



Toase-che Park Sanati Gohar Ofogh
Petrochemical Co.
**CONCEPTUAL, BASIC and DETAIL DESIGN
ENGINEERING OF STYRENE PARK OFFSITE**



Document Title : Material Requisition for Vent Blower

Document No. : EI027-000-ED-ME-MR-505

Rev. R2

Page 1 of 16

STYRENE PARK OFFSITE

Document Title:

Material Requisition for Vent Blower

R2	28-Jul-2020	Issue For Bid (IFB)	E. Parnianchi	S. Behniyafar	R. Memar
R1	06-Jun-2020	Issue For Bid (IFB)	E. Parnianchi	S. Behniyafar	R. Memar
R0	11-May-2020	Issued for Approval (IFA)	E. Parnianchi	S. Behniyafar	R. Memar
Rev.	Issued Date	DESCRIPTION	PREPARED	CHECKED	APPROVED



پتروشیمی توسعه پارک
صنعتی گوهر افق

Toase-che Park Sanati Gohar Ofogh
Petrochemical Co.
**CONCEPTUAL, BASIC and DETAIL DESIGN
ENGINEERING OF STYRENE PARK OFFSITE**



BINA EPC Contractor Co.
(Executor of Oil, Gas, Petrochemical & Power Industries)

Document Title : Material Requisition for Vent Blower

Document No. : EI027-000-ED-ME-MR-505

Rev. R2

Page 2 of 16

REVISION RECORD SHEET

Page	Revisions							Page	Revisions						
	R0	R1	R2	R3	R4	R5	R6		R0	R1	R2	R3	R4	R5	R6
1	X	X	X					41							
2	X	X	X					42							
3	X	X	X					43							
4	X	X	X					44							
5	X	X	X					45							
6	X		X					46							
7	X		X					47							
8	X		X					48							
9	X							49							
10	X	X						50							
11	X		X					51							
12	X							52							
13	X		X					53							
14	X							54							
15	X							55							
16	X							56							
17								57							
18								58							
19								59							
20								60							
21								61							
22								62							
23								63							
24								64							
25								65							
26								66							
27								67							
28								68							
29								69							
30								70							
31								71							
32								72							
33								73							
34								74							
35								75							
36								76							
37								77							
38								78							
39								79							
40								80							





 <p>پتروشیمی توسعه پارک صنعتی کوهر افق</p>	<p>Toase-che Park Sanati Gohar Ofogh Petrochemical Co.</p> <p>CONCEPTUAL, BASIC and DETAIL DESIGN ENGINEERING OF STYRENE PARK OFFSITE</p>		 <p>BINA EPC Contractor Co. (Executor of Oil, Gas, Petrochemical & Power Industries)</p>
	Document Title : Material Requisition for Vent Blower		
	Document No. : EI027-000-ED-ME-MR-505	Rev. R2	Page 3 of 16

TABLE OF CONTENT

1. GENERAL	4
2. APPLICABLE DOCUMENTS	5
3. SCOPE OF SUPPLY/AND WORK	5
4. PRIORITY OF DOCUMENTS	7
5. DOCUMENTS TO BE SUBMITTED WITH VENDOR'S PROPOSAL	7
6. PRICE BREAKDOWN	8
7. INSPECTION AND TEST PLAN (ITP)	8
8. FIELD SERVICE	9
9. DEVIATIONS FROM PURCHASER'S REQUIREMENT	9
10. DOCUMENTS REQUIREMENT AFTER PURCHASE ORDER	9
11. CHANGES	10
12. SPARE PARTS & SPECIAL TOOLS	11
13. GUARANTEE	11
14. DELIVERY LOCATION AND TIME SCHEDULE	11

ATTACHMENTS

ATTACHMENT-1	
<i>Deviations and Exceptions</i>	12
ATTACHMENT-2	
<i>Required Technical Documentation</i>	14

	<p>Toase-che Park Sanati Gohar Ofogh Petrochemical Co.</p> <p>CONCEPTUAL, BASIC and DETAIL DESIGN ENGINEERING OF STYRENE PARK OFFSITE</p>		
	Document Title : Material Requisition for Vent Blower		
	Document No. : EI027-000-ED-ME-MR-505	Rev. R2	
			Page 4 of 16

1 GENERAL

1.1 Scope

This document defines the minimum requirement for the supply of Centrifugal Blowers and their auxiliary equipment that will be installed and operated in Assaluyeh, Phase-2, Styrene Park Offsite.

Vendor's proposal for equipment and/or materials shall be in strict accordance with conditions stated in this requisition, relevant "Mechanical Data Sheets" and any attached documents. Exceptions, deviations and alternatives will be valid only if approved in writing by purchaser.

1.2 Project Data

Project Name:	Styrene Park Offsite
Client:	Gohar Ofogh Petrochemical Co.
Consultant:	BINA EPC Contractor Co.
Purchaser:	PAD-JAM Petrochemical Co.
Vendor/Manufacturer:	Who is responsible for fabrication and supplying the equipment.
Inspector:	Representative of Company or organization authorized by Company to perform inspection
Sub-vendor:	Any organization which will be selected by vendor and approved by purchaser to produce and supply the equipment and/or materials to vendor.

1.3 Subject of Supply

The scope of supply shall consist mainly of Centrifugal Blowers, Electrical Motor Drivers and their auxiliary. It shall be noted that all portions are horizontally mounted.



Following items list is to be considered as reference.

No	Tag No.	QTY	Description
1	B-0001 A/B	2	Styrene Vent Blowers and Motors

1.4 Use of Language

Throughout this Material Requisition, the words "shall", "should" and "may" when used have the following meaning:

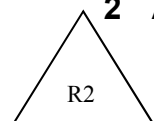
"Shall": Denotes a requirement that is mandatory whenever the criterion for conformance requires that there be no deviation.

	<p>Toase-ehe Park Sanati Gohar Ofogh Petrochemical Co.</p> <p>CONCEPTUAL, BASIC and DETAIL DESIGN ENGINEERING OF STYRENE PARK OFFSITE</p>		 <p>BINA EPC Contractor Co. (Executor of Oil, Gas, Petrochemical & Power Industries)</p>
	Document Title : Material Requisition for Vent Blower		
	Document No. : EI027-000-ED-ME-MR-505	Rev. R2	Page 5 of 16

"Should": Denotes a guideline or recommendation whenever noncompliance is permissible provided that Purchaser approves deviation which is distinctively indicated in Vendors' Exception/Deviation list.

"May": Denotes discretion and is not mandatory.

2 APPLICABLE DOCUMENTS (that will be submitted to vendor)



EI027-000-ED-ME-DSH-505	Mechanical Data Sheet For Styrene Vent Blower
EI027-000-ED-PR-DSH-504	Process Data Sheet For Styrene Vent Blower
EI027-000-EB-EL-SPC-002	Specification For Low Voltage Motors
EI027-000-ED-PR-PID-522	P&ID for Styrene Storage Tank (TK-0001)
EI027-000-EB-PI-SPC-014	Paint Specification
EI027-000-ED-SA-LAY-022	Hazardous area Layout
EI027-000-ED-IN-SPC-001	Specification for Field Instruments
EI027-000-ED-ME-PRO-001	Packing and Marking Procedure
EI027-000-ED-PR-SPC-002	Site and Design Condition for Offsite Area

3 SCOPE OF SUPPLY AND WORK

Vendor's scope of supply and responsibility shall include but not necessarily be limited to the design activities and engineering (according to Para. 3.2), main equipment supply (according to Para. 1.3), auxiliaries Supply (according to Para. 3.1), fabrication, painting, assembly, testing, preparation for shipment, packaging, marking together with provision of erection supervision, commissioning assistance and training.



3.1. Scope of Supply

Main scope of supply as a minimum shall include below.

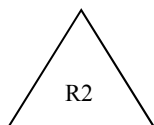
- Centrifugal blower according to API 673 2nd Edition
- Electric motors
- All auxiliaries

Vendor shall include all the other Accessories not listed below, but necessary for a good design and a safe operation.

- Couplings with non-spark coupling guard
- Sea Worthy Packing
- Heavy duty Single lift base-plates for Blower and Motor
- Wiring up to J. Box
- All required electrical & instrumentation termination junction boxes for connection of Incoming and interconnection wiring
- Expansion Joints at Blower Suction & Discharge

 <p>پتروشیمی توسعه پارک صنعتی کوهر افق</p>	<p>Toase-eh Park Sanati Gohar Ofogh Petrochemical Co.</p> <p>CONCEPTUAL, BASIC and DETAIL DESIGN ENGINEERING OF STYRENE PARK OFFSITE</p>		 <p>BINA EPC Contractor Co. (Executor of Oil, Gas, Petrochemical & Power Industries)</p>
	Document Title : Material Requisition for Vent Blower		
	Document No. : EI027-000-ED-ME-MR-505	Rev. R2	Page 6 of 16

- Sunshade for electronic instruments and driver
- Shims and plates for alignment
- Spare parts for erection, pre-commissioning and start-up
- Acoustic attenuation equipment (if Required)
- Thermal Insulation for personal protection (if Required)
- Equipment earthing by externally accessible earthing studs
- Lifting beam (if necessary)
- All required instrumentation
- Anchor bolts and installation bolts
- Mating flanges of suction and discharge nozzles if flanges are not according to ANSI B16.5
- Paint
- Touch-up paint for field repair works
- Personnel safety device, if any
- Earthing Lug, if any
- Motor local start/ stop stations
- Vibration probes (if it is necessary)
- The lube oil system with all necessary equipments (If required)
- Air intake filter with related accessories
- Base plate
- First fill lubrication
- 2 years spare parts (option) to be quoted separately
- Capital spare parts list (based on project requirement or vendor recommendation)





3.2. Scope of Work, Test and Engineering

Vendor shall consider in his offer engineering and tests that are mentioned in this MR and related specs. All documents mentioned in attachment-2 are required. ITP shall be based on (Iranian Petroleum Standard) IPS.

General requirement mentioned below also:

- Engineering and Documentation
- Forces and Moments on Flange
- Required Data for designing Foundation
- Critical Speed Analysis and Unbalance
- Mechanical Guarantee
- Performance Guarantee
- Surface preparation and painting
- Inspection and tests at shop and at site
- Final Book
- Certificate dossier
- Supply and Manufacturing schedule including all of the sub suppliers

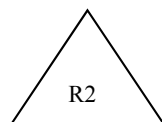
 <p>پتروشیمی توسعه پارک صنعتی کوهر افاق</p>	<p>Toase-che Park Sanati Gohar Ofogh Petrochemical Co.</p> <p>CONCEPTUAL, BASIC and DETAIL DESIGN ENGINEERING OF STYRENE PARK OFFSITE</p>		 <p>BINA EPC Contractor Co. (Executor of Oil, Gas, Petrochemical & Power Industries)</p>
	Document Title : Material Requisition for Vent Blower		
	Document No. : EI027-000-ED-ME-MR-505		Rev. R2

- Supervision on installation (Daily rate basis)
- Supervision on commissioning (Daily rate basis)

3.3. Exclusion

- Unit Foundation,
- Power cable between motor and motor control Center,
- Motor Control Center,
- Cable glands of electrical motor,
- Lifting devices,
- Platforms with ladders for access and maintenance purpose

4 PRIORITY OF DOCUMENTS



Priority of documents shall be defined, as below:

In case of any discrepancy, inconsistency, conflict or ambiguity, the order of priority of documents is per the following:



- (1) Purchaser's approved Clarifications, MOMs and "Exception, Deviation & Alternative List"
- (2) Data Sheets / Drawings (if any)
- (3) Technical Specifications / Purchaser's documents attached to MR
- (4) This Material Requisition
- (5) Code & Standards referred to in the Specification and attachments

If Vendor discovers any inconsistency, discrepancy, ambiguity or conflict within the documents comprising this Requisition which could not be resolved after considering above mentioned precedence, the most stringent requirements shall govern. Any ambiguity, conflict, inconsistency or discrepancy shall be referred to the Purchaser and written approved solution shall be applied.

5 DOCUMENTS TO BE SUBMITTED WITH VENDOR'S PROPOSAL

With proposal, vendor shall furnish of the followings:

- Quotation
- Technical Specification
- Deviation List
- Outline dimension drawings (including estimated weight)
- Completed Client's data sheets
- Performance curves including Q-H, NPSH-Q, Power-Q, Efficiency-Q
- List of required utilities (Power, Water, etc.)
- Sub-vendor list
- Reference list
- Manufacturing time table

	<p>Toase-che Park Sanati Gohar Ofogh Petrochemical Co.</p> <p>CONCEPTUAL, BASIC and DETAIL DESIGN ENGINEERING OF STYRENE PARK OFFSITE</p>		 <p>BINA EPC Contractor Co. (Executor of Oil, Gas, Petrochemical & Power Industries)</p>
	Document Title : Material Requisition for Vent Blower		
	Document No. : EI027-000-ED-ME-MR-505	Rev. R2	Page 8 of 16

- Catalogues
- Operating principle
- Quality certificates
- Required spare part lists for commissioning and 2 years operating
- After sales services

All documents and drawings shall be submitted in 2 copies and one Electronic file, which shall be searchable, and written in English. All documents and drawings shall state name of Owner / Client (end-user), Inquiry No., name of commodity and Date of Submission.

6 PRICE BREAKDOWN

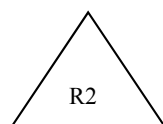
Vendor's quoted Lump Sum price shall be broken down into the following categories.

- (1) Equipment and Materials, Ex-works basis
- (2) Special Tools
- (3) Insurance
- (4) Pre-commissioning and Commissioning Spare Parts
- (5) Export Sea-Worthy Packing
- (6) CFR Bandar Imam Iran or Nearest
- (7) Main Electrical Motors
- (8) Tests

The followings shall be excluded from the Lump Sum price and quoted separately.

- (1) 2 Years Operation Spare Parts
- (2) Cost for Vendor Supervision (in details)
- (3) Cost for Training

7 INSPECTION AND TEST PLAN (ITP)



Inspection and tests shall be performed by Vendor in accordance with:

[X] Requirements specified in this Requisition, all documents & engineering specifications attached and related standards referred.



[X] Vendor's provided procedure subject to Purchaser's Review

[X] Vendor's Inspection and Test Plan (ITP) Reviewed by the Purchaser

The Purchaser and Third Party Inspector reserve the right to inspect and independently test materials in Vendor's and sub-Vendor's premises.

Notes:

- 1) Test results and certificates including mill certificate, etc. shall be also provided by the Vendor

	<p>Toase-che Park Sanati Gohar Ofogh Petrochemical Co.</p> <p>CONCEPTUAL, BASIC and DETAIL DESIGN ENGINEERING OF STYRENE PARK OFFSITE</p>		 <p>BINA EPC Contractor Co. (Executor of Oil, Gas, Petrochemical & Power Industries)</p>
	Document Title : Material Requisition for Vent Blower		
	Document No. : EI027-000-ED-ME-MR-505	Rev. R2	Page 9 of 16

for the respective items identified in the ITP especially for items which supplied by sub vendors.

8 FIELD SERVICE

8.1. Supervision

Vendor shall dispatch personnel for the following supervision services(s) of all Equipment/Materials supplied by Vendor:

- Supervision and/or instruction of field installation and/or assembling
- Adjustment and/or alignment work
- Technical Assistance for Start-up, Commissioning, Initial Operation & Test Runs

Vendor shall quote daily rates, other conditions and recommended service periods for the above service(s).

8.2. Meeting

Vendor shall participate at any clarification meeting, coordination meeting, as required by Purchaser in Purchaser's office.

8.3. Training

Vendor shall quote the cost for the training service for the training of Company's personnel for the operation and maintenance of the equipment and materials which Vendor offers.

9 DEVIATION FROM PURCHASER'S REQUIREMENT

Vendor's quotation may be subject to rejection unless it includes a list which shows specifically any deviation from the purchase order, data sheets, specification, related API standards and/or the related documents attached hereto, or a statement "NO DEVIATION". It is absolutely necessary that the exceptions and deviations list shall be submitted by using the format of ATTACHMENT-1 "Deviations / Exceptions to JOB Specification"



Purchaser has no responsibility to discover any deviations or alternatives entered in order parts of Vendor's proposal than the said deviation list.

No deviation or exception will be accepted for any package, after the Purchase Order without prior agreement from PURCHASER.

10 DOCUMENTS REQUIRED AFTER PURCHASE ORDER

10.1. General

All documents and drawings shall states the name of Owner/Client (end user), PO No. and the name of commodity.

	<p>Toase-che Park Sanati Gohar Ofogh Petrochemical Co.</p> <p>CONCEPTUAL, BASIC and DETAIL DESIGN ENGINEERING OF STYRENE PARK OFFSITE</p>		 <p>BINA EPC Contractor Co. (Executor of Oil, Gas, Petrochemical & Power Industries)</p>
	Document Title : Material Requisition for Vent Blower		
	Document No. : EI027-000-ED-ME-MR-505	Rev. R2	Page 10 of 16

All Documents and drawings shall be written in English. Documents and drawings shall be handed over based on project requirement in attachment-2.

The text of electronic files shall be search-able. Status report shall be submitted every one (1) month by fax or E-mail.

In addition to the above, in case of field modification to the supplied equipment, Vendor shall update the As-Built document as field modification.

10.2. Data Sheet

Data sheets shall be produced with Microsoft Office products (Word, Excel). The files shall be delivered in a “workable stand-alone” format, without any special features (links to other files, special fonts, macros, etc.), which may affect the possibility of reviewing and editing accompanied by PDF format of the file.

10.3. Drawings

Final issue of drawings shall be supplied in AUTOCAD format 2010.

10.4. Approval of Vendor's Documents and Drawings

The documents and drawings to be approved by the Purchaser shall be submitted with a mark “For Approval”. One copy of such documents and drawings will be returned to the Vendor after the Purchaser's stamping with either “Approved”, “Approved as noted” or “Not Approved” within 2 weeks from the receipt. “Approved as Noted” means: The Vendor shall revise the documents and drawings in accordance with the Purchaser's comments, and shall resubmit them within 2 weeks from the receipt. Unless otherwise specified, the Vendor may proceed with manufacturing work subject to incorporation of the comments. “Not Approved” means: The Vendor shall revise the documents and drawing in accordance with the Purchaser's comments, and shall resubmit them within 2 weeks from the receipt. Manufacturing shall not be preceded at this stage.



11 CHANGES

11.1. Changes Order

The Purchaser reserves the right, from time to time, to make changes in design, quantity and other technical requirements throughout the Project duration.

11.2. Claims

Any Claim including those in respect of change order as referred to in paragraph 10.1 above must be submitted to Purchaser in writing with reasons in any event not later than ten (10) working days after the Vendor received change order request from the Purchaser (in case of paragraph 10.1 above). After elapse of such days the Vendor's right for claim right will be forfeited. In no event shall the Vendor have claim right to this purchase order after the ex-work date of the equipment, except for those submitted to Purchaser before such date.

 <p>پتروشیمی توسعه پارک صنعتی کوهر افق</p>	<p>Toase-che Park Sanati Gohar Ofogh Petrochemical Co.</p> <p>CONCEPTUAL, BASIC and DETAIL DESIGN ENGINEERING OF STYRENE PARK OFFSITE</p>		 <p>BINA EPC Contractor Co. (Executor of Oil, Gas, Petrochemical & Power Industries)</p>
	Document Title : Material Requisition for Vent Blower		
	Document No. : EI027-000-ED-ME-MR-505	Rev. R2	Page 11 of 16

11.3. No Change

Any change arising from the following but not limited to, shall not create any variation order.

R2

- (a) Compliance with safety or operability requirements
- (b) Error or omission on the part of the EP Contractor

12 SPARE PARTS & SPECIAL TOOLS

12.1. Spare parts for per-commissioning and commissioning.

Spare parts for pre-commissioning and commissioning shall be included in the lump sum price for smooth and safe execution of pre-commissioning and commissioning for blowers. Vendor shall recommend the spare parts list based on his experiences.

Type and quantity of spare parts for start-up specified in "Recommended spare parts" of API 673 2nd edition shall be considered as the basis.

This list shall include the entire scope of the order including auxiliary and control systems.

12.2. Two years Spare parts

Vendor shall recommend the spare parts list based on his experiences. Type and quantity of spare parts for normal maintenance specified in "Recommended spare parts" of API 673 2nd edition shall be typically included.

12.3. Special Tools

Vendor shall specify priced list of special tools required for installation, start-up and normal maintenance at bid stage.



13 GUARANTEE

The Vendor has to guarantee the rated conditions specified on data sheet with zero tolerance on specified flow capacity and head.

Vendor shall also warrant engineering, materials and workmanship of equipment for a period of 18 months after successful start-up or 24 months after shipping. Under this warranty, all materials, parts and assemblies found to be defective during the guarantee period shall be replaced by vendor.

14 DELIVERY LOCATION AND TIME

Vendor shall specify delivery time in weeks and delivery location in the offer at bid stage.



	<p>Toase-che Park Sanati Gohar Ofogh Petrochemical Co.</p> <p>CONCEPTUAL, BASIC and DETAIL DESIGN ENGINEERING OF STYRENE PARK OFFSITE</p>		
	Document Title : Material Requisition for Vent Blower		
	Document No. : EI027-000-ED-ME-MR-505	Rev. R2	Page 12 of 16

ATTACHMENT-1

Deviations / Exceptions





Page 13 of 16



	<p>Toase-che Park Sanati Gohar Ofogh Petrochemical Co.</p> <p>CONCEPTUAL, BASIC and DETAIL DESIGN ENGINEERING OF STYRENE PARK OFFSITE</p>		
	Document Title : Material Requisition for Vent Blower		
	Document No. : EI027-000-ED-ME-MR-505	Rev. R2	Page 14 of 16

ATTACHMENT-2

Required Technical Documentation

	<p>Toase-che Park Sanati Gohar Ofogh Petrochemical Co.</p> <p>CONCEPTUAL, BASIC and DETAIL DESIGN ENGINEERING OF STYRENE PARK OFFSITE</p>		 <p>BINA EPC Contractor Co. (Executor of Oil, Gas, Petrochemical & Power Industries)</p>
	Document Title : Material Requisition for Vent Blower		
	Document No. : EI027-000-ED-ME-MR-505	Rev. R2	

POS.	DESCRIPTION	TIME SCHEDULE (10)			
		For review		Final issue	
		Copies Type (1)	Solar Days (2)	Copies Type (1)	Solar Days (3)
1	LIST OF DOCUMENTS TO BE ISSUED BY THE SUPPLIER	2N + 1E	10	5N+1C	15
2	DELIVERY PROGRAM (BAR CHART)	2N + 1E	15	5N+1C	
3	REFERENCE LIST	At bid stage			
4	DEVIATION AND CLARIFICATION LIST	At bid stage			
5	EQUIPMENT DATA SHEET (BLOWER / ELECTRIC MOTOR / COUPLING / AUXILIARIES...)	2N + 1E	30	2N+1C	15
6	PERFORMANCE CURVES	2N + 1E	30	2N+1C	15
8	GENERAL ARRANGEMENT DWG OF BLOWER	2N + 1E	30	2N+1C	15
9	NOISE DATA SHEET	2N + 1E	45	2N+1C	15
10	COMPOSITE OUTLINE DRAWINGS	2N + 1E	30	2N+1C	15
11	GENERAL ARRANGEMENT OF LUBE OIL CONSOLE (IF ANY)	2N + 1E	45	2N+1C	15
12	FOUNDATION PLANS WITH STATIC/DYNAMIC LOADS, AND BOLTS DETAIL	2N + 1E	35	2N+1C	15
14	LUBE OIL P&ID / CONTROL OIL P&ID(IF ANY)	2N + 1E	45	2N+1C	15
15	WARM-UP SYSTEM DATA AND P&ID	2N + 1E	45	2N+1C	15
16	VIBRATION & TEMPERATURE MONITORING MANUAL ,SCHEMATIC and LIMITATIONS	2N + 1E	(11)	2N+1C	15
17	UTILITIES CONSUMPTION LIST	2N + 1E	20	2N+1C	15
18	ELECTRIC LOAD LIST	2N + 1E	30	2N+1C	15
19	CROSS SECTIONAL DRAWINGS, PART LIST WITH DETAIL DATA	2N + 1E	50	2N+1C	15
22	INSTALLATION MANUAL (12)	2N + 1E	(5)	2N+1C	15
24	PANEL ELECTRICAL SCHEMATIC WITH TERMINAL STRIPS	Deleted			
25	INSTRUMENT LIST WITH LIST OF INSTRUMENT SET POINTS FOR ALARMS AND TRIPS.	2N + 1E	(11)	2N+1C	15
27	JUNCTION BOXES WIRING DIAGRAMS AND J.B. LIST	2N + 1E	(11)	2N+1C	15
29	LUBRICANT LIST	2N + 1E	(5)	2N+1C	15
30	COLD STATE AND HOT STATE ALIGNMENT DATA	2N + 1E	(5)	2N+1C	
31	COMMISSIONING SPARE PARTS LIST	2N + 1E	60	2N+1C	15
32	TWO YEARS OPERATION SPARE PARTS LIST	2N + 1E	60	2N+1C	15
33	CAPITAL SPARE PARTS LIST	2N + 1E	60	2N+1C	15

 <p>پتروشیمی توسعه پارک صنعتی کوهر افاق</p>	<p>Toase-che Park Sanati Gohar Ofogh Petrochemical Co.</p> <p>CONCEPTUAL, BASIC and DETAIL DESIGN ENGINEERING OF STYRENE PARK OFFSITE</p>		 <p>BINA EPC Contractor Co. (Executor of Oil, Gas, Petrochemical & Power Industries)</p>
	Document Title : Material Requisition for Vent Blower		
	Document No. : EI027-000-ED-ME-MR-505		
	Rev. R2	Page 16 of 16	

Page 16 of 16

POS.	DESCRIPTION	TIME SCHEDULE (10)			
		For review		Final issue	
		Copies Type (1)	Solar Days (2)	Copies Type (1)	Solar Days (3)
34	PRESERVATION , PACKAGING, AND SHIPPING PROCEDURE	2N + 1E	(13)	2N+1C	15
35	SPECIAL TOOLS LIST AND LIFTING BEAM (if needed)	2N + 1E	90	2N+1C	15
36	INSPECTION AND TEST PLAN	2N + 1E	20	2N+1C	15
37	WELDING PROCEDURE SPECIFICATION & QUALIFICATION RECORDS	2N + 1E	(9)	5N+1C	15
38	SUB-SUPPLIERS LIST	2N + 1E	30	2N+1C	15
39	OPERATING AND MAINTENANCE MANUALS	2N + 1E	(6)	2N+1C	(6)
41	ELECTRICAL APPROVAL CERTIFICATES FOR INSTRUMENT AND ELECTRICAL MOTOR IN HAZARDOUS AREA(IF ANY)	2N + 1E	(5)	1N+1C	
42	GUARANTEE TERMS AND CONDITION	2N + 1E	(7)	1N+1C	15
43	FOUNDATION PLANS WITH STATIC/DYNAMIC LOADS, AND BOLTS (ARRANGEMENT & DETAIL)	2N + 1E	20	1N+1C	15

NOTES:

- (1): N on mat paper T Typical P Preliminary C on CD E Electronic file
- (2): Starting from order
- (3): Starting from reception of documentation with comments
- (4): From receipt of electric motor
- (5): 1 month before Blower delivery
- (6): INDEX only, complete manual 1 month before delivery
- (7): No later than 2 months after PO
- (8): Shall be submitted 1 week after receipt of inspection release note.
- (9): Four weeks prior to commencement of major production work.
- (10): Time schedule for submission of documents will be finalized with Vendor
- (11): 4 weeks after PID approval
- (12): Only for the main components
- (13): 4 weeks before test