
	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT																			
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DEHDASHT PETROCHEMICAL INDUSTRY COMPANY

DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT

INSPECTION PROCEDURE

DOCUMENT NUMBER
DPIC9812-000-000-PM-PR-0000-0015

D0	04-May-2020	A.H.M	R.Chareh	Honarmandian	E.Kareshki	A.Kaviyan	Issue For Approval
REV	DATE ISSUE	PREPARED	CHECKED	AUTH	PPI	NEC	PURPOSE OF ISSUE
					APPROVED		

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1 Introduction

Execution Dehdasht High-Density Polyethylene (HDPE) Project on EPC scheme has been awarded by Dehdasht Petrochemical Industries Company (DPIC) to the Joint Venture of Petropars Iran and Nargan Engineering company under the leadership of Petropars Iran.

Dehdasht Petrochemical Industries Company (DPIC) desires to establish and operate a High-Density Polyethylene (HDPE) plant in Dehdasht City, Kohgiluyeh and Boyer-Ahmad Province, Iran which is consist of Process units under license of “Basell Polyolefin GmbH”, Utility production facilities and Offsite facilities for producing 300,000 Tons HDPE as 9 different grades of products per year.

Ethylene as the main feeds of complex are supplied from OSBL via pipe lines. All the required Ethylene is delivered via Dena Ethylene pipe line and the other required chemicals such as Buthene-1, Hexane and TEAL are supplied by truck.

The utility units are including Cooling Water Unit, Effluent Treatment Unit, Water Treatment Unit, Air generation unit, Nitrogen generation unit, Steam generation unit, Hydrogen generation unit, and Evaporation pond. In addition, Firefighting system, Fuel storage and Emergency diesel generator are as part of Off-site facilities.

2 PURPOSE AND SCOPE




2.1 Purpose

The aim of this procedure is to describe the general requirements of inspection and tests for equipment and materials to be inspected by EPC CONTRACTOR or its Third Party Inspection Agency in order to ensure compliance of the quality of equipment and materials with PROJECT requirements.

2.2 Scope



This procedure covers inspection requirements of equipment and materials manufactured / Fabricated or supplied by a Vendor to use in the PROJECT.

This procedure doesn't cover construction inspection requirement which be done at construction field.



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3 Terms and definitions



PROJECT	:	Dehdasht High Density Polyethylene Project, Utility and Off-site
CLIENT	:	Dehdasht Petrochemical Industry Company (DPIC)
LICENSOR	:	Basell Polyolefin GmbH
MC	:	Petrochemical Industries Development Management Co. (PIDMCO)
EPC CONTRACTOR	:	Petropars Iran/ Nargan Joint Venture
Vendor	:	“Vendor(s)” shall mean any EPC CONTRACTOR’s and/or Sub CONTRACTOR’s suppliers of materials and vendor representative that maybe required to assist EPC CONTRACTOR and/or CLIENT for the installation, commissioning and start-up, performance tests , etc. of the Plant.
Subcontractor	:	Any company or person, to whom CONTRACTOR has sub contracted performance of any part of the Work.
Purchase Order (PO)	:	The documents and attachments in which the order- in accordance with applicable statutory regulations, codes, standards and the PROJECT specifications -is described and assigned.
Requisition	:	The documents where establishes the several technical and commercial and purchase conditions
SRN	:	Shipping Release Note which shall be issued by Inspection Agency after PSI
TPIA	:	Third Party Inspection Agency which will carry out independent inspection and certification

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- ITP/QCP : Inspection and Test Plan is a document which identifies all Quality Control activities (inspection, examination, tests and etc.) to be performed during fabrication, construction and execution of works prepared by Vendor and approved by CLIENT and CONTRACTOR
- Hold point : An activity designated in the approved ITP/QCP which requires inspection /verification and acceptance by CLIENT/CONTRACTOR before proceeding to any further steps.
: Vendor shall not perform any activities/items beyond a hold point without written approval by CLIENT /CONTRACTOR except when obtaining prior written permission for proceeding to further steps.
- Witness point : An activity designated in the approved ITP/QCP which requires witnessing by CLIENT /CONTRACTOR as the activity will be performed after proper notification has been provided.
: Vendor is not obliged to hold further processing, if CLIENT /CONTRACTOR doesn't show up for witness the activity or does not provide the comments before the date notified
- Spot Witness : An activity designated in the approved ITP/QCP which requires spot/random inspection or spot/random examination in accordance with the relative procedure. Work may proceed through the designated spot witness point if the inspector is not present for the previously established activity.
- Review : It is processed through reviewing any results of inspection or test as a method of ensuring that the inspection or test is performed in accordance with any approved drawing, procedure, specifications or acceptance criteria. (Certificates)

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- Material Test Certificate (Mill Test Certificate) : A document generated by a Vendor of material which provides and attests to the results of tests on the material actually supplied, readily identifiable to, and recording the conformity of the material with the requirements of the Code, Standard or Specifications given in the purchase order.
- Original Certificate : The actual certificate which was issued by the source manufacturer of the material and which bears the original stamps, signatures or endorsements of all relevant parties.
- Certified Copy : A copy of the original certificate which has been verified against the original by either the Originator, the Certification Authority, an inspector appointed by CONTRACTOR, or an independent inspector acceptable to CLIENT acting on behalf of the Vendor, and which bears their original red stamp and signature.
- PSI : Pre-Shipment Inspection
- Source : Original place of manufacturer of the material.
- PIM : Pre-Inspection Meeting
- MCC : Manufacture Certificate of compliance
- PL : Packing List
- IRN : Inspection Release Note
- MDR : Manufacturer's Data Records

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4 Normative references

PROJECT Quality Plan
Vendor Shop Quality Control Procedure
Non Conformance Procedure

5 Conflict Requirement and Document Priority

The Vendor shall notify the EPC CONTRACTOR of any apparent conflict between this specification, the related data sheets, the codes and standards and any other specification noted herein. Resolution and/or interpretation shall be obtained from EPC CONTRACTOR in writing before proceeding with the design/manufacture. EPC CONTRACTOR will reserve the right to select the most stringent option in particular when the matter refers to safety.



In the case of conflict between documents relating to the inquiry or order, the following priority of documents shall apply:

- i. Purchase Order
- ii. Requisition
- iii. Vendor Shop Quality Control Requirements
- iv. Inspection procedure (this procedure)
- v. Vendor Fabrication Procedure approved by EPC CONTRACTOR engineering/consultant
- vi. Other reference Codes and Standards

6 Responsibilities

6.1 EPC CONTRACTOR



- a. Coordination of QC related matters between EPC CONTRACTOR, TPIA, and Vendor
- b. Participation in Pre-Inspection Meeting, as required
- c. Register and follow up the NCR in fabrication
- d. Performing inspection and testing
- e. Reviewing test record prepared by Vendor at each of his visits
- f. Reviewing MCC and PL
- g. Reviewing Vendor's NDE personnel's qualification records
- h. Reviewing Manufacturer's Data Records (MDR)

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- i. Preparation and issuance of Inspection Release Note (IRN)
- j. Notification of non-conformities to interested parties
- k. Reviewing Vendor's QC-related documents, such as ITP/QCP, WPS and PQR, inspection, fabrication, and NDE procedure
- l. Ensuring the quality and credibility of the documents required to conduct inspections
- m. Conducting pre-inspection meeting

6.2 Vendor



- a. Vendor shall be responsible to perform all inspection and tests required for the equipment and materials which shall be fabricated or supplied in accordance with data sheets, PROJECT Specifications, applicable codes and standards, Requisition and Purchase Order requirements
- b. The EPC CONTRACTOR's Inspection Release Note shall not relieve the Vendor of any responsibility or liability to provide quality control and inspection of the equipment and materials for assurance that the Purchase order requirements are met even if defective design, material or workmanship is discovered later.
- c. Vendor shall be responsible to monitor/inspect Sub-Vendor inspection and test activities to ensure full compliance to relevant PROJECT specifications and this procedure.
- d. Vendor shall be responsible to provide information and tools which related to inspection for EPC CONTRACTOR and CLIENT inspectors, free of charge.
- e. In some cases the precise extent and scope of inspection (other than those defined in PROJECT requirements and ITP) should be defined by Vendors and to be negotiated with EPC CONTRACTOR for clarification /approval.
- f. Vendor shall be responsible for providing required quality document during the purchasing and procurement activities.
- g. Vendor shall grant EPC CONTRACTOR'S, TPIA and CLIENT'S inspector free access to Vendor's/ Sub-Vendor's shop or plant to verify progress and to witness inspection & test activities of related equipment/materials.
- h. Vendor shall be responsible for inspection/test of the equipment and materials including parts supplied by sub-Vendors, and for submittal of Vendor document package of sub-Vendor items.

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- i. Vendor shall ensure that material/part used by sub-Vendor are purchased only from acceptable sources according to PROJECT approved Vendor list and purchase specification. Quality documents of Sub-Vendor's items shall be reviewed by designated inspector of CLIENT /TPIA/EPC CONTRACTOR during visiting Vendor's shop for inspection & test witness.
- j. Vendor shall offer not only inspection & test measuring tool but also assistant manpower and facility to decrease inspection time.
- k. All inspection & test measuring tools shall be calibrated with valid calibration certificate and recorded on control log by Vendor
- l. During visiting Vendor's shop for inspection & test activities, designated inspectors of CLIENT and EPC CONTRACTOR can carry out spot audits jointly with Vendor's inspector to assure that all work of Vendor is being performed in accordance with Vendor QA/QC manual.
- m. The language used in all document, data and forms for inspection/test shall be English/Persian, if not specified specially.
- n. Inspection by EPC CONTRACTOR shall not relieve the Vendor of its obligation for quality control activities and guarantee for workmanship or performance of equipment.
- o. Safety Vendor is to provide a safe working environment for CLIENT/TPIA/ EPC CONTRACTOR's inspector(s) and to alert them of potential hazards.
- p. Test Facility Necessary equipment, tools and facilities required for specified inspection or tests shall be provided to the CLIENT/TPIA/ EPC CONTRACTOR's inspector(s) by Vendor free of charge.
- q. Vendor shall submit AFI for Pre-shipment inspection along with signed and stamped MCC, PL and detailed packing list.

7 Inspection Workflow

- a. Inspection to be carried out in strict accordance to clauses of ITP in its final and approved release. The procedures listed in ITP must be available for the test along with suitable forms (showing clearly the acceptance criteria) where measures are written, recorded and countersigned with signature, stamp and date.
- b. In order to assure that the equipment and materials conform to the requisition, specifications, Code, and other related documents, Vendor shall perform

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inspection and tests during fabrication/manufacturing of equipment and materials at the Vendor and his Sub-Vendor shop whenever necessary.

- c. Vendor shall submit to EPC CONTRACTOR their inspection procedures (including those of their sub-Vendors) and ITP/QCP for EPC CONTRACTOR's approval as required in the purchase order.
- d. EPC CONTRACTOR shall have the right to review the inspection /test records or other quality related documents of any equipment or materials.
- e. EPC CONTRACTOR's Inspector, TPIA and CLIENT will perform the inspection where required and defined in the ITP/QCP.
- f. EPC CONTRACTOR and CLIENT's approval resulting from such inspection shall not relieve Vendor of his responsibilities or obligation, to meet all requirements specified in requisition and specifications attached to the Purchase Order.
- g. EPC CONTRACTOR/CLIENT reserve the right for free access at all reasonable time to the shops where fabrication or inspection and testing on the equipment and materials is being performed.
- h. Vendor shall provide with necessary equipment calibrated instruments, facilities, and skilled Personnel for specified inspection and test to EPC CONTRACTOR/CLIENT's Inspector at Vendor's cost.

7.1 WORK CONTROL

Flowchart of inspection is shown in attachment 5.



a. General Requirements

Vendor shall bear any additional costs due to delays that may occur, attributable to Vendor, e.g., lack of readiness to perform the test on the proposed date.

Such inspection shall not release the Vendor from performing its own inspection and quality control programs. Vendor shall incorporate all inspection certificates and/or compliance certificates in Vendor's final documentation.

b. Vendor's Inspector

EPC CONTRACTOR will review and evaluate the professional backgrounds of Vendor's inspectors to ensure their qualification and skill, as required. EPC CONTRACTOR has right to

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replace the Vendor's inspector with new qualified inspector if the EPC CONTRACTOR judges poor performance done by the Vendor's inspector.

Vendor's Inspector shall adhere to its ITP approved by EPC CONTRACTOR to ensure implementation of all inspection requirements during fabrication stage .Conversely EPC CONTRACTOR's inspector duty is to monitor and check Vendor activities compliance thereof.

7.2 INSPECTION AND TEST

a. Submission of Vendor's ITP and Inspection and Test Procedures

Vendor shall submit ITP and detailed inspection and test procedures to EPC CONTRACTOR based on the requirements specified in Requisition for the EPC CONTRACTOR approval before PIM / start of fabrication. Refer to inspection procedure for more detail.

b. Contents of Vendor's ITP, Inspection and Test Procedures

❖ Vendor's ITP

Detailed ITP/QCP shall consist of the following, but not limited to:

- Items
- Reference Procedure
- Acceptance Criteria
- Test frequency
- Inspection and Test Report/Data to be submitted
- Witness breakdown by Vendor and EPC CONTRACTOR/ CLIENT (TPIA where applicable)

Any changes and deviations from the PROJECT requirements are subject to written Approval by EPC CONTRACTOR.



Following terms to be used in ITP/QCP:

Hold point, Witness point, Spot witness, Review

Refer to "terms and definition" for more detail.

7.3 Code Inspection

When any code inspection required, such as statutory inspection, governmental regulation as specified in the requisitions, Vendor shall arrange necessary work for obtaining relevant

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certificates from the appropriate authority at his responsibility and cost, unless otherwise specified.

7.4 Witness Inspection and Tests

ITP/QCP shows minimum inspection and test requirements to be witnessed by EPC CONTRACTOR, TPIA and CLIENT. This plan is complementary to any requirements that may also be specified in the individual purchase order requirements.

Regardless of this ITP/QCP, CLIENT/EPC CONTRACTOR reserves the right to witness inspection for all the equipment and materials are subject to inspection .

The test activities and extent of inspection for the equipment and materials not listed in General ITP for procurement and this Procedure shall be based on the Vendor's inspection procedure approved by EPC CONTRACTOR.

7.5 Inspection Activities during Manufacturing

a. General

Upon receiving Vendor's Application for Inspection (AFI), EPC CONTRACTOR's inspector shall witness and review the items specified in accordance with the purchase order and approved ITP/QCP.

EPC CONTRACTOR's inspector, however, may visit the Vendor's shop for checking the Vendor's quality control and correctness of fabrication without the Vendor's application.



b. Inspection Visit

CLIENT/EPC CONTRACTOR's Inspector shall check and evaluate the Vendor's quality control, correctness of fabrication procedures and the adequacy of the Vendor's performance during his visit.

c. Notice of Inspection Date

Vendor will submit Application for Inspection (AFI) according to the following steps so that EPC CONTRACTOR's representative can fix his itinerary and arrange his visit.

Vendor shall notify EPC CONTRACTOR of inspection date by the "Application for Inspection" (Attachment-1) in accordance with ITP/QCP, which should reach EPC CONTRACTOR at least

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14 working days in advance for foreign procurements and at least 7 working days in advance for local procurements to confirm attendance.

If notification is made on time, but CLIENT does not elect to participate (in writing), EPC CONTRACTOR shall perform the inspection and testing without presence of CLIENT's representative(s) and certify the result thereof.

However, in case of "Hold" point, Vendor cannot proceed unless he has obtained a waiver in writing from EPC CONTRACTOR

When any change of inspection date occurs for some reason, EPC CONTRACTOR shall promptly notify CLIENT of the revised inspection date.

CLIENT's inspection:

CLIENT may accompany EPC CONTRACTOR's inspector to monitor selected inspection items.

CLIENT will advise EPC CONTRACTOR of their inspection plan in advance so that EPC CONTRACTOR can arrange the visit with the Vendors.

CLIENT may request EPC CONTRACTOR to do such inspection by TPIA instead of CLIENT.



Nevertheless the responsibility for the inspection and tests made to the equipment and materials shall remain with EPC CONTRACTOR.

d. Application for Inspection and Waived Inspection Points

Vendor shall submit Application for Inspection for Hold, and Witness points according to the following steps so that EPC CONTRACTOR's representative can fix his itinerary. Vendor shall notify EPC CONTRACTOR of firmed inspection date by the "Application for Inspection" (Attachment-1) in accordance with ITP, which should receive to EPC CONTRACTOR.

When inspection is out of IRAN, Vendor shall supply EPC CONTRACTOR with a minimum of 14 working days prior notification of inspection visit. For local inspection vendor shall submit inspection notification at least 7 working days in advance. Application for inspection shall include the following information (as a minimum):

1. Commodity Name
2. P.O. No. / Item No.
3. Kind of Inspection/Test Items
4. Inspection Date and Time
5. Inspection Location (where inspection/test is undertaken)
6. Person in Charge with Name of Vendor/Manufacturer
7. Telephone No. / E-mail address.

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8. Inspection Procedure No. and approval status
9. ITP/QCP No. and approval status
10. MR NO.

CLIENT and/or EPC CONTRACTOR may waive the inspection and tests for the application for inspection given by Vendor. In such case, EPC CONTRACTOR will notify Vendor accordingly. If notification is made on time, but CLIENT does not delegate its representative(s), the EPC CONTRACTOR shall perform the inspection and test without presence of CLIENT's representative and certify the results thereof. When any change of inspection date occurs for some reason, Vendor shall promptly notify CONTRACTOR of the revised inspection. Re-Inspection and Re-Testing.

If any inspections and/or tests show that any part of the work has not been performed in accordance with the CONTRACT requirements, Vendor, after notify the EPC CONTRACTOR, shall immediately correct the defects and shall repeat the inspection and/or tests until they show the defects have been put right. In such a case, Vendor shall bear, with respect to costs and time schedule, all the consequences of the correction of the defects and associated re-inspection and tests.



At any time during the performance of the work, EPC CONTRACTOR shall have the right to instruct Vendor to perform re-examination of any parts of the work and Vendor shall re-inspect and/or re-test such parts of the work as instructed by EPC CONTRACTOR.

e. Inspection Report

Inspection Reports for all inspection including Hold, Witness and Spot Witness points shall be issued and submitted to EPC CONTRACTOR within the two (2) working days following the end of inspection.

Inspection report shall include the following information (as a minimum):

1. P.O. No.
2. MR. No.
3. Place and date of inspection
4. Vendor , EPC CONTRACTOR / CLIENT inspector and third party Inspector's name
5. ITP No.
6. Inspection Procedure No.
7. Request No.

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8. materials / Equipment inspected,
9. nature of inspection and tests performed,
10. quantity accepted,
11. quantity rejected with reasons,
12. all information about progress, quality, quantity, aspect
13. Result
14. Non-conformity (if any)
15. Inspection release note, if applicable
16. Type of inspection and tests performed
17. Pictures

f. Non-Conformance Control

Vendor shall submit a non-conformance report immediately to EPC CONTRACTOR for approval, if any non-conformity were found during inspection and tests or fabrication. (Refer to Non Conformance Procedure).



EPC CONTRACTOR shall bring all Non-conformity to the attention of CLIENT for its approval (for major Non-conformance), which shall include recommended corrective action.

When any non-conformance report are issued, Vendor shall not proceed with their work until getting written approval from EPC CONTRACTOR against its disposition plan.

7.6 Manufacturer's Certificate of Compliance (MCC)

Vendor shall issue, sign and stamp Certificate of Compliance using form shown in Attachment -2 to specify relevant equipment and materials for each Purchase Order, if they:

- conform to Purchase Order requirements,
- have no irremediable nor injurious defects,
- have completed necessary fabrication/manufacturing, inspection and testing work according to approved ITP,
- have completed necessary documentation work,

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7.7 Inspection Release Note (IRN)



1. EPC CONTRACTOR's Inspection Release Note (Attachment -3):
Vendor's inspection and test records, reports and certificates shall be submitted to CONTRACTOR's inspector for review. After that, EPC CONTRACTOR's inspector shall issue Inspection Release Note to Vendor if the following conditions are met:
 - Vendor issued Certificate of Compliance
 - All witness and hold points inspection required by the approved ITP/QCP were completed.
 - Non-Conformance was remedied and the results were confirmed by EPC CONTRACTOR.
 - Reviewing Vendor's inspection and test records (MDR)
2. Any discrepancies between the equipment and materials and Purchase Order shall be promptly reported to EPC CONTRACTOR. The Inspection Release Note will not be issued until such discrepancies shall be clarified and solved.

7.8 Pre-Shipment Inspection (PSI)

- a. Pre-Shipment Inspection (PSI) for all equipment and materials procured by EPC CONTRACTOR shall be performed by TPIA nominated by CLIENT at Vendor's shop after completion of packing which is made after satisfactory final inspection performed by EPC CONTRACTOR.
- b. Vendor shall submit application for PSI to EPC CONTRACTOR at least 14 working days in advance for foreign procurements and at least 7 working days in advance for local procurements to confirm attendance.
- c. Vendor shall not go forward to shipping without TPIA's Release Note.
- d. Delay in shipment due to PSI reject does not relieve Vendor of its responsibility for the delivery of commodities.

TPIA will check and confirm the following points:

- Quantity check of items with packing list
- Shipping mark
- Packing condition

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Vendor shall provide TPIA with below documents at Pre-Shipment Inspection (PSI) stage:




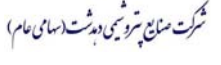
- MCC issued, signed and stamped by Vendor
- IRN issued by EPC CONTRACTOR
- Packing list and detailed Packing list (with original Sign and Stamp)
- Purchase Order including item list

7.9 Manufacturer's Data Records (MDRs)



All inspection and test records performed by the Vendor shall be presented to the EPC CONTRACTOR's inspector for his review when he visits shop for inspection and will be compiled into Manufacturer's Data Records at the completion of fabrication or manufacturing.

Within ten (10) days from the date of the final shipment, Vendor shall submit to EPC CONTRACTOR necessary numbers of the Manufacturer's Data Records written in English with identification and traceability in bookbinding file as required in the purchase order.

As a minimum, the following items shall be included in the Vendor's MDRs:

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MDR LIST
Material Summary List
Material Certificate
ITP
WPS/PQR as well as Welding map and NDT map
Welder & Operators Qualification records
NDE Operators Qualification
NDE Report & Procedure VT <input type="checkbox"/> DT <input type="checkbox"/> PT <input type="checkbox"/> MT <input type="checkbox"/> UT <input type="checkbox"/> RT <input type="checkbox"/>
Heat Treatment Char <input type="checkbox"/> Procedur <input type="checkbox"/>
Calibration Certificates
PMI Procedure <input type="checkbox"/> Report <input type="checkbox"/>
Pressure Test Procedure <input type="checkbox"/> Records <input type="checkbox"/>
Mechanical Running Test Procedure <input type="checkbox"/> Records <input type="checkbox"/>
Functional Test Procedure <input type="checkbox"/> Records <input type="checkbox"/>
Performance Test Procedure <input type="checkbox"/> Records <input type="checkbox"/>
Name Plate Rubbing / Stamp Rubbing
Painting / coating Inspection Procedure <input type="checkbox"/> Records <input type="checkbox"/>
Other inspection and test procedure and records as specified in ITP and VPIS.....
Manufacturer's Certificate of Compliance (MCC)
EPC CONTRACTOR's Inspection Note (IRN)
Packing list
TPIA's Release Note

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7.10 Calibration Control

- a. Vendor shall define measurement points, accuracy and scope of measurement required, and selection of appropriate equipment and provided equipment.
- b. Vendor shall establish methods of calibration, adjustment, and interval of calibration.
- c. Vendor shall control equipment by attaching a suitable indicator to show calibration status, and maintain calibration record. The equipment shall be subject to re.-calibration when EPC CONTRACTOR's inspector deems it necessary.
- d. EPC CONTRACTOR's inspector will review the Vendor's procedure of calibration of measuring and test equipment.
- e. All instruments shall have current valid calibration certificates.



8 Inspection Levels

8.1 Definition of Inspection Levels

8.1.1 LEVEL I (Highest)

Inspection Level I is defined as a full stage inspection carried out progressively from commencement of manufacturing to final acceptance. This does not normally mean full-time witnessed in-line inspection during product manufacturing; however, this may be required on occasions where work program demands regular attendance. This shall include;

- Review/witnessing of source material's chemical and physical properties including metallurgical enhancement and traceability to approved certification level.
- Verify the use of qualified welders and qualified welding procedure.
- Monitor manufacturer's assembly, fabrication and erection and all prescribed tests.
- Check on materials, material traceability, dimensions and finishes. - Scrutinize manufacturer's quality assurance/quality control system.
- Review/audit witness of non-destructive examinations including alloy verification if required. Ensuring that personnel are qualified to perform these examinations.
- Witness all pressure and performance tests followed by inspection of disassembled equipment, if applicable.



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- Review/Witness all major tests required by APPROVED QA/QC VENDOR documents, including on and off load tests of machinery or type tests of electrical equipment as required.
- Final visual and dimensional inspection of equipment.
- Review of final data book package in accordance with approved index.
- Verify packing and marking identifications.
- Issue of Final Release Certificate(s).

8.1.2 LEVEL II

Inspection Level II is defined as specific stage inspection of equipment and final inspection of equipment prior to shipment. Stages of inspection shall be agreed upon during a pre-inspection meeting to be held with the Vendor after purchase award and shall include:

- Scrutinize material test certificates
- Check at random of materials, dimensions, and finishes
- Monitor specific tests and stage inspections
- Auditing of the Vendor's quality control program.
- Witnessing final pressure and workshop performance testing including on and off load tests as applicable and simulation of automatisms, followed by inspection of disassembled equipment if required.
- Final visual and dimensional inspection
- Review data book package in accordance with approved index.
- Verification of packing and marking.
- Issue of Final Release Certificate(s).

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8.1.3 LEVEL III

Inspection level III is defined as final condition or as built examination(s) and test(s). Inspection may be on one or more pieces of equipment or on a random batch selection and shall include:

- Review all quality control records for conformance.
- Witness final pressure and workshop performance testing including running tests, following by inspection of disassembled equipment, if required - Final visual, dimensional and painting inspection.
- Review data book package in accordance with approved index.
- Verify packing and marking identification.
- Issue of Final Release Certificate(s).

8.1.4 LEVEL IV (Lowest)



Inspection Level IV is defined as the review and acceptance/endorsement of manufacturer attestation, including any data book requirements to approval index.

The EPC CONTRACTOR shall perform as minimum three inspections according to classified criticality level during manufacturing of The EPC CONTRACTOR Items and. In case of equipment and/or materials delayed progress, The EPC CONTRACTOR shall perform further inspection.

9 Inspection Visit Frequency

9.1 General

EPC CONTRACTOR shall perform inspection visits in Vendor's shops, as well as in their Sub-Vendors shops, at specific stages of equipment fabrication, assembly, testing, painting and packing. Such specific inspection stages are to be determined for each category of equipment in accordance with the finalized/approved inspection and test plan which identifies all inspection,

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NDT witnessing, and witness testing points applicable to all phases of fabrication, assembly and testing.

In addition to specific inspection visits, EPC CONTRACTOR shall also conduct regular in process inspection visits in accordance with the frequencies indicated hereafter which are to be understood as minimum frequencies to be applied to each component of each equipment item. Such frequencies are intended to cover inspection visits by professional inspectors only. EPC CONTRACTOR shall not combine inspection and expediting functions, nor have them performed by the same individual.




- Class I : Regular inspection visits shall be conducted at least once every three weeks
- Class II : Regular inspection visits shall be conducted at least once every month
- Class III : Regular inspection visits shall be conducted at least once every six weeks
- Class IV : Inspection visits at specific stages only

General Note:




At EPC CONTRACTOR's discretion, specific Level I items may require full time attendance by resident inspector.

9.2 Allocation of Inspection Classes to Equipment & Materials



Note: The descriptions of equipment and materials to be inspected are general.

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<i>ITEMS OF EQUIPMENT & MATERIALS TO BE INSPECTED</i>					
ITEM NO.	DESCRIPTION	INSPECTION CLASS			
		I	II	III	IV
1.0	PRESSURE VESSELS				
	<i>1.1 Process, Injection, Accumulator drum, and pressurized storage vessels; BS5500 and ASME VIII, Div.2; ASME VIII, Div1 for design pressure and temperature conditions.</i>				
	- 80 bar.g or greater		<u>X</u>		
	- less than 80 bar.g to 30 bar.g		<u>X</u>		
	- less than 30 bar.g (except vacuum) and less than 340°C to 0 °C		<u>X</u>		
	- less than 30 bar.g and above 340°C		<u>X</u>		
	- less than 30 bar.g and below 0°C		<u>X</u>		
	- under vacuum		<u>X</u>		
	<i>1.2 Reactor Vessels, Driers, Columns</i>		<u>X</u>		
	<i>1.3 Impact tested carbon and low alloy steels, Hi Ni steel and austenitic stainless steels, Inconel lined</i>		<u>X</u>		
	<i>1.4 All services in low and cryogenic design temperatures</i>		<u>X</u>		
	<i>1.5 Non-ferrous Alloy Vessels</i>		<u>X</u>		
	<i>1.6 Cladded Vessels</i>		<u>X</u>		
	<i>1.7 Lined Vessels, rubber or epoxy coating</i>		<u>X</u>		
	<i>1.8 Slug-Catchers</i>		<u>X</u>		
2.0	ATMOSPHERIC PRESSURE STORAGE TANKS				
	<i>2.1 Field fabricated carbon steel:</i>				
	- 25mm or greater		<u>X</u>		
	- Less than 25mm		<u>X</u>		
	- impact tested carbon and low alloy steel, Hi Ni steel, S.S. and non-ferrous alloys		<u>X</u>		
	<i>2.2 Shop fabricated</i>				
	- carbon steel 35mm and greater		<u>X</u>		
	- less than 35mm		<u>X</u>		
	- fiberglass, lined, rubber or epoxy coated			<u>X</u>	
	- alloy steels and non-ferrous alloys		<u>X</u>		

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<i>ITEMS OF EQUIPMENT & MATERIALS TO BE INSPECTED</i>					
ITEM NO.	DESCRIPTION	INSPECTION CLASS			
		I	II	III	IV
3.0	BOILERS, FURNACES, BURNERS				
	<i>3.1 Boilers, furnaces, burners, fired heaters</i>		<u>X</u>		
	<i>3.2 Flares and Burners</i>		<u>X</u>		
	<i>3.3 Waste heat recovery boilers</i>		<u>X</u>		
	<i>3.4 Deaerators and steam drums</i>		<u>X</u>		
4.0	EXCHANGERS				
	<i>4.1 Shell and Tube for service:</i>				
	- 40 bar.g or greater		<u>X</u>		
	- 1250 mm bundle dia. or greater		<u>X</u>		
	- less than 40 bar.g or 1250mm bundle dia.		<u>X</u>		
	- low temperature (less than 0°C)		<u>X</u>		
	- alloy or non-ferrous, or clad		<u>X</u>		
	- SOUR service		<u>X</u>		
	- Cold Box		<u>X</u>		
	<i>4.2 Air coolers</i>				
	- headers, tube-bundles, fins		<u>X</u>		
	- fans, motors, plenums, etc.			<u>X</u>	
	<i>4.3 Double pipe, plate frame, spiral</i>		<u>X</u>		
	<i>4.4 Plate fin(core) exchangers</i>		<u>X</u>		
	<i>4.5 Cryogenic Exchangers</i>		<u>X</u>		
	<i>4.6 Cold Box</i>		<u>X</u>		

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<i>ITEMS OF EQUIPMENT & MATERIALS TO BE INSPECTED</i>					
ITEM NO.	DESCRIPTION	INSPECTION CLASS			
		I	II	III	IV
6.0	<i>PIPING AND PIPING MATERIALS</i>				
	<i>6.1 Piping:</i>				
	- impact tested carbon and low alloy steel, austenitic stainless steel and Inconel 625/ Inconel 825		X		
	- other piping			X	
	<i>6.2 Pipe flanges, fitting and valves:</i>				
	- impact tested carbon and low alloy steel, austenitic stainless steel and Inconel 625/ Inconel 825		X		
	- other flanges , fittings and valves			X	
	<i>6.3 Pipe supports, saddles, etc.</i>				
	- cryogenic temperatures		X		
	- other services				X
	<i>6.4 Metal bellow expansion joints</i>				
	- cryogenic temperatures		X		
	- other services				X
	<i>6.5 Bimetallic transition joints</i>			X	

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<i>ITEMS OF EQUIPMENT & MATERIALS TO BE INSPECTED</i>					
ITEM NO.	DESCRIPTION	INSPECTION CLASS			
		I	II	III	IV
7.0	SPECIAL EQUIPMENT				
	7.1 Process and utilities filter and strainers		X		
	7.2 Effluent treatment units		X		
	7.3 Chlorination package units		X		
	7.4 Desalination units		X		
	7.5 Nitrogen generation	X			
	7.6 Flare system incl. tips + ignition		X		
	7.7 Refrigeration units (HVAC)			X	
	7.8 Water treatment units		X		
	7.9 Incinerators		X		
	7.10 Chemical injection units		X		
	7.11 Sulphur granulation handling		X		
	7.12 Exhaust stacks		X		
	7.13 Lubricants, chemicals, resins, catalysts				X
	7.14 Overhead cranes, hoists		X		
	7.15 Lifting and Mobile Vehicles			X	
	7.16 Water maker (portable)			X	
	7.17 MEG/TEG Unit	X			
	7.18 Hydraulic power unit		X		

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<i>ITEMS OF EQUIPMENT & MATERIALS TO BE INSPECTED</i>					
ITEM NO.	DESCRIPTION	INSPECTION CLASS			
		I	II	III	IV
10.0	ELECTRICAL				
	10.1 Switch Gear			X	
	10.2 Motor control centers			X	
	10.3 Transformers:				
	- 22Kv and higher or 300 kVA and above capacity			X	
	- Less than 300 kVA capacity (low voltage)				X
	10.4 Motors:				
	- 150kW and above rating		X		
	- Less than 150kW rating			X	
	- Emergency Generators		X		
	10.5 Un-interruptible power supplies			X	
	10.6 Cables:				
	- Power rated voltage 1kV and above			X	
	- less than 1kV rating				X
	10.7 Control Relay panels		X		
	10.8 Lighting fittings, junction boxes lighting and small panel, etc.				X
	10.9 Batteries, chargers and distribution boards			X	
	10.10 Power distribution Control System		X		
	10.11 Emergency Generators		X		
	10.12 Air navigation aid beacons			X	
	10.13 Cable trays/cable ladders				X
	10.14 Bus bar Trunking				X

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<i>ITEMS OF EQUIPMENT & MATERIALS TO BE INSPECTED</i>					
ITEM NO.	DESCRIPTION	INSPECTION CLASS			
		I	II	III	IV
11.0	TELECOMMS				
	<i>Telecommunication equipment</i>				
	- PA Systems			X	
	- Telephone PABX			X	
	- Intercommunication system			X	
	- Radio systems, CCTV			X	
	- Others			X	
				X	
12.0	INSTRUMENTATION				
	12.1 Safety system PLCs (ESD, PSS, FG)		X		
	12.2 Control panels			X	
	12.3 Analyzers			X	
	12.4 Control valves/safety valves			X	
	12.5 Controllers, transmitters, recorders, etc.				X
	12.6 Gauges, pressure switches				X
	12.7 Audio, visual alarming system			X	
	12.8 Metering and Tank gauging systems			X	
	12.9 Pressure control regulating skids			X	
	12.10 Flowmeters, indicators(non- electrical)				X
	12.11 DCS/Supervisory computers		X		
	12.12 Gas chromatograph, sample conditioning systems, prefab. shelters		X		
	12.13 Cables-fiber optic cable			X	
13.0	MISCELLANEOUS				
	13.1 Equipment, materials or components not listed above			X	

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10 Material and Equipment Certification

10.1 Application

This part applies to the documentary certification requirement just for equipment which purchased fully fabricated; hence in-progress inspection and supervision were not possible.

Nevertheless for raw materials and bulk items, requirements of this part shall be fully implemented.

The aim of this part is to lay down the minimum acceptable standards for the format, nature and content of the certification supplied. In case of discrepancy and for omission and/or lack of information between this part and the norm EN 10204 and PROJECT specification, PROJECT specifications and norm EN 10204 will prevail.



10.2 Certification Type

Material certification shall be provided for all purchased items in accordance with the specific requirements of the purchase order. A matrix of certification Type against various materials and equipment is provided in this Chapter and certification Types quoted therein are defined below.

NOTE: All materials testing certificates shall be issued by a relevant authority as per EN 10204 (2004) requirements addressed in certification matrix. Vendor is responsible to follow exactly the aforesaid certification requirements by his cost.

TYPE A – EN 10 204 “3.2”

Document prepared by both the manufacturer authorized inspection representative, independent of manufacturing department and either the purchaser authorized inspection representative or the inspector designated by the official regulation and in which they declare the products supplied are in compliance with requirements of the order and in which test result are supplied.

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It shall be permissible for manufacturer to transfer on to the inspection certificate 3.2 relevant test results obtained by specific inspection on primary or incoming products he uses, provided that the manufacturer operates traceability procedure and can provide the corresponding inspection documents required.

TYPE B – EN 10 204 “3.1”

Document issued by the manufacturer in which he declares that the product supplied are in compliance with the requirements of the order and in which he supplies test results. The test unit and the test to be carried out defined by the product specification the official regulation and corresponding rules and / or the order.

The document is validated by the manufacturers authorized inspection representatives independent of the manufacturing department.

It shall be permissible for manufacturer to transfer on to the inspection certificate 3.1 relevant test results obtained by specific inspection on primary or incoming products he uses, provided that the manufacturer operates traceability procedure and can provide the corresponding inspection documents required.

TYPE C – EN 10 204 “2.2”



Document in which the manufacturer declares that the product supplied are in compliance with the requirement of the order and in which he supplies test result based on non-specific inspection.

TYPE D – EN 10 204 “2.1”

Document in which the manufacturer declares that the product supplied are in compliance with the requirement of the order, without inclusion of test results.

TYPE E – Type Approval

Certificates of type approval, type test and proof test.

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10.3 Documentation

10.3.1 General

A material certificate shall be provided for each discrete piece or item of material or equipment. Where a number or pieces have identical batch number, heat/cast number, test number, and were manufactured at the same process and for the same purchase order item, then they may be recorded on a single certificate. Material certificates shall be the original documents except as subsequently defined.

For TYPE A and TYPE B applications, the material certificate supplied shall be the original document or a verified copy.

For materials where mechanical properties may have changed as result of subsequent processing, the certificates issued by the Vendor shall be in accordance with TYPE B and shall contain source chemical analysis and manufacturer's check analysis. Any transcription of the source material chemical analysis on to the Vendor's certificate shall be accompanied by the original or a verified copy thereof.

'Stockiest' certificates and 'typical' certificates are unacceptable.

Certificates and letters of conformity shall be signed by an authorized representative of the Vender's Quality Department.



10.3.2 Document Quality

All certificates shall be typed or printed. Handwritten certificates are unacceptable.

All certificates shall be in English/Persian language. Where this is not possible a notarized translation shall be provided.

All certificates shall be free from additions, deletions and corrections. The use of correction fluid is unacceptable.

All certificates shall be of a clear, well contrasted and legible quality suitable for photocopying, or electronic imaging.

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Each certificate shall carry as a minimum:

- Quantity of each item
- Tag/Identification number (as applicable)
- Vendor's name and address
- Signature of authority - Vendor's verification signature and additionally , where appropriate;
- Applicable manufacturing code, standard or specification
- Quality of material supplied against the order
- Material/equipment description
- Certificate number
- Relevant test data
- Heat, cost and batch number
- Vendor's serial number
- Certification Authority endorsement



10.4 Material Test, Type Test (Proof Test & Type Approval Certificates)

10.4.1 General Requirements

In addition to the certification listed in clause 8.4.2, all equipment and materials released from Vendor shall be accompanied by a copy (or copies) of;

- a) EPC CONTRACTOR'S Inspection Release Note.
- b) The certificate of conformity from the Vendor (Type D certificate) stating compliance with the applicable Order requirements. (MCC)
- c) Material test certificates for all items to be welded on field.
- d) Outstanding work lists and QC punch listed items to be completed on field by the Vendor and/or EPC CONTRACTOR.
- e) Handling procedure, if required.
- f) Packing, unpacking, storage and preservation procedure.
- g) Lubrication schedule (as appropriate).

Full details of the certification requirements of the Order are to be given in each Requisition.

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10.4.2 Specific Requirement

10.4.2.1 General

- a) Unless otherwise specified or required by code or regulation, type test and type approval certificates shall be issued by an accredited independent test laboratory or authority acceptable to EPC CONTRACTOR and the Certification Authority. It shall be the Vendor's responsibility to determine the acceptability or other wise to the Certification Authority of the test laboratory or authority proposed.
- b) Type test & type approval certificates shall be issued directly to the equipment Vendor by an accredited authority acceptable to EPC CONTRACTOR and the Certification Authority.
- c) Type test and type approval certificates, together with any associated manufacturing licenses, shall be in date at the time of dispatch of the material/ equipment to EPC CONTRACTOR.
- d) The list of material test, type test, type approval and proof test requirements which follow is not exhaustive. It shall be the Vendor's responsibility to be aware of the requirements of the codes, standards and specifications which apply to the order, and to implement them accordingly. Where doubt exists, Vendor shall seek guidance from EPC CONTRACTOR.

10.4.2.2 Special Category Steel

Special Category Steel shall be TYPE A endorsed by the Certification Authority.

10.4.2.3 Structural Steel



Structural steel plate, section, tubular and castings for main members of pipe rack and structure shall be provided with TYPE ~~B~~ C material test certification.

10.4.2.4 Electrical Appliances and Fittings

Certificates concerning suitability of appliances, enclosures, etc., for use in hazardous areas shall be issued by a nationally approved certifying body or nationally accredited laboratory acceptable to EPC CONTRACTOR and the Certification Authority.

These certificates shall state the service, temperature class, gas group and zone classification for which the item is approved.

Drawings approved by the relevant certification body shall be made available for review/verification at the Vendor's works.

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10.4.2.5 Passive Fire Protection

All passive fire protection systems, fire-rated architectural items and fire dampers which form part of a fire boundary shall be of a type which is fire-tested and certified in accordance with the requirements of the relevant specifications. For all fire-rated architectural items, including doors, windows, ceilings, bulkheads, partition, roller shutters, insulation, coating systems, piping/cable/ducting penetration systems, etc., together with HVAC fire dampers, either of the following shall be provided:

- a) A Certification Authority approval certificate for prototype fire tests carried out on the item(s) under the witness of the Certification Authority. Or
- b) A fire Certificate and supporting fire test report for tests on the item(s) conducted by an independent, nationally accredited fire-test laboratory whose certification is acceptable to the Certification Authority.

All such certification shall provide:

A clear statement of the class of division for which the item is suitable.

Adequate reference to the original test specifications and drawings upon which the prototype test was performed.

A statement of the validity period of the certificate.

10.4.2.6 Fire Fighting Equipment (FFE)

Fire-fighting equipment shall be of a type which is currently approved by EPC CONTRACTOR.



10.4.2.7 Pipe Fittings – General

As per Project specification.

10.4.2.8 Flexible Pipes and Hoses

Each discrete category hose shall be of a type acceptable to EPC CONTRACTOR and shall have a type test certificate which demonstrates that the hose and method of the end connections have together been type tested.

Individual hoses shall be provided with hydrostatic pressure test certificates.

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Type tests shall be performed either in the presence of the Certification Authority themselves, or by an independent, accredited test laboratory whose certification is acceptable to the Certification Authority.

The type test certification presented shall be applicable to the bore, pressure rating and materials of construction of the actual hose(s) supplied. Where such certification covers a range of hose size, pressure ratings and materials, the limits of this range shall be agreed with the Certification Authority and shall also be in accordance with the applicable code(s) specified.

10.4.2.9 Fire Safe Valves

All valves which have parts which can degrade or deform in the event of fire (and especially those having elastomeric seat or seal materials), and which are to be installed in hydrocarbon or fire water service (including hydrant valves), shall have relevant fire type test certification acceptable to EPC CONTRACTOR.

Fire tests shall be carried out in presence of a recognized independent Authority, or by an independent, accredited fire test laboratory whose certification is acceptable to the Certification Authority. It shall be the Vendor's responsibility to determine the acceptability or otherwise to the Certification Authority of the test laboratory or authority proposed.

Fire test certification for valves shall be in accordance with the requirements of API 6FA, API 607, BS: 6755 or other relevant codes as agreed with the EPC CONTRACTOR.




The fire test certification presented shall be applicable to the bore, pressure rating and materials of construction of the actual valve supplied. Where such certification covers a range of valve size, pressure classes and body materials, the limits of this range shall be in accordance with the applicable codes specified.

All individual valves shall be provided with test certificates as required in PROJECT specification.

10.4.2.10 Pressure Relief Devices

All pressure relief devices, including safety valves (PSV'S), bursting discs and relief valves shall be of a type which has been satisfactory type testes to establish their discharge capabilities at their maximum rated design pressures and temperatures.

Such type test certification shall be in accordance with an accepted code or standard, and performed either in the presence of the Certification Authority themselves, or by an independent, accredited test laboratory whose certification is acceptable to the Certification Authority

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10.4.2.11 Pressure Vessels

When stipulate in Purchase Order, pressure vessels shall be provided with a certificate of code compliance in respect of design and construction, e.g.: BS:5500 Form X in case of use of BS 5500 CODE, together with a Certification Authority certificate which certifies that the vessels is suitable for use.

10.4.2.12 Lifting Appliances

General:

All lifting gear and appliances shall be manufactured, tested and certified in accordance with the requirements of the Certifying Authority's Code for Lifting Appliances, or an alternative code or codes acceptable to EPC CONTRACTOR and the Certification Authority. All fixed lifting appliances shall be provided with individual proof load test certificates and appropriate deflection reports.

Loose Gear:

All loose lifting gear, including hooks, blocks, slings, swivels, rings, chains, etc., shall have individual proof load test certificates. Wire ropes and chains shall have individual proof test and material certificates in accordance with the relevant code.

Winches and Tuggers:



Winches and tuggers shall be supplied with a type approval certificate for each discrete type or arrangement.

Man-riding Winches and Tuggers:

Man-riding winches and tuggers shall be supplied with a type approval certificate conforming that the arrangement is of a type approved for man-riding.

Pad Eyes and Lifting Lugs:

All fixed lifting points forming part of equipment and package skids, together with any loose lifting gear designed for routine handling of equipment during normal platform operation, shall be

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subject to a trial lift prior to delivery. The satisfactory execution of the trial lift shall be detailed in a report. All loose lifting gear shall be proof load tested and certified accordingly.

10.4.2.13 Level Gauges

Level gauges and sight glasses to be used for measuring hazardous or combustible liquids except LPG products shall be either have a certificate of type approval issued by the Certification Authority , or shall be of a type which is acceptable to the Certification Authority in the proposed application and service.




10.5 Certification Matrix

The matrix of material, type test, type approval and proof test requirements is as follow.
Full details of the certification requirements of the Order are to be given in each Requisition.
All materials and equipment shall be certified in accordance with the requirements of the codes, standards, specifications and procedures referenced in the Requisition and the Purchase Order.



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ITEM	MATERIAL CERTIFICATION	REMARKS AND ADDITIONAL REQUIREMENTS
Special Category Steel	A	Material certificate TYPE A
Structural steel	B, D	Material certificate TYPE B
Mechanical and Electrical Equipment	B, D, E	Material certificates TYPE B for component materials as defined elsewhere in this table, TYPE D for compliance with order, TYPE E as required
Electrical Appliances and Fittings	C, D, E	BASEEFA or equivalent Type test certification, IP compliance
Electric cable	B, D, E	Cable test certificates for individual lengths, Type test certificate
Passive Fire Protection Insulation and Coatings	C, D, E	Fire test certificate, fire test report
Fire-rated Architectural items, e.g.: doors, windows, bulkheads, penetrations and transits	C, D, E	Fire test certificate, fire test report
Fire Dampers	C, D, E	Fire test certificate, fire test report
Instruments-tagged and bulk	B, C, D, E	Material test certificate TYPE B or C, Type approval certificate
Lifesaving Appliances	B, C, D, E	Material test certificate TYPE B or C as appropriate, certificate to SOLAS regulations
Fire Fighting Equipment	C, D, E	Material test certificates TYPE B and C as appropriate for individual fittings, hydro-test certificates where appropriate
Piping-General	B, D	Material test certificate TYPE B
Pipe fittings-General	B, D, E	Material test certificate TYPE B and Type test certificate for burst/proof tests.
Structural Steel Castings for primary duty	A	Material TYPE A certificates to be endorsed by the Certification Authority or an accredited independent inspectorate
Flexible Hoses and Pipes in and other hydrocarbon service applications	B, D, E	Material test certificate TYPE B for end fittings, hydro-test on individual hoses, Type approval and fire test certificates
Flexible Hoses and Pipes in General Applications	B, D, E	Material test certificate TYPE B for end fittings, hydro-test on individual hoses, Type approval certificates
Valves; Fire-safe Type	A/B, D, E	Material test certificate for body and bonnet TYPE B generally, TYPE A for exotic materials, and trim TYPE C, hydro-test on body and seat, fire test certificate
Valves; ESD valves and SSV'S	A, C, D, E	Material test certificate for body and bonnet TYPE A and trim TYPE C, hydro-test on body and seat, Certification Authority Type test or approval certificate

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 	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT								
	DOCUMENT TITLE: INSPECTION PROCEDURE							Class: A	Rev. D0
Contract No.: DPIC/98-12	Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No		
	DPIC9812	000	000	PM	PR	0000	0015		




ITEM	MATERIAL CERTIFICATION	REMARKS AND ADDITIONAL REQUIREMENTS
Valves, Tagged and Bulk	A/B, C, D, E	Material test certificate for body and bonnet TYPE B generally, TYPE A for exotic materials and trim TYPE C, hydro-test on body and seat
Pressure Relief Devices; PSV'S and Relief Valves Control Valves	A, C, D	Material test certificate for body and bonnet TYPE A generally, TYPE A for exotic materials and trim TYPE C, hydro-test on body and seat, calibration certificate
Pressure Relief Devices; Bursting Discs	C, D, E	Material test certificate TYPE C, Type test certificate, batch test certificate
Pressure Vessels	B, D, E	Certification Authority certificates for code compliance
Lifting appliances of 10t SWL and above	A/B, C, D, E	Material test certificates for structural components in the load path TYPE A or B, slew rings, TYPE A, and for other components, TYPE B or C as appropriate, proof load and calibration test certificates, Type approval certificate
Loose Gear	C, D, E	Material test certificates, proof and Type test certificates
Man-riding Winches and Tuggers	B, D, E	Material test certificates, proof test certificates, Type approval/Type test certificates
Pad-eyes and lifting lugs on Equipment	B, D, E	Material test certificates, Type test certificate, trial lifting report
Level Gauges and Sight Glasses	C, D, E	Material test certificate, Type approval/Type test certificate

	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT								
Contract No.: DPIC/98-12	DOCUMENT TITLE: INSPECTION PROCEDURE							Class: A	Rev. D0
	Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No		
	DPIC9812	000	000	PM	PR	0000	0015	Sheet 45 of 58	

11 ATTACHMENTS

The following attachments shall form a part of this procedure:

- Attachment 1 “Application for Inspection and test (AFI)”
- Attachment 2 “Manufacturer's Certificate of Compliance(MCC)”
- Attachment 3 “Inspection Release Note (IRN)”
- Attachment 4 “Inspection Agency Inspection Report “
- Attachment 5 “Inspection Flow chart”

 	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT								
	DOCUMENT TITLE: INSPECTION PROCEDURE							Class: A	Rev. D0
Contract No.: DPIC/98-12	Proj. Code DPIC9812	Area 000	Unit 000	Disc. Code PM	Doc. Type PR	Material Code 0000	Serial. No 0015		

Attachment- 1 ; APPLICATION FOR INSPECTION & TEST (AFI)

AFI No.:				
OBJECT				
PROJECT TITLE		P/O DELIVERY DATE		
P/O NO.		Vendor		
TAG / ITEM NO.	COMMODITY / ITEM NAME	P/O Quantity	INSPECTED Quantity	BALANCE Quantity

* For Various ITEM NO., please attach the item list.




APPLICANT				
Vendor / SUB-Vendor				
INSPECTION DATE		INSPECTION TIME		
INSPECTION PLACE (ADDRESS)				
KIND OF INSPECTION	<input type="checkbox"/> PIM <input type="checkbox"/> FINAL INSPECTION <input type="checkbox"/> PSI			
	<input type="checkbox"/> OTHER INSPECTION (Please specify) :			
	<input type="checkbox"/> RE-INSPECTION (for NCR NO.)			
CONTACT POINT	PERSON IN CHARGE	TEL. / FAX NO.	EMAIL ADDRESS	

INSPECTION								
ITP No.	Activity No. (Based on ITP)	INSPECTION ACTIVITY DESCRIPTION	INVOLVED PARTY					
			S.V.	V	C	TPI	O	

LEGENDS:				
S.V. : Sub-Vendor	V: Vendor	C : EPC	TPI: Third Party Inspector	O: CLIENT
H: Hold Point	W: Witness	SW : Spot Witness		

Vendor PRINT STATUS (please note document No. & Rev. No.)			
Vendor PRINT	Document/DWG. No.	Rev. no.	APPROVAL STAGE
DRAWING			
INSPECTION & TEST PLAN			
INSPECTION & TEST PROCEDURE (Please Specify)			

ATTACHMENT	<input type="checkbox"/> YES ; <input type="checkbox"/> NO
REMARK :	




 	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT	 شرکت صنایع پتروشیمی خلیج فارس Persian Gulf Petrochemical Industries Co PGPIC شرکت صنایع پتروشیمی دهشت (سهامی عام)																		
Contract No.: DPIC/98-12	DOCUMENT TITLE: INSPECTION PROCEDURE <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 12.5%;">Proj. Code</td> <td style="width: 12.5%;">Area</td> <td style="width: 12.5%;">Unit</td> <td style="width: 12.5%;">Disc. Code</td> <td style="width: 12.5%;">Doc. Type</td> <td style="width: 12.5%;">Material Code</td> <td style="width: 12.5%;">Serial. No</td> </tr> <tr> <td>DPIC9812</td> <td>000</td> <td>000</td> <td>PM</td> <td>PR</td> <td>0000</td> <td>0015</td> </tr> </table>	Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No	DPIC9812	000	000	PM	PR	0000	0015	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Class: A</td> <td style="width: 50%;">Rev. D0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Sheet 47 of 58</td> </tr> </table>	Class: A	Rev. D0	Sheet 47 of 58	
Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No														
DPIC9812	000	000	PM	PR	0000	0015														
Class: A	Rev. D0																			
Sheet 47 of 58																				

Attachment- 2

MANUFACTURER'S CERTIFICATE of COMPLIANCE (MCC)

PROJECT TITLE :	
MCC No. :	
Purchase Order No. :	
Vendor Name:	
<p>This is to certify that the materials and goods listed below inspected and tested in accordance with inspection and test requirements specified in Purchase Order, conform in all respects to the specifications, drawings and other requirements relevant thereto, and have to no irremediable nor injurious defects.</p>	

ITEM NO. (TAG NO.)	ITEM DESCRIPTION	Total Quantity	Unit	RELEASE Quantity	BALANCE Quantity
Certified By (Sign and Stamp)		Date:		TPIA sign and stamp	




 	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT	 شرکت صنایع پتروشیمی خلیج فارس Persian Gulf Petrochemical Industries Co PGPIC شرکت صنایع پتروشیمی دهشت (سهامی عام)																		
Contract No.: DPIC/98-12	DOCUMENT TITLE: INSPECTION PROCEDURE <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 12.5%;">Proj. Code</td> <td style="width: 12.5%;">Area</td> <td style="width: 12.5%;">Unit</td> <td style="width: 12.5%;">Disc. Code</td> <td style="width: 12.5%;">Doc. Type</td> <td style="width: 12.5%;">Material Code</td> <td style="width: 12.5%;">Serial. No</td> </tr> <tr> <td>DPIC9812</td> <td>000</td> <td>000</td> <td>PM</td> <td>PR</td> <td>0000</td> <td>0015</td> </tr> </table>	Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No	DPIC9812	000	000	PM	PR	0000	0015	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Class: A</td> <td style="width: 50%;">Rev. D0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Sheet 48 of 58</td> </tr> </table>	Class: A	Rev. D0	Sheet 48 of 58	
Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No														
DPIC9812	000	000	PM	PR	0000	0015														
Class: A	Rev. D0																			
Sheet 48 of 58																				

Attachment- 3


INSPECTION RELEASE NOTE (IRN)

PROJECT TITLE :					
P.O. NO. :		Vendor Name:		IRN NO. :	
Vendor Person Contacted :		Inspector Name:		Date & Place:	
Purpose : Release for Pre-Shipment Inspection of Order completed (), Partial ()					
Estimated Shipping Date :					
<p>NOTE to Vendor</p> <p>1 .This is to certify that the itemized materials have satisfactorily passed inspection and complying with the inspection and test requirements specified in the relative Purchase order.</p> <p>2. Are there any LICENSABLE GOOD included in below listed items? Yes (), No (). ; IF yes, mark Asterisk (*) behind the Item/Tag No's.</p> <p>3. It is understood that nothing contained herein relieves the Vendor of any Purchase Order requirements.</p>					
ITEM NO (TAG NO.)	ITEM DESCRIPTION	PO Quantity	Unit	RELEASE Quantity	BALANCE Quantity
Certified By (Sign and Stamp)			Date:		TPIA sign and stamp

THIS COPY WILL BE RETAINED TO VENDOR.

 	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT								
	DOCUMENT TITLE: INSPECTION PROCEDURE							Class: A	Rev. D0
Contract No.: DPIC/98-12	Proj. Code DPIC9812	Area 000	Unit 000	Disc. Code PM	Doc. Type PR	Material Code 0000	Serial. No 0015		

Attachment- 4




IA LOGO	Inspection Agency Inspection Report	
Inspection Report No:		

This is to notify that the components as described hereunder have been inspected:

Client :	IRN No:
EPC CONTRACTOR:	MR No:
Contract No.:	MCC No:
EPC CONTRACTOR's P.O No.:	Packing list No.:
Vendor (supplier / manufacturer) :	Previous Relevant TQ/NCR No. (if any) :
AFI No :	Place of Inspection:
Reference No :	Date / Period of Inspection :
Persons met :	

The following Items were inspected:

Line	Item No. acc. to (PO)	Quantity		Description
		ordered	inspected	




 	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT	 شرکت صنایع پتروشیمی خلیج فارس Persian Gulf Petrochemical Industries Co PGPIC شرکت صنایع پتروشیمی دهشت (سهامی عام)																		
Contract No.: DPIC/98-12	DOCUMENT TITLE: INSPECTION PROCEDURE <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 12.5%;">Proj. Code</td> <td style="width: 12.5%;">Area</td> <td style="width: 12.5%;">Unit</td> <td style="width: 12.5%;">Disc. Code</td> <td style="width: 12.5%;">Doc. Type</td> <td style="width: 12.5%;">Material Code</td> <td style="width: 12.5%;">Serial. No</td> </tr> <tr> <td>DPIC9812</td> <td>000</td> <td>000</td> <td>PM</td> <td>PR</td> <td>0000</td> <td>0015</td> </tr> </table>	Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No	DPIC9812	000	000	PM	PR	0000	0015	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Class: A</td> <td style="width: 50%;">Rev. D0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Sheet 50 of 58</td> </tr> </table>	Class: A	Rev. D0	Sheet 50 of 58	
Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No														
DPIC9812	000	000	PM	PR	0000	0015														
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Conclusions, Remarks, Open Questions of Last Reports and Required Actions:

Row	Description	Action by
1.		
2.		
3.		
4.		
5.		

Inspection document:

<input type="checkbox"/> Drawings No.	Rev.
<input type="checkbox"/> Standards / Codes No.	Rev.
<input type="checkbox"/> Packing / Marking Specs. No.	dd.
<input type="checkbox"/> Specification No.	Rev.
<input type="checkbox"/> Test Procedures	Rev. dd.
<input type="checkbox"/> ITP No.	Rev.
<input type="checkbox"/> Technical Data Sheet No.	Rev.
<input type="checkbox"/> Purchase order No.	Rev.




 	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT																			
Contract No.: DPIC/98-12	DOCUMENT TITLE: INSPECTION PROCEDURE <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 12.5%;">Proj. Code</th> <th style="width: 12.5%;">Area</th> <th style="width: 12.5%;">Unit</th> <th style="width: 12.5%;">Disc. Code</th> <th style="width: 12.5%;">Doc. Type</th> <th style="width: 12.5%;">Material Code</th> <th style="width: 12.5%;">Serial. No</th> </tr> </thead> <tbody> <tr> <td>DPIC9812</td> <td>000</td> <td>000</td> <td>PM</td> <td>PR</td> <td>0000</td> <td>0015</td> </tr> </tbody> </table>	Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No	DPIC9812	000	000	PM	PR	0000	0015	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Class: A</td> <td style="width: 50%;">Rev. D0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Sheet 51 of 58</td> </tr> </table>	Class: A	Rev. D0	Sheet 51 of 58	
Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No														
DPIC9812	000	000	PM	PR	0000	0015														
Class: A	Rev. D0																			
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Scope of Inspection:

(Brief description of details of inspections, tests etc. carried out/witnessed)

<input type="checkbox"/> Surface Finish Check	<input type="checkbox"/> MT Examination
<input type="checkbox"/> Visual Check	<input type="checkbox"/> PT Examination
<input type="checkbox"/> Dimensional Check	<input type="checkbox"/> Hardness Check
<input type="checkbox"/> Hydro static	<input type="checkbox"/> Insulation Resistance Check
<input type="checkbox"/> Leakage Test	<input type="checkbox"/> Dielectric Test
<input type="checkbox"/> Functional Test	<input type="checkbox"/> Packing Inspection
<input type="checkbox"/> Internal Visual Check	<input type="checkbox"/> Colour Code Check
<input type="checkbox"/> Sampling	<input type="checkbox"/> Marking & Tagging check
<input type="checkbox"/> Mechanical Test	<input type="checkbox"/> Painting Check
<input type="checkbox"/> Thickness check	<input type="checkbox"/> Check of Supply Completion
<input type="checkbox"/> UT Examination	<input type="checkbox"/> Review of Material Certificates
<input type="checkbox"/> RT Examination	<input type="checkbox"/> Review of Final Certification Dossier
<input type="checkbox"/> RT interpretation	<input type="checkbox"/> Joint Fit up
<input type="checkbox"/> Corrosion tests (HIC/SSCC/CTOD)	<input type="checkbox"/> Welder qualification test
<input type="checkbox"/> Welding monitoring	<input type="checkbox"/> Chemical analyse test
<input type="checkbox"/> Consumable Annual repeat Certification	<input type="checkbox"/> Other
<input type="checkbox"/> Coating inspection	

Inspection Details:

 	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT								
	DOCUMENT TITLE: INSPECTION PROCEDURE								
Contract No.: DPIC/98-12	Proj. Code DPIC9812	Area 000	Unit 000	Disc. Code PM	Doc. Type PR	Material Code 0000	Serial. No 0015	Class: A	Rev. D0
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Inspection for quantity

Total # of items:		# of items in a package:	
Number of packages:		Number of Boxes:	
Number of boxes in a pallet:		Number of pallets:	
# of pallets in a container:		Number of containers:	
Total Net weight:		Total Gross weight:	
Packing list number:		Packing list date:	
Invoice number:		Invoice date:	
Findings and counting method used:			
Inspection Details:			

Visual and Dimensional Inspection for quality and condition of goods

Item No.	Actual measurement	Tolerance based on Standard	Result

Item	Instruments Used	Serial Number	Calibration Validity Date

 	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT								
	DOCUMENT TITLE: INSPECTION PROCEDURE								
Contract No.: DPIC/98-12	Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No	Class: A	Rev. D0
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Sampling, laboratory analysis and testing services




Sampling standard used:		Number of samples taken:	
Type of test performed:			
Name of laboratory:			
Test results	Passed <input type="checkbox"/>	Failed <input type="checkbox"/>	State reason:
Inspection Details:			
Item	Instruments Used	Serial Number	Calibration Validity Date
1			

Quality documents review.

Item	Type of document	Date of issue	Version No.	Comment
1				
2				
Comment :				

Drawings references review.




Item	Type of drawing	Drawing number	Drawing revision	Drawing date
1				
2				

 	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT	 شرکت صنایع پتروشیمی خلیج فارس Persian Gulf Petrochemical Industries Co PGPIC شرکت صنایع پتروشیمی دهشت (سهامی عام)																		
Contract No.: DPIC/98-12	DOCUMENT TITLE: INSPECTION PROCEDURE <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 12.5%;">Proj. Code</td> <td style="width: 12.5%;">Area</td> <td style="width: 12.5%;">Unit</td> <td style="width: 12.5%;">Disc. Code</td> <td style="width: 12.5%;">Doc. Type</td> <td style="width: 12.5%;">Material Code</td> <td style="width: 12.5%;">Serial. No</td> </tr> <tr> <td>DPIC9812</td> <td>000</td> <td>000</td> <td>PM</td> <td>PR</td> <td>0000</td> <td>0015</td> </tr> </table>	Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No	DPIC9812	000	000	PM	PR	0000	0015	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Class: A</td> <td style="width: 50%;">Rev. D0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Sheet 54 of 58</td> </tr> </table>	Class: A	Rev. D0	Sheet 54 of 58	
Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No														
DPIC9812	000	000	PM	PR	0000	0015														
Class: A	Rev. D0																			
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Comment :

Inspection of loading and or discharge :




Means of Transport:			
Incoterm:			
Customs Tariff number:			
Cargo Code:			
B/L number:			
Date of B/L issuance:			
B/L issued by:			
Voyage number:			
Carrier name:			
Port of loading & Country:			
Port of discharge & Country:			
Date of loading:			
Trans-shipment:			
Other data:			
Surveillance Operations performed:	Packing <input type="checkbox"/>	Marking <input type="checkbox"/>	Wedging <input type="checkbox"/>
	Weighing <input type="checkbox"/>	Supervision of Loading <input type="checkbox"/>	
	No Damage <input type="checkbox"/>	Damage occurred (see remarks) <input type="checkbox"/>	

 	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT								
	Contract No.: DPIC/98-12	DOCUMENT TITLE: INSPECTION PROCEDURE							Class: A
	Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No	Sheet 55 of 58	
	DPIC9812	000	000	PM	PR	0000	0015		

Inspection Details:

Manufacturing Data Report Review:

MDR LIST	Yes	No	N/A	Remark
Material Summary List	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Material Certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ITP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WPS/PQR as well as Welding map and NDT map	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Welder & Operators Qualification records	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NDE Operators Qualification	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NDE Report & Procedure <input type="checkbox"/> VT; <input type="checkbox"/> DT; <input type="checkbox"/> PT; <input type="checkbox"/> MT; <input type="checkbox"/> UT; <input type="checkbox"/> RT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Heat Treatment Chart <input type="checkbox"/> Procedure <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Calibration Certificates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PMI Procedure <input type="checkbox"/> Report <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pressure Test Procedure <input type="checkbox"/> Records <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mechanical Running Test Procedure <input type="checkbox"/> Records <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Functional Test Procedure <input type="checkbox"/> Records <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Performance Test Procedure <input type="checkbox"/> Records <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Name Plate Rubbing / Stamp Rubbing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Painting / coating Inspection Procedure <input type="checkbox"/> Records <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	




 	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT																			
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Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No														
DPIC9812	000	000	PM	PR	0000	0015														
Class: A	Rev. D0																			
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Other inspection and test procedure and records as specified:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Manufacturer's Certificate of Compliance (MCC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EPC CONTRACTOR's Inspection Note (IRN)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Packing list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TPIA's Release Note	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Pictures: (With a brief description of each picture)

Conclusion:

Result of Inspection:	<input type="checkbox"/> There were no reasons for objection <input type="checkbox"/> With Objection, refer to <u>underlined content</u>
Status of Items (acc. to P.O.):	<input type="checkbox"/> Complete <input type="checkbox"/> Not complete <input type="checkbox"/> Released for export packing <input type="checkbox"/> Ready for shipment
Further Inspections:	<input type="checkbox"/> Yes <input type="checkbox"/> No
The documents which shall be attached to this report based on Scope of Inspection:	<input type="checkbox"/> M.O.M <input type="checkbox"/> Certificate <input type="checkbox"/> NCR <input type="checkbox"/> Release Note <input type="checkbox"/> Other

 	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT	 شرکت صنایع پتروشیمی خلیج فارس Persian Gulf Petrochemical Industries Co PGPIC شرکت صنایع پتروشیمی دهشت (سهامی عام)																		
Contract No.: DPIC/98-12	DOCUMENT TITLE: INSPECTION PROCEDURE <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Proj. Code</th> <th>Area</th> <th>Unit</th> <th>Disc. Code</th> <th>Doc. Type</th> <th>Material Code</th> <th>Serial. No</th> </tr> </thead> <tbody> <tr> <td>DPIC9812</td> <td>000</td> <td>000</td> <td>PM</td> <td>PR</td> <td>0000</td> <td>0015</td> </tr> </tbody> </table>	Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No	DPIC9812	000	000	PM	PR	0000	0015	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Class: A</td> <td style="width: 50%;">Rev. D0</td> </tr> <tr> <td colspan="2" style="text-align: center;">Sheet 57 of 58</td> </tr> </table>	Class: A	Rev. D0	Sheet 57 of 58	
Proj. Code	Area	Unit	Disc. Code	Doc. Type	Material Code	Serial. No														
DPIC9812	000	000	PM	PR	0000	0015														
Class: A	Rev. D0																			
Sheet 57 of 58																				

Place:	Name of Inspector:
Date:	(Printed /signature /stamp)

NO

YES

NO

YES

NO




YES

YES

NO

YES

NO

 	DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT						 شرکت صنایع پتروشیمی خلیج فارس Persian Gulf Petrochemical Industries Co PGPIC شرکت صنایع پتروشیمی دهشت (سهامی عام)		
	DOCUMENT TITLE: INSPECTION PROCEDURE								
Contract No.: DPIC/98-12	Proj. Code DPIC9812	Area 000	Unit 000	Disc. Code PM	Doc. Type PR	Material Code 0000	Serial. No 0015	Class: A	Rev. D0
Sheet 58 of 58									

Attachment 5 - Inspection Flowchart

