









Owner: 	Client: 	GENERAL AUTHORITY OF HORMOZGAN PERSIAN GULF PORT  PAYA OIL PRODUCT TERMINAL		Consultant:  پهین طرح پایدار	Supervisor:  تدبیر ساحل پارس مهندسین مشاور	
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# MATERIAL REQUISITION FOR BASCULE

0	04/02/02	ISSUE FOR APPROVE	M.Abbaspor	R.Razmi	R.Razmi	R.Razmi
REV.	DATE	DESCRIPTION	PREPARE	CONTROL	CONFIRM	APPROVE





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Owner:  وزارت نیرو و منابع طبیعی جمهوری اسلامی ایران	Client:  شرکت پالایش نفت پارس (پارسهاف)	GENERAL AUTHORITY OF HORMOZGAN PERSIAN GULF PORT  PAYA OIL PRODUCT TERMINAL			Consultant:  پهین طرح پایدار	Supervisor:  تدبیر ساحل پارس مهندسين مشاور
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## 1. GENERAL

### 1.1. DEFINITIONS

Within the context of this document, the following definitions are applicable.

**Project:** OIL TERMINAL PROJECT

**Project location:** SHAHID RAJAEI PORT- BANDAR ABBAAS, Iran

**CLIENT:** PAYA OIL REFINERY Co.

**CONSULTANT:** BEHIN TARH PAYDAR Co.

### 1.2. SCOPE

This document includes minimum requirements in order to provide “**Material Requisition for Weighbridge**” for engineering design of PROJECT.

### 1.3. APPLICABLE CODES AND STANDARDS

The system shall generally be designed, manufactured and tested in accordance with the latest edition of all applicable standards.

### 1.4. UNITS AND LANGUAGE

Language of this document is English and follow Metric system.





### 1.5. SITE CONDITION

All equipment and material shall be designed and manufactured for use under the site condition mentioned in the Site Condition POT-150-BE-CV-SPE-5001

## 2. SUMMARY SCOPE OF WORK

Design, provision of material, fabrication, shop test & inspection, painting, marking, packing, documentation, performance, guarantee, site and factory acceptance tests of the packages and/or equipment in accordance with the attached documents shall be considered. Provision of first fill and spare parts for commissioning, start up and also 2 years of normal operation is in Vendor/Supplier Scope of Work as well. Supplier/Vendor scope of work is as followed:

- ▶ Engineering and documentation
- ▶ Procurement, manufacturing and assembling
- ▶ Mechanical guarantee
- ▶ Performance guarantee
- ▶ Sub-Vendor coordination
- ▶ Inspection and testing at shop and/or site
- ▶ Painting
- ▶ Packing
- ▶ Shipping and Transportation to point of delivery (According to delivery condition)
- ▶ Supervision for installation (Per diem rate and/or lump sum – as an option)
- ▶ Supervision for erection, commissioning & start up (Per diem rate and/or lump sum – as an option)
- ▶ Preparing of Final Book (Data Book)
- ▶ Training
- ▶ suggest to add "getting the approval from standard organization"

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### 3. SUMMARY SCOPE OF SUPPLY

#### 3.1. ITEMS TO BE SUPPLIED

Item	Tag No.	Qty.	Description
1	WB-101	1	ENTRANCE OF SITE

Vendor's proposal shall include, but not be limited to, equipment, materials and works specified as below.

#### 3.2. SPARE PARTS & SERVICES





Vendor/Supplier shall provide Spare Parts based on vendor experience or client request for tendering purposes and all subsequent pre-award negotiations, clarifications and deviations agreed with Purchaser during bid stage.

A separate and individually priced spare parts and special tools list shall be included in the proposal under the following heading and be not less than that of the equipment related standard:

- ▶ Two years operation spare parts,
- ▶ Start-up & Commissioning spare parts
- ▶ Special tools,

Vendor/Supplier shall confirm to supply spare parts for at least 10 years after commissioning.

TWO-YEARS OPERATION SPARE PARTS		
a	1 set	Supply of 2-years operation / Commissioning Spare Parts as proposed by Vendor/Supplier via fully completed SPIR form attached for items: 3.1.
SERVICES		
b	-	Vendor/Supplier documentation as per clause 7.4 for each of the items: 3.1.
c	1 set	All special tools for installation and maintenance for each of the items: 3.1.
d		All first filling.
e	1 set	Consumable for starting and testing of each of the items: 3.1.
f	-	Packing/Preservation for Items: 3.1.
g	-	Training and site supervision services for items: 3.1 as described in clause 10.
h	1 set	Loading/unloading accessories and handling equipments like spreader bars, shackles, slings, etc which are necessary for one point lifting method.
i	-	Coordination of inspection services for items: 3.1.

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## 4. VENDOR/SUPPLIER PROPOSAL

Vendor/Supplier shall have full and overall responsibility for the complete scope of supply.

The equipment shall be in strict accordance with the requirements specified in this material requisition and attached documents. However, compliance with the requisition does not relieve Vendor/Supplier of the responsibility to furnish equipment and accessories of proper design, technically suited to meet the operating guarantees at the specified service condition indicated in the data sheets and specifications.

Additionally, Vendor/Supplier is responsible for all coordination with sub-Vendor/Suppliers and collection of all details, drawings and data submission of all document requested in the requisition.

The unit shall be designed in such a way that safe operation under all normal situations is guaranteed and routine maintenance is possible during normal plant operation.

So, as a minimum, there are the Vendor/Supplier responsibilities:

- ▶ Supply equipment fit for purpose,
- ▶ Carefully examine the Material Requisition package prior to bid and inform the Purchaser of any error, omission and discrepancy of documents within the package,
- ▶ Comply with all requirements of this document or highlight deviation if any,
- ▶ Obtain and pay for all permits and licenses necessary for the performance of the work.

### 4.1. QUOTATION

Bidder is requested to acknowledge the receipt of the inquiry with the statement as to whether or not the bidder intends to submit a quotation before the designated deadline.

All quotation, drawings, correspondence and documentation shall be in English language. The quotation shall be sent to the address shown on the inquiry letter.





Requested copies of quotation shall be as follows:

- a) Technical
- b) Commercial with price

The quotation parts "a" and "b" shall be submitted in two separate sealed envelopes. The bidder's quotation must include the following:

- a) Inquiry No. & Quotation No.
- b) Country of Origin
- c) Manufacturing/Delivery Time and Schedule.
- d) Delivery Terms and Conditions.
- e) Quality Control Plan
- f) Inspection and Test Plan
- g) Sub-Supplier List
- h) Equipment Complete Description Supported by Catalogues and Certificates.
- i) List of the first fill type and quantity Commissioning and Recommended Two Year's Spare Parts.
- j) Price Breakdown
- k) Terms of Payments
- l) Statement of All Taxes, including Export tax

Bidder may supplement his basic quotation with an alternative design if this alternative offers significant advantages in respect of improving performance, delivery date, costs, etc.

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## 4.2. CONFLICTING REQUIREMENTS

Any conflicts or discrepancies found on any of design documentation shall be referred to the Purchaser for clarification in writing. No deviations shall be made from design documentation without prior approval of Purchaser in writing. For documents priorities the following sequence shall be followed:

- ▶ Purchase Order
- ▶ Material Requisition
- ▶ Data Sheets
- ▶ Specifications
- ▶ Codes & Standards
- ▶ Other relevant documents and/or drawings

## 4.3. HEALTH, SAFETY AND ENVIRONMENTAL REGULATIONS

Vendor/Supplier shall be responsible for ensuring that the goods and services supplied meet all applicable regulations on health, safety and environmental issues.

## 4.4. DEVIATION FORM

This Form or a similar format shall be completely filled and submitted along with Vendor/Supplier's bid. If no deviation is required, Vendor/Supplier shall fill "NIL" across the page. Non compliant bid as liable quotation is likely to be rejected. Vendor/Supplier shall date/sign/stamp each pages of this Form.

All deviations from the requirements of this Material Requisition, its attachments and referenced Codes and Standards shall be stated in Vendor/Supplier tender. Any deviation shall be clearly itemized under an individual/heading requesting Company/Purchaser approval otherwise full compliance will be assumed. Company/Purchaser has no responsibility to discover any more deviation in this regard.

### Status (by Purchaser):





- A: deviation accepted (minor deviation)
- R: deviation rejected (major deviation)
- CA: conditional acceptance

No.	Document No. & Clause No.	Project Requirement	Acceptance / Rejection by PURCHASER	
			Deviation with Justification	Status

## 4.5. PRICE BREAKDOWN

Breakdown price of the following items shall be included in the proposal, as well as total price.

- ▶ Material and fabrication for each item of Scope of Supply/Work individually,
- ▶ Packing & transportation,
- ▶ Commissioning and start-up spare parts,
- ▶ 2-years operation spare parts (complementary based on Vendor/Supplier experiences),
- ▶ Special tools (if any),
- ▶ Training (as per Section 11),
- ▶ Other fees (if any).
- ▶ Supervision on installation and commissioning

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## 4.6. OTHER REQUIREMENTS

### 4.6.1. SECRECY

The Material Requisition documents are the property of Purchaser/Client and shall be considered as confidential. Vendor/Supplier is not allowed to pass on any information, documents, or whatsoever regarding this Material Requisition to any third party without Purchaser's written approval.

If such approval has been given, it is the responsibility of Vendor/Supplier that the party involved shall also adhere strictly to the requirements and condition of this Material Requisition.

### 4.6.2. NONCONFORMITY

Vendor/Supplier shall immediately inform the Purchaser for any found nonconformity during fabrication and/or inspection and testing. All found nonconformity shall be eliminated by Purchaser.

## 5. DESIGN CONSIDERATIONS

### 5.1. PACKAGE / EQUIPMENT LIMITS

The intended location of this equipment is as shown in relevant drawings in Attachment documents. The package/equipment shall be delivered in the minimum economic number of assemblies.

The package/equipment limits shall be regarded as including all elements for which the Purchaser will provide all necessary items, connections or support points. Vendor/Supplier shall identify the interface points with all other equipment during bid submission. These shall be mutually agreed between Purchaser & Vendor/Supplier during bid evaluation.

### 5.2. PACKAGE / EQUIPMENT SKID SIZE

The Dimension of the package/equipment shall be informed to Purchaser during bid stage, so that Purchaser would consider the required space for that package/equipment. Any change in dimension during bid and vendor data review stage shall be mutually agreed on between Vendor/Supplier and Purchaser.

### 5.3. OPERATING CONDITIONS





Vendor/Supplier shall be responsible for ensuring that all equipment and components provided are suitable for the operating conditions stated in the Attachments and available utilities. Where Vendor/ Supplier standard or preferred design option does not meet the operating conditions, Vendor/Supplier shall give details of the technical deviations and commercial impact of complying with the stated conditions for Purchaser approval.

### 5.4. TECHNICAL INTEGRITY

Vendor/Supplier shall be responsible for the technical integrity of the package/equipment, including design, supply of materials, manufacture, fabrication, assembly, testing and inspection, painting, performance, packing for shipment, storage and specified engineering services. All these activities are to be in accordance with the scope of supply, the functional specification, data and interface information supplied by the Purchaser.

Vendor/Supplier shall have single point responsibility for all aspects of the work, including all components sub contracted or purchased from other parties.



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## 5.5. DESIGN LIFE, AVAILABILITY / RELIABILITY

Vendor/Supplier shall design the package/equipment for 25 years service life.

The overall availability/reliability of the whole package/equipment shall be described by the Vendor/Supplier. This shall be referenced to previous experience with proven designs which have operated in the field for several years with only planned outages for maintenance/replacement of normal wearing type components.

In making assessments of availability/reliability, the Vendor/Supplier shall estimate the repair/maintenance frequency. For the purpose of making such estimates the Vendor/Supplier may assume that the spares holding is in accordance with his submitted recommendations unless otherwise stated.

## 5.6. ACCEPTANCE CRITERIA

The final acceptance criteria of the package shall be in accordance with scope of supply which is described in specifications, data sheets and applicable codes, standards and regulations and other related document attached with this requisition.

## 5.7. OPERATIONS AND MAINTENANCE PHILOSOPHY

Full details of the operating design life of all major components, which will be subject to planned maintenance/replacement during the life of the package/equipment, shall be provided by the Vendor/Supplier. All package/equipment components which require regular monitoring or maintenance shall be easily accessible by operating personnel.

The package/equipment's shall be designed such that all maintenance can be carried out with the minimum of special facilities. Maintenance space requirements shall be kept to the minimum as far as possible.

Vendor/Supplier shall work closely with the Purchaser to ensure that the most effective layout for maintenance is achieved around the package.

## 6. GUARANTEE

Vendor/Supplier shall guarantee the operation of the equipment, the specified design condition, engineering, materials & workmanship of the equipment.





Vendor/Supplier shall undertake to remedy or replace any defect resulting from faulty design, materials or workmanship free of charge in the shortest possible time including dismantling at site and all transportation costs and fares. Vendor /Supplier shall also, if required, supply the services of an experienced engineer to supervise the necessary repairs and replacements.

All equipment's stated component parts shall be guaranteed by Vendor/Supplier against defective material, design, and workmanship when operated under normal conditions for 12 months from the date of successful start-up (72 hours successful continuously operation) or 18 months from the date of transportation whichever occurs first.

## 6.1. QUALITY ASSURANCE, QUALITY CONTROL /CERTIFICATION

Vendor/Supplier shall provide Quality Assurance and Certification in accordance with documentation issued to the Vendor/Supplier by Purchaser for tendering purposes and all subsequent Pre-Award Negotiations and Clarifications agreed with Purchaser during the tendering period.

Vendor/Supplier shall have in effect at all times, a QA/QC program, which clearly establishes the authority and responsibility of those responsible for the quality system. Person performing quality functions shall have sufficient and well defined authority to enforce quality requirements that initiate, identify, recommend and provide solutions to problems and verify the effectiveness of the corrective action.

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Vendor/Supplier's proposed quality system shall fully satisfy all the elements of ISO 9001, "Quality Systems – Model for Quality Assurance in Design/Development, Production Installation and Servicing", ISO-9003, "Quality Systems – Model for Quality Assurance in Final Inspection and Test" and ISO-9004, "Quality Management and Quality System Elements – Guidelines." The quality system shall provide the planned and systematic control of all quality-related activities performed during design.

Implementation of the system shall be in accordance with the Vendor/Supplier's Quality Manual and Project Specific Quality Plan, which shall both together with all related/referenced procedures, be submitted to Company/Purchaser for review, comment and approval.

Vendor/Supplier shall identify in purchase documents to its Sub-Contractors all applicable QA/QC requirements imposed by Company/Purchaser, and shall ensure compliance thereto. On request, Vendor/Supplier shall provide evidence of its QA/QC surveillance of its Sub-Contractors activities. If selected Sub-Contractors have ISO 9001 and ISO 9002 certification, as required for contracted scope, then copies of these certifications are to be provided for Company/Purchaser's review.

Company and Purchaser may elect to waive their audits in favor of ISO 9001 register audits. Any contracted service not covered in ISO 9001/9002 certification will be subject to Company and Contractor audit requirements.

Vendor/Supplier shall assume unit responsibility and overall guarantee for the supply.

Vendor/Supplier shall transmit all relevant Purchase Order documents including specifications to his Sub-Contractors or Sub-Vendor/Suppliers.

It is Vendor/Supplier's responsibility to enforce all Purchase Orders and Specification requirements on his Sub-Contractors and Sub-Vendor/Suppliers.

Vendor/Supplier shall submit all relevant Sub-Vendor/Suppliers and Sub-Contractors drawings and engineering data to Company/Purchaser for review and approval. All comments from the

Company/Purchaser shall be incorporated in the Sub-Vendor/Suppliers and Sub-Contractors design/supply/works. Any conflicts or discrepancies shall be brought to the notice of Company/Purchaser for resolution.

Vendor/Supplier shall obtain and transmit all Sub-Vendor/Suppliers and Sub-Contractors warranties to Company/Purchaser, in addition to the package/equipment warranty. This clause can be waived by EPC Contractor for bulk materials.

## 7. DOCUMENTATION

### 7.1. GENERAL





Vendor/Supplier documentation shall be provided, as a minimum, in accordance with the clause 7.4 of this document for Purchaser review. Clause 7.4 defines what needs to be submitted, time of submission, format (i.e. Hardcopy, Electronic File, CD/DVD) and number of copies to be submitted by

Vendor/Supplier in various stages (Bid, Vendor/Supplier Data Review, Final Data Books).

Proposals that are not in compliance with purchaser's requirements shall not be taken into consideration. Unless it is expressly stated in Vendor/Supplier proposal that some of the conditions specified therein differ from the conditions mentioned in Purchase's requirements, EPC Contractor shall assume that all of the conditions have been fully complied by Vendor/Supplier.

The following major points should be noted:

- ▶ All documents shall be in English language.
- ▶ All documents issued to Purchaser must be issued via a transmittal.
- ▶ The transmittal must be clearly indicate the P.O. No., Vendor/Supplier Reference No., Date of Issue, list of all documents showing Document Number/Title/Document Code/No. of Pages/Revision

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No./Target Date for issuing of the all listed documents.

- ▶ Cover sheet of each document attached to the transmittal must clearly referring the VDRL codes and descriptions described there in the Material Requisition and must provide the following information on cover sheet of each document:
  - Vendor/Supplier Name & Logo
  - Document/Equipment Title
  - Package/Equipment Item or Tag No.
  - Document Code (as per VDRL) and class and revision
  - Project Name
  - Client Name
  - Purchaser & EPC Consultant Name
  - Date & Purpose of Issue
- ▶ Drawings and documentation are only accepted by Purchaser when signed by Vendor/Supplier as Checked and Approved for Construction.
- ▶ Drawings shall show all necessary dimensions and details required for interface and installation.
- ▶ Required clearances for maintenance
- ▶ Drawings and documents shall be clear and completely legible with all text in the English language.
- ▶ Vendor/Supplier shall submit all major documents and drawings containing interface information for Purchaser approval according to the VDRL prior to start of manufacturing.
- ▶ All revised drawings and documents shall clearly show revisions with the issue date and Vendor/Supplier's checked and approved signatures.
- ▶ Drawings to be AutoCAD 2004 format or later and other documentation to be in Office 2003 / Adobe Acrobat PDF format.
- ▶ Purchaser's documentation template & numbering system is to be used for all Vendor/Supplier generated documentation. Vendor/Supplier's logo and numbering can also be shown in addition.
- ▶ Drawings, documentation and certification requiring an independent certifying authority to approve shall be done at the Vendor/Supplier's initiation, direction and expense.
- ▶ All final drawings, manuals and computer based training information for the Vendor/Supplier's equipment (i.e. Operations and Maintenance Manuals) shall be provided. Further details are included within the VDRL provided in clause 7.4.

## 7.2. DOCUMENT REVIEW CYCLE





Document review cycle is the time duration required by the Engineering Consultant to complete the review of the Vendor/Supplier documents (15 calendar days from date of receipt if not otherwise specified). Vendor/Supplier shall update and return the documents including the comments within 14

calendar days. These periods shall be taken into account when planning submissions and manufacturing activities.

Status of Review Codes is described on the status review stamp that will be applied to the document front sheet. Purchaser's approval does not relieve Vendor/Supplier, in any way, from his obligations to fulfill the requirements of the Purchase Order documents.

## 7.3. VENDOR/SUPPLIER SIGNATURE/STAMP ON PROJECT DOCUMENTS

Vendor/Supplier shall sign and stamp the first page of all Material Requisition attached documents and also complete Deviation/Exception Form. Purchaser shall receive these signed and stamped documents before Purchase Order. All preliminary or final documents are to be stamped and signed by Vendor/Supplier.

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## 7.4. VENDOR/SUPPLIER DATA REQUIREMENT LIST





Minimum Vendor/Supplier data requirements are listed in below table which is supplied by abbreviations as follows:

Document Type:





▶ o :	Original Hard Copy
▶ e :	Electronic Searchable File Delivery Time:
▶ W :	Week
▶ AO :	After Order
▶ AF :	After Factory Tests
▶ BF :	Before Factory Tests
▶ BD :	Before Delivery
▶ BS :	Before Shipment

Final Data Book shall be furnished to Purchaser based on Vendor/Supplier Data Requirement List. In order to avoid waste of time, at first only one copy of Final Data Book shall be submitted to Purchaser for approval. Then after approval of that copy, the other copies can be duplicated. Also an Electronic File

Final Data Book shall be furnished to Purchaser based on Vendor/Supplier Data Requirement List. In order to avoid waste of time, at first only one copy of Final Data Book shall be submitted to Purchaser for approval. Then after approval of that copy, the other copies can be duplicated. Also an Electronic File in Microsoft Office Professional format shall be submitted to EPC Contractor with the final copies.

Owner:  وزارت نیرو و منابع طبیعی	Client:  شرکت پالایش نفت پارس (پارس پالایش)	GENERAL AUTHORITY OF HORMOZGAN PERSIAN GULF PORT  PAYA OIL PRODUCT TERMINAL		Consultant:  پیین طرح پایدار	Supervisor:  تدبیر ساحل پارس مهندسين مشاور
Client Doc. No.: POT-150-DE-ME-MRQ-7207		Rev. 0	Page: 13 of 14	Date: 1404-02-02	
Document Title: MATERIAL REQUISITION FOR BASCULE					

VENDOR DATA REQUIREMENT LIST (VDRL)								
No.	Document Title	Submit with Bid	After Order					
			FOR			FOR		FINAL
			APP. (A) / REV. (R) / COM. (C)			INFORMATION		DOCUMENTATION
		Qty.	Qty.	Status	Date	Qty.	Status	Qty.
1.1	Quality Control Plan	1o+e	1o+e	A	4WAO	-	-	2o+e
1.2	Quality Control Certificate	1o+e	1o+e	-	-	-	4WAO	2o+e
1.3	Inspection & Test Plan (ITP)	1o+e	1o+e	A	4WAO	-	-	2o+e
1.4	Inspection & Testing Certificates	-	1o+e	-	-	-	4WAO	2o+e
1.5	Welding Procedures (WPS, PQR, WQR)	-	1o+e	R/C	8WAO	-	-	2o+e
1.6	Surface Preparation, Coating & Packing Procedures	-	1o+e	R/C	8WAO	-	-	2o+e
1.7	Shop Running Test Procedures (incl. Noise, Vibration, NDT, Heat Treatment, Performance, etc. Tests)	-	1o+e	R/C	8WAO	-	-	5o+e
1.8	Shop Test Reports	-	1o+e	-	-	-	4WBD	2o+e
1.9	Material (Mill) Test Certificate	-	1o+e	-	-	-	4WAO	2o+e
1.10	Nameplate Drawing	-	1o+e	A	8WAO	-	-	2o+e
2	PROCUREMENT DOCUMENTS							
2.1	Technical Catalogs	1o+e	1o+e	R/C	3WAO	-	-	2o+e
2.2	Reference List	1o+e	-	-	-	1o+e	2WAO	2o+e
2.3	List of Sub-suppliers & Sub-contractors	1o+e	-	-	-	1o+e	4WAO	-
2.4	Time Schedule & Progress Report	1o+e	1o+e	-	-	1o+e	4WAO	2o+e
2.5	Spare Parts List for Commissioning & Start-up	1o+e	1o+e	A	4WAO	-	-	2o+e
2.6	Spare Parts List for 2 Years of Operation	1o+e	1o+e	A	3WAO	-	-	2o+e
2.7	Special Tools List for Installation, Operation & Maintenance	-	1o+e	-	-	1o+e	4WAO	2o+e
2.8	Handling, Transportation & Storage Procedure	-	-	-	-	1o+e	4WAO	-
2.9	Packing List	-	-	-	-	1o+e	4WAO	2o+e
2.10	Erection, commissioning, maintenance manual	-	-	-	-	4o+e	4WAO	5o+e
2.11	General arrangement & sectional and erection drawings	-	-	-	-	4o+e	4WAO	5o+e
2.12	Guarantee and warranty certificate	-	-	-	-	4o+e	4WAO	5o+e
2.13	data sheet and technical specification	-	-	-	-	4o+e	4WAO	5o+e
2.14	suggest to add : civil and foundation drawings	-	-	-	-	4o+e	4WAO	5o+e
2.15	Electrical system document	-	-	-	-	4o+e	4WAO	5o+e

Owner:  وزارت نیرو و منابع آبی جمهوری اسلامی ایران	Client:  شرکت پالایش نفت پارس (پارس پال) (PANY)	GENERAL AUTHORITY OF HORMOZGAN PERSIAN GULF PORT  PAYA OIL PRODUCT TERMINAL		Consultant:  مهندسی طرح پایدار	Supervisor:  تدبیر ساحل پارس مهندسی مشاور
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Document Title:		MATERIAL REQUISITION FOR BASCULE		Date:	1404-02-02

## 8. PACKAGING, PRESERVATION & PREPARATION FOR SHIPMENT

Vendor/Supplier shall provide Packaging, Preservation and Preparation for Shipment in accordance with documentation issued to Vendor/Supplier by Purchaser for tendering purposes and all subsequent pre- award negotiations, clarifications and deviations agreed with Purchaser during bid stage.

All Supplied items shall be packed separately including main package, ship-loose items, commissioning and start-up spare parts, special tools, first filling (lubricant and hydraulic oil, coolant, consumable, etc.), documentation, etc.

Vendor/Supplier standard for packing and marking is going to be considered, it shall be approved by Purchaser.

## 9. PRE-COMMISSIONING, COMMISSIONING & START-UP (IF)

Vendor/Supplier shall provide pre-commissioning, commissioning and start-up equipment and services in accordance with documentation issued to Vendor/Supplier by Purchaser for tendering purposes and all subsequent pre-award negotiations, clarifications and deviations agreed with Purchaser during bid stage.

Vendor/Supplier shall quote, if required, for the service of competent engineer(s) and/or technician(s) to assist in installation, commissioning and testing of the equipment at site on a per person per diem basis.

The quoted rate shall be irrespective of duration and frequency of service and Vendor/Supplier shall guarantee the services of the engineer(s) and technician(s) on the Purchaser specified date.

## 10. TRAINING

Vendor/Supplier shall provide Training in accordance with documentation issued to Vendor/Supplier by Purchaser for tendering purposes and all subsequent pre-award negotiations, clarifications and deviations agreed with Purchaser during the tendering period.

The training may be take place at manufacturing plant and/or in construction yard or site for the operation and maintenance of the offered equipment's. Vendor/Supplier shall quote, if required for the cost of the above mentioned services on a per person per Diem. The program for the training shall be prepared on mutual agreement. The necessary manuals, text books and other training materials which are required for training should be provided, in advance before the start of the courses.

A separate and individually priced list for training services shall be included in the proposal under the following heading:

- ▶ Site supervision during pre-commissioning and start-up period in man-hour rate.
- ▶ Two weeks training for operation and maintenance personnel at project site (10 person attended).
- ▶ One week training for operation and maintenance personnel at Vendor/Supplier's shop (5 person attended).
- ▶ Six month of operation supervision and training for operation and maintenance personnel at project site by an expert which will be nominated by Vendor/Supplier