

12<sup>th</sup> September 2024

CONFIDENTIAL

Dear Sir/Madam,

**Invitation for 'Expression of Interest' for Provision of Manpower, Machinist and Tooling for Machining Works – Compressor, Turbine and Workshop Machining (International)**

Brunei LNG Sdn Bhd (BLNG) is seeking Expression of Interest (EOI) from companies for Provision of Manpower, Machinist and Tooling for Machining Works – Compressor, Turbine and Workshop Machining.

**Tender Scope:**

Refer to Appendix 1.

**Local Business Development (LBD)**

Brunei Shell Joint Venture (BSJV) Companies' LBD requirements are in line with the LBD Directives as issued by the Energy and Industry Department. This tender falls under the Highly Specialised quadrant of the LBD Framework.

- Eoi is open to **ALL** companies;
- The owners of the company must actively participate in its management and day to day running of the business;
- Target for recruitment and development of suitably qualified Bruneian staff, including graduates will be part of Tender / Contract;
- For International companies, forming joint venture or technical partnership with local Bruneian companies is highly preferred but not mandatory.

**Tender/Contract Schedule**

- Planned tender date: Q4 2024
- Contract Duration: 3 years + 2 years extension

**Registration of Vendor in SMART by GEP System**

- Kindly ensure that your company is already registered under Rotating Equipment by 30<sup>th</sup> September 2024.
- For non-BSJV registered vendor, please refer to: <https://www.bsp.com.bn/main/icv/doing-business-with-bsjv/getting-registered> for further information on how to register with BSJV.
- For details on Work Category and Product Group, please refer to: <https://www.bsp.com.bn/main/icv/doing-business-with-bsjv/local-business-development/products-and-services>.
- For existing BSJV vendors, please ensure that your company details are updated online in SMART by GEP.

- Acceptance of your company registration shall be in compliance with our registration checklist and criteria.

For any SMART registration-related queries, kindly email to: [BSP-SCM13-Vendor-Registration@BSP-shell.bn](mailto:BSP-SCM13-Vendor-Registration@BSP-shell.bn).

For any EOI related queries, kindly email: [nurul.aji@bruneilng.bn](mailto:nurul.aji@bruneilng.bn) with the subject header "EOI – Provision of Manpower, Machinist and Tooling for Machining Works – Compressor, Turbine and Workshop Machining – [COMPANY NAME]".

Kindly fill in the questionnaire attached herein (APPENDIX 2 and 3) and indicate your acceptance by submitting the questionnaire no later than **26<sup>th</sup> September 2024, 12:00PM (Brunei time)** via the EOI page in the [ICV Portal](#).

PLEASE BE REMINDED THAT ANY REPLY RECEIVED LATER THAN THE SPECIFIED DATE AND TIME MAY NOT BE ACCEPTED.

This Expression of Interest shall not be deemed to be an invitation to tender. Brunei LNG Sdn Bhd shall have the right and sole discretion to reject any part or all the response made by the VENDOR. Brunei LNG Sdn Bhd shall have the right and sole discretion to determine the bidders for this tender. This letter serves solely for the purpose of obtaining Expression of Interest and shall neither in any way be construed as to create any legal obligation on the parties responding to this advertisement nor mentioned herein. Expenses incurred in connection to this shall be borne in its entirety by the interested parties.

Yours faithfully,  
For BRUNEI LNG SENDIRIAN BERHAD

Cynthia Bungga  
Head of Contract Services

## APPENDIX 1: BACKGROUND AND TENDER SCOPE

Scope of work are divided into two (2) categories as follows:

- ❖ Scope A – Turbine and Compressor Machining Services
- ❖ Scope B – Workshop Machining Services

### ❖ SCOPE A – Turbine and Compressor Machining Services

Turbine and Compressor Preventive Maintenance are required to ensure the continuity of the LNG production for Brunei BLNG Sendirian Berhad, where Specialized and Precise machining services are required for the overhaul of both Turbine and Compressor.

Estimate number of personnel: 8 site machinist and 4 workshop machinists (4 and 2 per shift)

Duration: 30 - 50 days

### A.1 Scope for Turbines

Major overhaul of Turbine (MHI 9CL11 Steam Turbine)

- (i) Propane Turbine KT-3212
- (ii) MCR1 Turbine KT-3221
- (iii) MCR2 Turbine KT-3231

#### A.1.1 10th and 11th Stage Diaphragm Replacement

- Install new SS ring liner onto casing and drill tap screws (M6 x 14, 50 each per machine).
- Take measurement after installation of SS ring for diaphragm machining.
- Two new SS diaphragms per turbine will require sealing surface machining in BLNG machine shop vertical lathe.
- Require center key slot machining (1 per diaphragm).
- 10th to 11th diaphragm fabrication of offset casing centering key (contingency plan)
- Enlarge the slots in the upper casing for the 10th and 11th diaphragms ledge keys.

#### A.1.2 Thrust Bearings

- Replacement of bearings require shim grinding (using BLNG surface grinder).

#### A.1.3 Casing Bolts

- Field machining (drilling/extraction/tapping) of the following seized casing studs per machine:
  - (i) M90 (14ea)
  - (ii) M80 (6ea)
  - (iii) M64 (8ea)
  - (iv) M36 (38ea)

#### A.1.4 Others

- Drill Dowel pin, where reamers to be provided.
- Machine new dowel pins in BLNG machine shop.

#### A.1.5 Supply of Tools and Bits

- Provide necessary specialized machining tools and bits for precise workshop and field machining services.

#### A.2 Scope for Compressor

Major overhaul of Compressor

- Propane Compressor K-3210 (Dresser-rand 5M7-5 Centrifugal Compressor)
- MCR1 Compressor K-3220 (Dresser-rand 5M6-5 Centrifugal Compressor)
- MCR2 Compressor K-3230 (Dresser-rand 656B8 Centrifugal Compressor)

##### A.2.1 Rotors

- During Turnaround, run rotor will be sent to CO GEN for full inspection. Availability of machinist during Turnaround is needed if burnishing is required (contingency).

##### A.2.2 Compressor Casing

- Inspection of casing stud caps prior to Turnaround and replaced if necessary with Teflon material caps (nut type).  
Preparation and fabrication of new caps shall be done by workshop machinist before shutdown (contingency).

##### A.2.3 Thrust Bearings

- Thrust bearings require shim grinding to ensure proper rotor axial running position/thrust float (contingency).

##### A.2.4 Supply of Tools and Bits

- Provide necessary specialized machining tools and bits for precise workshop and field machining services.

#### ❖ SCOPE B – Workshop Machining Services

On-site availability for the below services are required for smooth execution of planned and unplanned activities.

##### B.1 Piping Cutting and Beveling Machine (6" to 30")

On-site availability of piping cutting services for any immediate necessary adjustments, modifications, or repairs to piping systems-

### **B.2 Flange Face Machining (1/2" to 72")**

On-site availability of flange face machining to address any issues related to flange sealing surfaces, such as damage or misalignment. With the on-site availability, reconditioning flanges shall provide proper sealing, even for newly installed.

### **B.3 Counterboring with various attachment size**

On-site availability of counterboring services to allow immediate modifications to existing holes or the creation of new ones as needed. This shall be useful where components need to be adjusted or retrofitted to fit within specified tolerances.

### **B.4 Partition Milling (Up to 2m)**

Capable of handling partitions milling up to 2 meters in size. The service shall involve the precision milling of partitions to create flat surfaces, slots, or other specified geometries. The Company will utilize advanced milling techniques to achieve the required surface finish and dimensional accuracy, ensuring that the milled partitions meet the BLNG's specifications for fit and function.

### **B.5 Demagnetizing**

On-site demagnetizing services to ensure that all metallic components are free from residual magnetism, which can interfere with welding, machining, and other precision processes.

### **B.6 Magnetic Hole Drilling Machine with the mounting plate**

On-site availability of magnetic drilling services with mounting plates to ensure precise drilling operations can be performed, even in challenging or vertical locations. The use of a mounting plate provides additional stability, allowing for accurate drilling.

### **B.7 Supply of Tools and Bits**

Provide necessary specialized machining tools and bits for precise workshop and field machining services.

## APPENDIX 2 – COMPANY OWNERSHIP

1. Please list down the details of all owners of your company:

Full Name	I/C Number	Bumiputra/Local/ Non-Local <sup>1</sup>

2. Please complete this section by ticking YES or NO:

		Yes	No
1	Are you willing to comply with all applicable laws and regulations of Brunei Darussalam.		
2	Please confirm that the owners of your company are actively managing the day-to-day operations of your company. (Kindly provide owner's details in the table provided below)		
3	Have you or any of your key personnel worked for BSJV Companies? (If 'YES' Kindly provide details in table provided below)		

<sup>1</sup> Bumiputra – Brunei Citizens belonging to one of the indigenous group of the Malay race, namely, Belait, Bisayah, Brunei, Dusun, Kedayan, Murut or Tutong  
Local – Brunei Citizens means subjects of His Majesty the Sultan and Yang Di-Pertuan holding a Brunei Yellow IC  
Non-Local – Not 'Bumiputra' and 'Local'

A. Kindly provide owner details in the table below:

Full Name	% of Shares	Actively Managing Company's Operation (Y/N)	Position	Authorised Signatories (Y/N)

B. Please provide Ex-BSJV details (who worked for Brunei Shell Joint Venture Companies) in the table below:

Full Name	Position in the Company	Involvement in Existing EOI/Tender (i.e Tender Preparation, Contract Execution; etc)	Year Last Worked in a BSJV Company	Job Description (include Job Title, Indicator, Department)

I, hereby, declare that my company of any affiliated companies have not been awarded a contract with BSJV, Government-linked companies or Government. I also confirm that all the information provided herein is accurate and acknowledge that BSJV companies reserve the right to exclude my Company from any subsequent tenders, should there be any deviations to such information.

Signature : \_\_\_\_\_ Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2024

Name : \_\_\_\_\_

Position Held : \_\_\_\_\_

Contact No. : \_\_\_\_\_ (O)

: \_\_\_\_\_ (M)

Email : \_\_\_\_\_

Duly authorised to sign Eols for and on behalf of :-

.....

..... (Registered Address)



**APPENDIX 3**

Pre-Qualification Questionnaire for Provision of Manpower, Machinist and Tooling for Machining Works – Compressor, Turbine and Workshop Machining.

	Yes	No	Remarks: If yes, please provide summary of your previous project(s) / experience(s).
<b>Business Capability</b>			
Does your company have any experience in carrying out the following Scope?			
Precise Workshop Machining Services			
Precise In-situ (Field) Machining Services			
Does your company have the capability and resources to provide the Scope?			
Does your company have any previous contract of similar scope with BSJV?			
Does your company have any previous contract of similar scope with any other companies (non-BSJV)?			