Md. Shafiqul Islam)  
General Manager (P & D)  
E-mail : [bpcplanning@gmail.com](mailto:bpcplanning@gmail.com)



## Section-B

### INSTRUCTIONS TO THE APPLICANTS

#### 1.0 GENERAL

##### 1.1 Background:

Bangladesh is a developing country, which is going through a growth momentum. To sustain the growth, the country needs reliable and quality supply of energy at an affordable rate. At present, different types of fuel are being used for cooking purpose like wood, biomass, natural gas, kerosene etc. The traditional sources of energy such as biomass, wood and coal are not adequately reliable and have negative implications for the environment. Natural gas has been using as household cooking fuel in urban areas mainly in Dhaka and Chattogram, Compressed Natural Gas (CNG) for motorized vehicles and industrial purpose. Due to limited reserve of natural gas in the country, it is crucial for Bangladesh to go for fuel diversification strategies and find a clean and affordable energy mix. Bangladesh has already decided to use LPG as cooking fuel to replace fuel woods, pipeline natural gas, kerosene etc.

Government of Bangladesh is encouraging to use of LP Gas not only for cooking purpose, but also as Auto Gas for vehicles. As fuel of motorized vehicles, the use of liquefied petroleum gas (LPG) in Bangladesh is yet to attain popularity at the mass level, but the path to establish LPG as a major alternative fuel is already laid out. Government has already given permission to private entrepreneurs for setting up Auto Gas service station and conversion workshop for motorized vehicles. It will reduce the pressure of petroleum fuel and CNG in transportation sector.

LPG market in Bangladesh has been increasing hugely for the last couple of years and it will boost up further in the near future. The demand for LPG in Bangladesh is growing sharply. The current demand of LPG in the country is around 14 million MT. The growth in the local LPG industry has been driven by the increasing use of LPG in household, industry and real estate sectors. Semi-urban and rural households have already moved away from traditional fuels (wood/cow dung) and are rapidly adopting LPG. Due to dwindling reserve of natural gas local industries are gradually shifting towards LPG for uninterrupted gas supply. LPG also enables expansion of industries in the areas where there is no access or poor access to natural gas.

Bangladesh Petroleum Corporation (BPC) has started bottling and marketing LP Gas since forty years back (1978), sourcing gas from Eastern Refinery Limited. In Bangladesh, a very small quantity, approx. 20,000 MT per year, of LPG comes from domestic sources like Eastern Refinery Ltd and gas fields. Currently, there are 21 (Twenty One) LPG operators in Bangladesh. Major volume of LPG are sourced from abroad by the 21 (Twenty One) private operators. The imported quantity of LPG now is around 14 Million MT per year. In addition of existing operator, few other companies might start their commercial operation shortly.

Most of the LPG plants are situated at Mongla port area and few in Chattogram area. LPG operators face challenges to bring large size LPG cargoes to Bangladesh due to insufficient navigability for large LPG vessels. All the companies have been importing LPG through smaller vessels carrying 2000 MT to 3000 MT. Freight is much higher d



to smaller parcel size. Import of LPG through large gas carriers within range of 35,000 MT to 40,000 MT, will get benefit of freight and will be able to supply to local companies in bulk.

To set up an import based LPG Mother Terminal in public sector is highly required to meet the increasing demand and ensuring consumers' rights and privileges. In view of this, BPC has decided to establish a large LPG terminal in Moheskhali, Matarbari Area, Cox's Bazar. Annual operational capacity will be minimum 1.00 million metric tons. Bulk LPG will be sold to local companies from this terminal. It will have available facility for berthing of VLGC (Very Large Gas Carrier) having capacity of 40,000 MT. Bulk LPG will be sold to local companies through 1500 to 4000 metric ton pressurized vessels. The impact of the project will increase access to reliable supply of LPG at a reasonable price which will drive LPG operators in Bangladesh to improve their efficiencies in ensuring best value for money for the LPG customers. To accomplish the goal, BPC intends to appoint a consulting firm to conduct Techno-Economic Feasibility Study and Engineering Services including necessary survey and investigations for setting up LPG Terminal at Matarbari, Moheskhali, Cox's Bazar, Bangladesh.

## **1.2 Source of Fund:**

The consultancy job will be financed from BPC's own fund.

## **1.3 Eligibility Criteria for submission of EOI Application:**

Consulting Firms will be shortlisted based on the following experience/qualification criteria to be assessed from the documentation submitted with the application together with verification as necessary:

- (a) Overall general experience of having been engaged in relevant field during last 10 (ten) years, preceding the date of submission of the EOI application, in providing consultancy services in oil and gas industry especially in LPG sector, as either a single entity or a joint venture(JV) partner.
- (b) Specific experience of having successfully completed within last 10 (ten) years, preceding the date of submission of the EOI applications, at least 01(one) experience of conducting techno-economic feasibility study and engineering services for LPG Refrigerated Terminal having minimum annual Handling Capacity of 1.0 Million Metric Ton per year, as either a single entity or a JV partner.
- (c) The firm must be technically and financially sound and it will provide list of skilled staffs especially in technical & financial analyser, surveyor, data collector, field supervisor etc.
- (d) The firm shall have originated from an eligible source country (Countries having diplomatic relation with Bangladesh).
- (e) The qualification/experience of only the JV partners will be evaluated while the qualification/experience of the Sub-contractors or Sub-consultants or Associate firms will not be included in the evaluation process.
- (f) The applicant firm shall submit, as evidence of specific experience, concerned client's certificate stating satisfactory completion of the services including, as minimum, a brief and clear description of Consultant's services together with duration of services from commencement to completion.
- (g) Request for Proposal (RFP) documents will be issued to the shortlisted firms only.



#### **1.4 Submission of Applications for short-listing of Consulting Firms:**

The Consulting Firm shall sign and stamp the Original EOI Application at all pages and submit the same in hard copy along with two more copy documents in an envelope duly marking the envelope as "EOI APPLICATION FOR SHORT LISTING OF CONSULTING FIRMS" and addressed to the "General Manager (Planning & Development), Bangladesh Petroleum Corporation (BPC), BSC Bhaban, Saltgola Road, P.O. Box No. 2050, Chattogram-4100, Bangladesh " so as to reach his office within the submission deadline as specified in the EOI notice and bear the following identification:

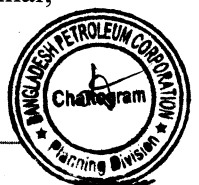
**TECHNO ECONOMIC FEASIBILITY STUDY AND ENGINEERING SERVICES FOR SETTING UP LPG TERMINAL AT MATARBARI, MOHESKHALI, COX'S BAZAR, BANGLADESH.**

#### **2.0 OBJECTIVES OF THE CONSULTING SERVICES**

The objective of the engagement of an international consulting firm under this invitation is to entrust such firm with the complete responsibility of conducting a comprehensive and conclusive Techno-Economic Feasibility Study and Engineering Services including necessary survey and investigations and specific recommendations for review and decision making by BPC leading to subsequent steps towards setting up LPG Terminal at Matarbari, Moheskhal, Cox's Bazar, Bangladesh.

#### **3.0 SCOPE OF THE CONSULTING SERVICES**

- 3.1 The services to be provided by the consulting firm will tentatively comprise the following major activities which will be more fully and clearly enumerated in the subsequent Request for Proposal (RFP) document to be issued by BPC to the short-listed firms after reviewing the observations of the interested applicant firms upon examination of the suggestions on detailed scope of services made by the applicant firms in their EOI applications:
- a. Review of existing LPG demand and supply situation, and future planning;
  - b. To carry out market survey to ascertain demand of LPG in Bangladesh for next 30 (Thirty) years or more.
  - c. Identification of suitable project sites considering the following:
    - ▶ Shipping arrangements and relative transport economics;
    - ▶ Study of Metocean, Bathymetry, Navigation and Geo-technical;
    - ▶ Study of Environmental Impact Assessment (EIA);
    - ▶ Availability of requisite port facilities;
    - ▶ Study of project site and infrastructure development.
  - d. Recommend technical specification and configuration of the LPG terminal with future provision of expansion;
  - e. Prepare estimate for LPG importation, LPG terminal construction, Jetty facilities, Storage tanks, LPG Terminal related other facilities and operation of the LPG terminal;
  - f. Recommend optimum LPG transportation vessel size and frequency to cater LPG demand in Bangladesh.
  - g. Submit a socio-economic and commercial feasibility study for LPG Terminal;
  - h. Prepare detailed procurement plan for setting up LPG terminal;





- i. Prepare bid document for selection of a developer for LPG terminal;
  - j. Assist BPC to select vendor and contract agreement process with the selected vendor;
  - k. Prepare a roadmap to implement the project;
  - l. Prepare commercial arrangements of the project (Ownership structure and financing options);
  - m. Prepare tender document for the LPG Terminal Engineering, Procurement Construction and Commissioning;
  - n. Prepare draft contractual documents to suit commercial arrangements;
  - o. Recommend further studies if required and;
  - p. Recommend planning on capacity building of EMRD and BPC group
  - q. Preparation and submission of the final report with recommendation of the most beneficial feasibility model for LPG Terminal.
  - r. The consultant shall provide all the assistance or reply the queries which may be required till the report is finally accepted by the BPC.
- 3.2 The applicant firms will submit in their EOI application the following for review of BPC and reflection in the RFP document:
- a) A list of survey, investigations and information needed for the Techno-Economic Feasibility Study and Engineering Services together with realistic time schedule for each study.
  - b) A field-wise list and person-months requirements of foreign and local experts for each field needed to accomplish the complete task of the Techno-Economic Feasibility Study and Engineering Services.
  - c) A proposal on detailed scope of services and an indicative methodology of work for the completion of the study.
- 3.3 The Consulting firm shall be responsible for carrying out all necessary surveys and investigations including acquisition of all data / information from relevant sources either by themselves or by engaging experienced sub-contractors for the same.
- 3.4 BPC, if requested in writing by the consultant, may assist the consultant in the discharge of its services by way of issuance of recommendation letters and liaison with relevant sources as would be needed from time to time and to the extent possible. All requisite clearances, fees, charges etc. and compliance with the local / international laws required for completion of the study shall be the responsibility of the consultant.

#### 4.0 **SUBMISSION OF EOI APPLICATIONS**

- 4.1 The applicant Consulting Firm shall submit its Application along with following documents:
- a) Letter of Application (Form A);
  - b) Basic Data Sheet of the Consulting Firm (Form B);
  - c) Key Professional Staff of the Consulting Firm to handle such assignment (Form C);
  - d) General and Specific Experiences of the Consulting Firm of last 10(Ten) years. (Form D);



- e) Documents of feasibility study carried out within 10(Ten) years and Annual Audited Reports of last 03 (Three) years.
- f) Certificate from the Employer/Authority that the company completed the work successfully.
- g) In case of joint venture(JV), an appropriate Declaration of Intent to work as a JV in the event of award of contract, signed by all JV partners mentioning the name of the lead partner and the name of the authorized signatory;
- h) Certificate of Incorporation;
- i) Trade license certificate / Business license;
- j) Organization chart showing professional strength;
- k) Colored brochure;
- l) List of sub-contractor and/or sub-consultant along with their detailed experiences in the relevant field; and
- m) Other documents as required in Section 3.2 of this EOI document.

4.2 All pages of the original EOI application shall be signed and sealed by the applicant firm. In case of JV, each partner shall sign and seal the respective documents and then the documents shall be countersigned by the authorized representative of the JV whose name and position should be clearly mentioned in the Declaration of Intent.

## 5.0 DURATION OF CONSULTANT'S SERVICES

The study is to be commenced immediately after signing of Contract and to be completed within 06 (six) months from the contract signing date excluding the concurrence/approval time to be needed by BPC in between stages of report submission as described in Section 6.0 below. The consultant's team is required to be mobilized immediately after the award of contract.

## 6.0 REPORTING REQUIREMENTS

The following reports are required to be prepared by the Consulting Firm and submitted to BPC:

- a) Inception Report is to be submitted within 30 (thirty) days from the date of signing of the contract;
- b) Interim report is to be submitted within 3 (three) months from the date of signing of the contract;
- c) Draft final report together with all survey and investigation reports is to be submitted within 5(five) months from the date of signing of the contract;
- d) Final report with conclusive analysis and recommendations covering all aspects of the study is to be submitted within 15(fifteen) days from the date of client's concurrence/approval on the draft final report;
- e) Additionally, monthly progress report is to be submitted during the periods of (a), (b) and (c) above;
- f) The consulting firm will be needed to make presentations of its reports to BPC at all the above stages as necessary;



- g) All reports and presentation copy are to be submitted in editable soft copy and 3 (three) hard copies.

## 7.0 **EXPERTISE REQUIREMENT**

A field-wise list and person-months requirements of foreign and local experts for each field needed to accomplish the complete task of the Techno-Economic Feasibility Study and Engineering Services shall be proposed by the applicant consulting firms in the EOI application. This would be reviewed by BPC and the specific requirements in this regard will be mentioned in the RFP document to be issued to short-listed firms at a later stage.

.....



## Section – C

### Formats of Applications

#### **Form A: Letter of Application**

General Manager (Planning & Development)  
Bangladesh Petroleum Corporation (BPC)  
BSC Bhaban, Saltgola road, P.O. Box No. 2050  
Chattogram-4100, Bangladesh.

Name of Work: Expressions of Interest (EOI) for conducting Techno Economic Feasibility Study and Engineering services for setting up LPG Terminal at Matarbari, Moheskhali, Cox's Bazar, Bangladesh.

Dear Sir,

Having examined the notice inviting applications for appointment of Consulting Firm for the subject services, we [Firm/JV name with address] hereby submit this EOI application along with the statements and related documents as required by the Employer/Procuring Entity.

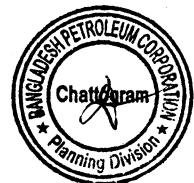
We understand that the decision and discretion applied by the Employer in evaluation of the applications and grading the applicants are absolute and can't be disputed by or appealed against by the applicant.

Yours sincerely,

[Signature of the authorized representative of Consulting Firm/ JV]

Name:  
Position:  
Address:

[STAMP]



## Form B: Basic Data Sheet of the Consulting Firm

(In case of JV, separate statement of each partner shall have to be submitted)

1. a) Name of the Consulting Firm :  
b) Name of the JV :
2. Address in full  
a) Head Office :  
b) Branch Regional Office(s) (if any) :
3. Telephone no. :
4. Fax No., E-mail/Web site etc. :
5. Date and place of incorporation/ registration  
of the Firm (proper documents to be enclosed):
6. Status and organizational structure of the Firm  
(Whether limited Co./ Partnership or  
Proprietorship) :
7. Organizational Chart of the Firm :
8. Valid Trade / business license  
(Copy to be furnished) :
9. Colored Brochure of the Firm :
10. Total permanent staff number of the Firm :
11. Years of Experience in the relevant field :

---

Signature of the authorized representative of  
Consulting Firm/ JV with date and seal



## **Form C: Key Professional Staff of the Consulting Firm**

(Experienced in Import based LPG terminal Project Feasibility Study, Design, Development and Operation)

(In case of JV, separate statement of each partner shall have to be submitted)

Sl. No.	Name and proposed position of the expert	Age	Educational Qualifications	Total years of experience in the overall Oil, & Gas industry	Total years of experience in LPG related consultancy services	Total years of service in the present firm	Description of Experiences
1	2	3	4	5	6	7	8

\_\_\_\_\_  
Signature of the authorized representative of  
Consulting Firm/ JV with date and seal

Notes:

1. Details of experiences under columns 5 & 6 to be clearly and separately described in Column 8 (use additional sheets, if required) which shall include the project name, role of the expert, duration of services etc.
2. Applicant firm is also requested to input information as per the above formats for all proposed experts as requested in Clause 3.2 (b) of the EOI document.



## **Form D: General and Specific Experiences of the Consulting Firm**

(In case of JV, separate statement of each partner shall have to be submitted)

### **Form D1: General Consultancy Experiences in the Oil & Gas industry**

Name of client with postal address, email, phone and fax	Project / Assignment Name	Brief and clear description of services rendered by the Consulting Firm	Start Date (Month/Year)	Completion Date (Month/Year)

### **Form D2: Specific Experiences in import based LPG Terminal Feasibility Study**

Name of client with postal address, email, phone and fax	Project / Assignment Name	Capacity (MTPA)	Brief and clear description of services rendered by the Consulting Firm	Start Date (Month/Year)	Completion Date (Month/Year)

\_\_\_\_\_  
Signature of the authorized representative of  
Consulting Firm/ JV with date and seal

Notes:

1. The above Forms should be filled out with information of relevant projects only and as many number of relevant project experiences as available may be included in the Forms without any limitation.
2. At least one specific experience mentioned in Form D2 above must be evidenced by the submission of concerned client's certificate stating satisfactory completion of the services including, as minimum, a brief and clear description of Consultant's services together with duration of services from commencement to completion.

