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NATIONAL IRANIAN OIL REFINING & DISTRIBUTION COMPANY
NATIONAL IRANIAN OIL ENGINEERING
& CONSTRUCTION COMPANY

NIOEC SP

NIOEC SPECIFICATION
FOR
DEMOLITION

SECOND EDITION

JULY, 2009

THIS SPECIFICATION IS THE PROPERTY OF NATIONAL IRANIAN OIL ENGINEERING & CONSTRUCTION COMPANY. IT IS CONFIDENTIAL AND ALL RIGHTS RESERVED TO THE OWNER. NEITHER WHOLE NOR ANY PART OF THIS DOCUMENT MAY BE DISCLOSED TO ANY THIRD PARTY, REPRODUCED, STORED IN ANY RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE PRIOR WRITTEN CONSENT OF THE NATIONAL IRANIAN OIL ENGINEERING & CONSTRUCTION COMPANY.

IN THE NAME OF GOD**FOREWORD**

By their very nature, technical Specifications are continuously subject to modifications and revisions. To strengthen their merit and usefulness, continuous improvements, addendum, deletion of disparate information and consequently provision of updated revisions are to be made in order to ascertain that such Specifications meet the current requirements, inclusive of Iranian Petroleum Standards (IPS) and the recognized and acceptable national and international Standards, as well as the optimal codes and practices based on the accumulated in-house know-how and plant knowledge and experiences.

However, in reality, due to several reasons, not to mention the complexity of the matter, the ultimate goal of continuous direct embedment of the required changes on the relevant Specifications may be far reaching. Therefore, in the interim periods between the officially issued revisions, the required changes will appear in other documents related to the engineering and design work of the ongoing projects.

In response to the initiative of the Design and Engineering Directorate, and considering that the task of the execution of several important and mega projects for the realization of the new oil refineries, pipelines and oil terminals as well as improvements of the existing facilities, has been assigned to NIOEC, it was decided to update the NIOEC Specifications and to issue new official revisions.

The Design and Engineering Directorate was itself entrusted to carry out this important task, and as such by forming several special technical committees, working in close co-operation and cohesion and sharing their expertise and knowledge, the updated and revised NIOEC Specifications were successfully prepared and complied.

These Specifications are intended to be used for Oil Refineries, Distribution Depots, Oil Terminals, Pipelines and Pump Stations within NIOEC's projects, and have been proven to be of high value for such purposes. It must however be appreciated that these Specifications represent the minimum requirements and should in no way be interpreted as a restriction on the use of better procedures, engineering and design practices or materials.

We encourage and highly appreciate the users and other clear sighted and experts to send their comments on the Specifications to the Design and Engineering Director of NIOEC for evaluation and approval.

REVISION INDEX

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NOTES:

- 1) THIS SHEET IS A RECORD OF ALL REVISIONS TO THIS SPECIFICATION.
- 2) WHEN APPROVED EACH REVISION SHALL BE CONSIDERED AS A PART OF THE ORIGINAL DOCUMENT.
- 3) NUMBER OF PAGES EXCLUDES THIS SHEET AND THE COVER SHEET.

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2	JUNE, 2017	M.NEZHADNIK	Z.GHETMIRI	M.R.FARZAM	M. KARGAR NAJAFI
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INTRODUCTION

To satisfy the requirements of this NIOEC specification, Iranian Petroleum Standard IPS-C-CE-355 (Revised on June 2006) with the modifications as specified here in after shall be strictly followed. Articles 1 through 4 of this document replace entirely the related articles in the referenced IPS standard.

1. SCOPE

This Specification gives recommendations for various aspects of demolition work. It includes basic considerations and recommended methods of demolition of different types of structure; provides a basis for a logical approach to safe procedures and offers advice on safety precautions and statutory requirements.

Deviations from this Specification will only be permitted on obtaining written approval from NIOEC.

Resolution on cases not explicitly stipulated in this Specification, or on cases where conflicts may arise among the requirements of the referenced/relevant IPS and the international standards, shall be made through written consent and approval of NIOEC.

2. REFERENCES

The following standards, codes, and specifications, to the extent specified hereinafter, shall constitute a part of this NIOEC Specification. Latest edition of the undated referenced documents and the cited edition of the dated references shall apply. The applicability of changes made to the dated references after the cited date shall be mutually agreed upon between NIOEC and the Vendor/Contractor.

BSI (BRITISH STANDARD INSTITUTION)

BS 5228: Part 1 and 2	“Code of Practice for Noise and Vibration Control on Construction and Open Sites”
BS 5607	“Code of Practice for Safe Use of Explosives in the Construction Industry”
BS 5744	“Code of Practice for Safe Use of Cranes”
BS 5973	“Code of Practice for Access and Working Scaffolds and Special Scaffolds Structures in Steel”
BS 6187	“Code of Practice for Full and Partial Demolition”
BS 7121 part 1	“Code of Practice for Safe Use of Cranes –General”
BS 7121 part 2	“Code of Practice for Safe Use of Cranes–Inspection, Testing and Examination”
BS 8004	“Code of Practice for Foundations”
BS CP 3010	“Code of Practice for Safe Use of Cranes (Mobile Cranes, Tower Cranes and Derrick Cranes)”

IRANIAN PUBLIC LAWS AND PROVISIONS

“Safe Guarding Regulations for Construction Worksites NO. 69826”

IPS (IRANIAN PETROLEUM STANDARD)

IPS-E-SF-400 (Revised on July 2014)	“Engineering Standard for Industrial Stairs Ladders, Platforms and Scaffolds”
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NIOEC-SP (NIOEC SPECIFICATIONS)

NIOEC-SP-00-10	“NIOEC Specification for Units”
NIOEC-SP-47-10	“NIOEC Specification for Noise Control and Vibration”
NIOEC-SP-50-08	“NIOEC Specification Winterizing & Heat Conservation”

2.1. Equivalent to IPS Standard

Substitute the following IPS Standard as referred to throughout IPS-C-CE-355 to relevant NIOEC's Specifications as follows:

<u>IPS Standard</u>	<u>Relevant NIOEC Specification</u>
IPS-G-SF-900	NIOEC-SP-47-10
IPS-E-PR-420	NIOEC-SP-50-08

3. UNITS

International system of unites (SI) shall be used in accordance with NIOEC-SP-00-10, unless otherwise specified.

4. DEFINITIONS & TERMINOLOGY

For definitions and terminology used particularly for demolition refer to Clause 3 of BS 6187.

STANDARD

FOR

DEMOLITION

ORIGINAL EDITION

OCT. 1996

This standard specification is reviewed and updated by the relevant technical committee on May 2001(1) and June 2006(2). The approved modifications are included in the present issue of IPS.

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