

	OFFSHORE DESIGN MR - MUMBAI	GENERAL SPECIFICATION FOR DEFINITION	Spec. No.	1050	
			Rev. No.	0	
			Discipline		
			Page 1 of 6		
<p>GENERAL SPECIFICATION</p> <p>FOR</p> <p>DEFINITION</p>					
<p>OIL AND NATURAL GAS CORPORATION LTD.</p> <p>INDIA</p>					
		ISSUED FOR BID	6		0
PREPARED BY	CHECKED BY	ISSUED AS	TOTAL PAGE	DATE	REV No.
		APPROVED BY			
FORMAT No.	Ref. PROCEDURE No.	ISSUE No.	REV. No.	REV. DATE:	
ODS/SOF/004B	ODS/SOP/008 TO 015	01	01	15/10/2003	

	OFFSHORE DESIGN MR - MUMBAI	GENERAL SPECIFICATION FOR DEFINITION	Spec. No.	1050
			Rev. No.	0
			Discipline	
			Page 2 of 6	
<div>CONTENTS</div> <div>1.0 SCOPE</div> <div>2.0 CODES AND STANDARDS</div> <div>3.0 LAYOUT AND OPERABILITY</div> <div>4.0 MANUFACTURERS AND VENDORS</div> <div>5.0 WARRANTIES</div> <div>6.0 MATERIALS OF CONSTRUCTION AND METALLURGY</div> <div>7.0 SAFETY PROVISIONS</div>				
FORMAT No.	Ref. PROCEDURE No.	ISSUE No.	REV. No.	REV. DATE:
ODS/SOF/004B	ODS/SOP/008 TO 015	01	01	15/10/2003

	OFFSHORE DESIGN MR - MUMBAI	GENERAL SPECIFICATION FOR DEFINITION	Spec. No.	1050
			Rev. No.	0
			Discipline	
			Page 3 of 6	

1.0

SCOPE

Specifications referred to as "General" for a specific category indicate a minimum standard of quality for materials, fabrication and/or erection of the proposed equipment. Responsibility for the proper interpretation of these specifications shall rest with appointed representatives of the Contractor and the Company. It will be Contractor's responsibility to obtain clarification from Company's representative, which in all cases shall be final and binding.

Individual specifications and/or drawings, when furnished, are to be used with the general specifications, if conflict exists, the individual specifications and/or drawings shall govern.

All equipment and materials supplied or installed under these specifications shall be installed in accordance with relevant Project Specifications, sound engineering principles and good fabrication and construction practice. No omission from these specifications shall relieve the Contractor from this responsibility.

2.0

CODES AND STANDARDS


All equipment and materials fabricated and installed under these specifications shall conform to the latest editions of the applicable codes and standards cited in the bid documents. No omission in the project instructions shall be construed as relieving the Contractor of his responsibility to ascertain these requirements, to perform work and furnish material in accordance with the codes specified.


3.0

LAYOUT AND OPERABILITY

The facility shall be laid out and constructed for convenience and safety of operation and maintenance. Similar equipment shall be grouped together as much as possible so as to best conform with good engineering practice and fulfill accepted standards of process simplicity, safety, and economy. All equipment

FORMAT No.	Ref. PROCEDURE No.	ISSUE No.	REV. No.	REV. DATE:
ODS/SOF/004B	ODS/SOP/008 TO 015	01	01	15/10/2003

	OFFSHORE DESIGN MR - MUMBAI	GENERAL SPECIFICATION FOR DEFINITION	Spec. No.	1050
			Rev. No.	0
			Discipline	
			Page 4 of 6	
<p>shall be oriented to permit servicing in such a way as to require a minimum of dismantling. For offshore platform facilities, conservation of space shall also be taken into account.</p> <p>Contractor shall provide adequate design measures to handle all predictable occurrences resulting from weather, process upsets, or operational failures or interruption of utilities. All such features shall be provided unless brought to Company's attention and a specific agreement is reached to forego such measures.</p> <p>4.0 MANUFACTURERS AND VENDORS</p> <p>Evaluation and selection of vendors shall he done from the viewpoint of both supply and maintenance and all suppliers must be willing and capable of providing service for their goods.</p> <p>No provision of these specifications shall imply rejection of a vendor's standard designed and purchased equipment, provided this equipment is equivalent to or better than that specified and approved by Company.</p> <p>All equipment shall be of proven design. Prototypes new designs or extensive modifications of standard designs are unacceptable.</p> <p>Unless otherwise specified, the naming of a specific manufacturer’s product indicates, in general, a standard of quality only. An “equivalent” specification may be substituted according to the practice of the industry; however, such substitutions shall be approved in writing by Company.</p>				
FORMAT No.	Ref. PROCEDURE No.	ISSUE No.	REV. No.	REV. DATE:
ODS/SOF/004B	ODS/SOP/008 TO 015	01	01	15/10/2003

	OFFSHORE DESIGN MR - MUMBAI	GENERAL SPECIFICATION FOR DEFINITION	Spec. No.	1050
			Rev. No.	0
			Discipline	
			Page 5 of 6	

5.0

WARRANTIES

5.1

Contractor shall:

Warrant all material and equipment to be free from defects in design, material, and workmanship.

Warrant that all equipment will satisfy the requirements of the intended use and be suitable for the application.

Agree to repair or replace any equipment under this warranty, which proves to be defective within a period of 12 months being placed in operation, but not exceeding 18 months form the date of shipment.

Assume responsibility for obtaining manufacturer’s performance warranty for all equipment purchased.

5.2

Where materials of construction or the application of equipment recommended by Contractor do not conform with the manufacturer’s recommendations, the Contractor shall assume the equivalent of the equipment manufacturer’s warranty and in the event of malfunction or damage resulting from this misapplication, the Contractor will not be released from this warranty.


6.0

MATERIALS OF CONSTRUCTION AND METALLURGY

Unless other wise specified, all materials and equipment shall be new.

All materials supplied under these specifications shall be adequate for the proposed service. Proper consideration shall be given to their function with regard to corrosion, chemical attack, and other process hazards, and precautions to avoid these hazards shall be taken. Such precautions shall include but not be limited to the following:

FORMAT No.	Ref. PROCEDURE No.	ISSUE No.	REV. No.	REV. DATE:
ODS/SOF/004B	ODS/SOP/008 TO 015	01	01	15/10/2003

	OFFSHORE DESIGN MR - MUMBAI	GENERAL SPECIFICATION FOR DEFINITION	Spec. No.	1050
			Rev. No.	0
			Discipline	
			Page 6 of 6	

6.1 Selection-Adequate to meet process requirements together with foreseeable contingencies.

6.2 Heat treatment - Suitable treatment of materials to minimize corrosion, prevent hydrogen embrittlement, and for strength considerations per applicable codes.

6.3 Protective coating-suitable as required to preserve the utility, efficiency and appearance of the equipment under offshore operating conditions where applicable.

6.4 Corrosion Allowance and safety factor - Within good engineering practice with a minimum as stated in the relevant Specifications.
Particular attention shall be given to the metallurgy and arrangement of equipment in contact with fluid and which is likely to be exposed internally and externally to corrosive media. All phases of the process and mechanical design of the facility must be thoroughly checked to assure that unsatisfactory conditions such as freezing, plugging, and/or undesirable chemical reactions will not occur.

7.0 SAFETY PROVISIONS

It is the intent of the Company that operational hazards be reduced to a minimum. Contractor shall use sound engineering judgment to complete an installation that will perform the required process function without compromising this aim. The platform shall be designed in accordance with API RP 14C Recommended Practice for Analysis, Design, Installation and Testing of Basic Surface Safety Systems on Offshore Production Platforms. Latest edition.

FORMAT No.	Ref. PROCEDURE No.	ISSUE No.	REV. No.	REV. DATE:
ODS/SOF/004B	ODS/SOP/008 TO 015	01	01	15/10/2003