

**TECHNICAL EVALUATION REPORT****7009-330-770-18-TER-01****EGYPTIAN NATURAL GAS COMPANY  
(GASCO)****PROJECT No 7009-330****IMPLEMENTATION OF PHASE I DEEP CUT ETHANE RECOVERY****STATIC EQUIPMENT – PRESSURE VESSEL****770-18**

10000-000-GE1-TMP-0014 (05/18)

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GASCO

IMPLEMENTATION OF PHASE I DEEP CUT  
ETHANE RECOVERY

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ALEXANDRIA, EGYPT

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**1.0 PURPOSE**

This report is technically evaluating the received offer for the inspection and fitness for service assessment for pressure vessels as per SRQ no. 7009-330-770-18-Q Rev.0 dated July 23<sup>rd</sup>, 2023 for GASCO, IMPLEMENTATION OF PHASE I DEEP CUT ETHANE RECOVERY.

**2.0 SCOPE OF SUPPLY**

- 2.1 Scope of supply mentioned in SRQ is to perform all required inspection activities and fitness for service assessment according to international codes and standards to change the service of the existing DE-Methanizer Preflash Vessel, tag no. (10-V-06) to fit in the new service in 5072-200 Train “D” project as New Fuel Gas Knock Out Drum, tag no. (583-V-002) considering that the vessel will be subjected to the same design conditions.

**3.0 BIDDERS**

Offers were received from the following bidders for the inspection and fitness for service assessment for pressure vessel.

3.1 TUV RHEINLAND.

3.2 BVQI BUREAU VERITAS.

3.3 DNV EGYPT LTD.

**4.0 BASIS OF TECHNICAL EVALUATION**

- 4.1 The rating resulting from the technical evaluation shall be one of the following categories:

4.1.1 Technically Accepted.

4.1.2 Technically Not Accepted.

- 4.2 Technical acceptance depends on meeting the limitations and requirements of the tender documents including:

4.2.1 Completeness of scope of supply as detailed in the SRQ and its attachments.

4.2.2 Compliance with technical requirements as specified in the SRQ & its attachments and those requirements highlighted via ENPPI correspondences and clarifications to the bidders during the evaluation phase.

4.2.3 Consideration of all exceptions / deviations (if any) which may be reflected on the technical quality and /or the reliability of the equipment. Such deviations are analyzed and evaluated, but they are not necessarily rendering the bid as not accepted.

- 4.3 The offer shall not be accepted due to noncompliance with the points mentioned in item 4.2 above.

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**5.0 TECHNICAL ANALYSIS OF BIDS****5.1 TUV RHEINLAND**

- 5.1.1 TUV base offer ref. no. 254101061 dated 03/08/2023 quoted for performing all required inspection activities and fitness for service assessment mentioned in section 2.0 of this report as per the requirements of service requisition and its attachments.
- 5.1.2 TUV offer has covered the required scope of supply as per section 2 of this report but missed some documents such as ITP, Schedule, and method of statement, etc. Therefore, clarifications were deemed necessary to confirm the remaining scope.
- 5.1.3 Technical queries and clarifications raised by ENPPI had been satisfactorily responded by TUV.

**5.2 BVQI BUREAU VERITAS**

- 5.2.1 BVQI base offer ref. no. EGY.23.8.218.05E dated 03/08/2023 quoted for performing all required inspection activities and fitness for service assessment mentioned in section 2.0 of this report as per the requirements of service requisition and its attachments.
- 5.2.2 BVQI offer has covered the required scope of supply as per section 2 of this report but missed some documents such as ITP, schedule, and method of statement, etc. therefore, clarifications were deemed necessary to confirm the remaining scope.
- 5.2.3 Technical queries and clarifications raised by Enppi had been satisfactorily responded by BVQI.

**5.3 DNV EGYPT LTD**

- 5.3.1 DNV base offer ref. no. OPP-00316445 Rev.0 dated 03/08/2023 quoted for performing all required inspection activities and fitness for service assessment mentioned in section 2.0 of this report as per the requirements of service requisition and its attachments.
- 5.3.2 DNV offer has covered the required scope of supply as per section 2 of this report but missed some documents such as ITP, schedule, and method of statement, etc. therefore, clarifications were deemed necessary to confirm the remaining scope.
- 5.3.3 Technical queries and clarifications raised by Enppi had been satisfactorily responded by DNV.

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## 5.4 GENERAL

5.4.1 As per GASCO request, it was agreed with the three bidders that NDEs shall be as the following:

1- External 100% PT on all welds (nozzles, shell, and head), same for internal PT with usage of fluorescent PT.

2- 100% PAUT on all longitudinal and circumferential welds of shells and head in case PAUT not applicable on head due to component configuration manual UT shall be used.

5.4.2 Full equipment list with specifications required along with durations to be sent one month before commencing work.

5.4.3 Specific method of statement and detailed ITP to be submitted after awarding.

## 6.0 DEVIATIONS

All exclusions in the three offers are submitted to GASCO, and GASCO agreed to provide all the items during the execution phase.

All exclusions are listed in application sheet no.7009-330-000-MAS-770-18-01, clause 6.

## 7.0 CONCLUSION

TUV offer is TECHNICALLY ACCEPTED.

BV OFFER IS TECHNICALLY ACCEPTED.

DNV OFFER IS TECHNICALLY ACCEPTED.

## 8.0 HIGHLIGHTS FOR COMMERCIAL EVALUATIONS

When obtaining the revised commercial offers, it should consider all requirements agreed upon during the clarifications phase.

## 9.0 TECHNICAL RECOMMENDATION

Not applicable.

## APPENDIX 1.0: BID TABULATION