

Our Ref: KLP/MUHIBBAH/ITQ-EPCIC-T&I /02/2019
Your Ref: MEB/DBOG/-320(ITT)/T&I/001
Date : 22/07/2019

MUHIBBAH ENGINEERING (M) BHD.

Proposal Department
Jalan Batu Tiga Lama,
Kawasan Perindustrian Sungai Rasau,
41300 Klang, Selangor.

Email : bkoh@muhibbah.com.my
Attn : Mr. Oh Boon Kiat

Dear Sir,

INVITATION TO QUOTE (ITQ)

TENDER TITLE : PROVISION OF ENGINEERING, PROCUREMENT, CONSTRUCTION, INSTALLATION AND COMMISSIONING (EPCIC) FOR PM9 SIMPLIFICATION PROJECT.

TENDER NO : CHO/2019/IBO/1001

SCOPE OF WORK : OFFSHORE TRANSPORTATION AND INSTALLATION (T&I)

COMMERCIAL PROPOSAL COVER LETTER

As requested per your invitation via e-mail dated 24/06/2019, here is the cover letter for the Commercial Proposal and please find attached herewith our Commercial Proposal for your further action.

Thank you.

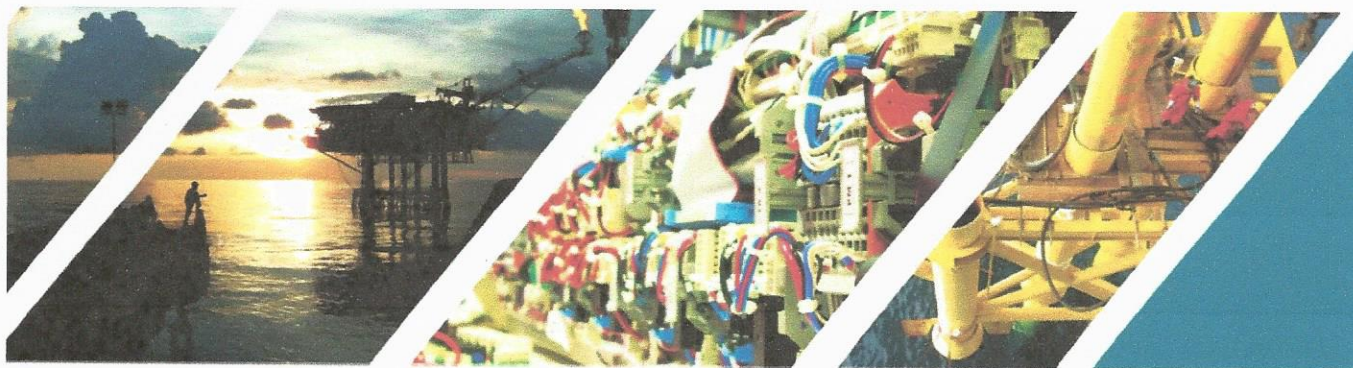
Yours faithfully,

KL PETROGAS SDN BHD



AZALIANI BINTI AZIZ
Managing director





TENDER NO.:
CHO/2019/ IBO/1001

TENDER TITLE:
**PROVISION OF ENGINEERING, PROCUMENT,
CONSTRUCTION , INSTALLATION AND COMMISIONING
(EPCIC) FOR PM9 SIMPLIFICATION PROJECT**

CLIENT : PETRONAS CARIGALI SDN BHD
EPCIC : MUHIBBAH ENGINEERING (M) BHD



DOCUMENT TITLE:
COMMERCIAL – ORIGINAL

Prepared by,

petrogas







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|  | <p>PROVISION OF ENGINEERING, PROCUREMENT, CONSTRUCTION, INSTALLATION AND COMMISSIONING (EPCIC) FOR PM9 SIMPLIFICATION PROJECT</p> <p>TENDER NO: CHO/2019/IBO/1001</p> |  MUHIBBAH ENGINEERING (M) BHD  PETRONAS |
| <p align="center">COMMERCIAL PROPOSAL</p> | | |

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| COMMERCIAL PROPOSAL | | |

C1. SCHEDULE OF COMPENSATION

| No. | Descriptions | Lump Sum Price (RM) |
|-------------|---|--------------------------|
| C1 | Project Management and Administration | 7,036,618.00 |
| C2 | WPQT / WQT | 1,541,664.00 |
| C3 | Pre-lay Survey | 437,484.00 |
| C4 | Procurement Items ; Permanent & Project Items | 3,428,955.00 |
| C5 | Transportation of Linepipes, Bends. Flanges, Module-1 , Riser clamps, Concrete Sleepers/Mattresses | 7,930,418.00 |
| C6 | Offshore Installation Pipeline And Module-9 | 65,316,934.00 |
| C7 | Pre-commissioning And Intelligent Pigging | 3,622,500.00 |
| C8 | Close Out Report | 51,750.00 |
| GRAND TOTAL | | 89,366,322.00 |






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C2. QUALIFICATIONS

1. Mobilization of the DLB Fortuna includes mobilization and rig-up of welding equipment, air and saturation diving system, positioning survey and ROV, FJC, NDT systems/equipment. This proposal is based at mobilizing at Johor Port, Johor.
2. Offshore Execution is considered 24hours operation (day & night) with 24hours access to the platform and in the vicinity is allowed.
3. No weather Standby is allowed, any standby due to weather, KL Petrogas shall be compensated accordingly.
4. The proposal included the installation of two new riser guards at both Bekok-A and Tiong-A.
5. The removal of existing jacket anodes obstructing or in the way of the riser clamps is not considered in this proposal.
6. The welding and neoprene coating works for the splash zone section at both Bekok-A and Tiong-A shall be by Muhibbah Engineering Berhad.
7. No Permanent flange protectors to be installed in this proposal.
8. The Bekok-A jacket structural integrity is able to withstand the maximum load exerted during the pipeline start-up using bow string method at Bekok-A platform.
9. The lifting method of New Module-9 is using the spreader bar and the weight of the Module is 957MT (WCR) is considered in this proposal and no shim plates requirement is considered for the haunch beam for the module levelness. There shall be no restriction on the lifting operation and the exhaust stack shall be field installed by others.
10. The quoted lump sum price for project management and administration is for a total of 10 months duration for preparation, execution of the WORKS and close-out of the project. For duration over and above this, monthly rate shall apply accordingly.
11. Pre-Lay and Post-Lay Survey of as-laid pipeline is considered in this proposal.
12. 4 lengths Pipes and test rings for Welder and Welding Procedure qualification, for pipeline, risers and subsea spools, shall be supplied and delivered by Muhibbah Engineering Berhad any at no cost to KL Petrogas to the Welding facility that will be nominated and advised by KL Petrogas.
13. This commercial proposal includes the provision of all marine vessels as proposed and listed in the technical proposal subject to the availability of these vessels at the time of offshore execution WORKS and KL Petrogas has the right to replace them should any of the vessel is not available.
14. Free issued linepipes shall be in conformance with Contractor's proposed welding equipment.
15. No Crew change has been considered in this proposal as the offshore execution is planned for 43days.
16. This proposal is based on Fuel rate not to exceed USD 650.00 per MT. Contractor to be compensated for any increase in the Fuel rate over and above USD 650.00 at cost plus ten percent (10%).
17. The prices quoted above are valid for 180 calendar days.
18. Free Span correction, grout bags installation at pipeline crossing, seabed preparation (if any), and major hazard / debris removal have not been considered in this proposal.



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19. Muhibbah Engineering Berhad/Company shall provide an accurate bottom survey map identifying the right-of-way in all areas where the work is to be performed. This map shall identify the correct location of any pipelines, cables, platforms, wells, or other permanent hazards or obstructions, which may affect installation. Muhibbah Engineering Berhad/Company shall be responsible for any inaccuracies or omissions in this bottom survey map. Muhibbah Engineering Berhad/Company shall be responsible for notification (if required) of the operators of any existing pipelines or cables in areas of the installation vessel anchor spread.

