

- IDC: Inter-Discipline Check**  
**IFC: Issued For Comment**  
**IFA: Issued For Approval**  
**AFD: Approved For Design**  
**AFC: Approved For Construction**  
**AFP: Approved For Purchase**  
**AFQ: Approved For Quotation**  
**IFI: Issued For Information**  
**AB-R: As-Built for CLIENT Review**  
**AB-A: As-Built –Approved**

| <br>NISOC | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p>                                                                                                                                                                                         | <br>شرکت توسعه ترابریان<br><br>HIRGAN ENERGY<br> |      |         |            |           |       |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                    |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|------------|-----------|-------|--|--|------|-------|----------|------|---------|------------|-----------|-------|-----|------|----|----|-----|-------|-----|----|--------------------|
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴                                                           | <table><tr><th colspan="8">TBE For PIPES</th></tr><tr><th>نسخه</th><th>سریال</th><th>نوع مدرک</th><th>رشته</th><th>تسهیلات</th><th>صادر کننده</th><th>بسته کاری</th><th>پروژه</th></tr><tr><td>D01</td><td>0001</td><td>TB</td><td>PI</td><td>120</td><td>PEDCO</td><td>GCS</td><td>BK</td></tr></table> | TBE For PIPES                                                                                                                                                                                                                                                                                             |      |         |            |           |       |  |  | نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادر کننده | بسته کاری | پروژه | D01 | 0001 | TB | PI | 120 | PEDCO | GCS | BK | شماره صفحه: ۲ از ۵ |
| TBE For PIPES                                                                              |                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                           |      |         |            |           |       |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                    |
| نسخه                                                                                       | سریال                                                                                                                                                                                                                                                                                                    | نوع مدرک                                                                                                                                                                                                                                                                                                  | رشته | تسهیلات | صادر کننده | بسته کاری | پروژه |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                    |
| D01                                                                                        | 0001                                                                                                                                                                                                                                                                                                     | TB                                                                                                                                                                                                                                                                                                        | PI   | 120     | PEDCO      | GCS       | BK    |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                    |

### REVISION RECORD SHEET

| PAGE | D00 | D01 | D02 | D03 | D04 |
|------|-----|-----|-----|-----|-----|
| 1    | X   | X   |     |     |     |
| 2    | X   | X   |     |     |     |
| 3    | X   |     |     |     |     |
| 4    | X   |     |     |     |     |
| 5    | X   | X   |     |     |     |
| 6    |     |     |     |     |     |
| 7    |     |     |     |     |     |
| 8    |     |     |     |     |     |
| 9    |     |     |     |     |     |
| 10   |     |     |     |     |     |
| 11   |     |     |     |     |     |
| 12   |     |     |     |     |     |
| 13   |     |     |     |     |     |
| 14   |     |     |     |     |     |
| 15   |     |     |     |     |     |
| 16   |     |     |     |     |     |
| 17   |     |     |     |     |     |
| 18   |     |     |     |     |     |
| 19   |     |     |     |     |     |
| 20   |     |     |     |     |     |
| 21   |     |     |     |     |     |
| 22   |     |     |     |     |     |
| 23   |     |     |     |     |     |
| 24   |     |     |     |     |     |
| 25   |     |     |     |     |     |
| 26   |     |     |     |     |     |
| 27   |     |     |     |     |     |
| 28   |     |     |     |     |     |
| 29   |     |     |     |     |     |
| 30   |     |     |     |     |     |
| 31   |     |     |     |     |     |
| 32   |     |     |     |     |     |
| 33   |     |     |     |     |     |
| 34   |     |     |     |     |     |
| 35   |     |     |     |     |     |
| 36   |     |     |     |     |     |
| 37   |     |     |     |     |     |
| 38   |     |     |     |     |     |
| 39   |     |     |     |     |     |
| 40   |     |     |     |     |     |
| 41   |     |     |     |     |     |
| 42   |     |     |     |     |     |
| 43   |     |     |     |     |     |
| 44   |     |     |     |     |     |
| 45   |     |     |     |     |     |
| 46   |     |     |     |     |     |
| 47   |     |     |     |     |     |
| 48   |     |     |     |     |     |
| 49   |     |     |     |     |     |
| 50   |     |     |     |     |     |
| 51   |     |     |     |     |     |
| 52   |     |     |     |     |     |
| 53   |     |     |     |     |     |
| 54   |     |     |     |     |     |
| 55   |     |     |     |     |     |
| 56   |     |     |     |     |     |
| 57   |     |     |     |     |     |
| 58   |     |     |     |     |     |
| 59   |     |     |     |     |     |
| 60   |     |     |     |     |     |
| 61   |     |     |     |     |     |
| 62   |     |     |     |     |     |
| 63   |     |     |     |     |     |
| 64   |     |     |     |     |     |
| 65   |     |     |     |     |     |

| PAGE | D00 | D01 | D02 | D03 | D04 |
|------|-----|-----|-----|-----|-----|
| 66   |     |     |     |     |     |
| 67   |     |     |     |     |     |
| 68   |     |     |     |     |     |
| 69   |     |     |     |     |     |
| 70   |     |     |     |     |     |
| 71   |     |     |     |     |     |
| 72   |     |     |     |     |     |
| 73   |     |     |     |     |     |
| 74   |     |     |     |     |     |
| 75   |     |     |     |     |     |
| 76   |     |     |     |     |     |
| 77   |     |     |     |     |     |
| 78   |     |     |     |     |     |
| 79   |     |     |     |     |     |
| 80   |     |     |     |     |     |
| 81   |     |     |     |     |     |
| 82   |     |     |     |     |     |
| 83   |     |     |     |     |     |
| 84   |     |     |     |     |     |
| 85   |     |     |     |     |     |
| 86   |     |     |     |     |     |
| 87   |     |     |     |     |     |
| 88   |     |     |     |     |     |
| 89   |     |     |     |     |     |
| 90   |     |     |     |     |     |
| 91   |     |     |     |     |     |
| 92   |     |     |     |     |     |
| 93   |     |     |     |     |     |
| 94   |     |     |     |     |     |
| 95   |     |     |     |     |     |
| 96   |     |     |     |     |     |
| 97   |     |     |     |     |     |
| 98   |     |     |     |     |     |
| 99   |     |     |     |     |     |
| 100  |     |     |     |     |     |
| 101  |     |     |     |     |     |
| 102  |     |     |     |     |     |
| 103  |     |     |     |     |     |
| 104  |     |     |     |     |     |
| 105  |     |     |     |     |     |
| 106  |     |     |     |     |     |
| 107  |     |     |     |     |     |
| 108  |     |     |     |     |     |
| 109  |     |     |     |     |     |
| 110  |     |     |     |     |     |
| 111  |     |     |     |     |     |
| 112  |     |     |     |     |     |
| 113  |     |     |     |     |     |
| 114  |     |     |     |     |     |
| 115  |     |     |     |     |     |
| 116  |     |     |     |     |     |
| 117  |     |     |     |     |     |
| 118  |     |     |     |     |     |
| 119  |     |     |     |     |     |
| 120  |     |     |     |     |     |
| 121  |     |     |     |     |     |
| 122  |     |     |     |     |     |
| 123  |     |     |     |     |     |
| 124  |     |     |     |     |     |
| 125  |     |     |     |     |     |
| 126  |     |     |     |     |     |
| 127  |     |     |     |     |     |
| 128  |     |     |     |     |     |
| 129  |     |     |     |     |     |
| 130  |     |     |     |     |     |

| <br>NISOC | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p>                                                                                                                                                                                         |  |      |         |            |           |       |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                    |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|---------|------------|-----------|-------|--|--|------|-------|----------|------|---------|------------|-----------|-------|-----|------|----|----|-----|-------|-----|----|--------------------|
| شماره پیمان:<br><br>۰۵۳ - ۰۷۳ - ۹۱۸۴                                                       | <table><tr><th colspan="8">TBE For PIPES</th></tr><tr><th>نسخه</th><th>سریال</th><th>نوع مدرک</th><th>رشته</th><th>تسهیلات</th><th>صادر کننده</th><th>بسته کاری</th><th>پروژه</th></tr><tr><td>D01</td><td>0001</td><td>TB</td><td>PI</td><td>120</td><td>PEDCO</td><td>GCS</td><td>BK</td></tr></table> | TBE For PIPES                                                                       |      |         |            |           |       |  |  | نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادر کننده | بسته کاری | پروژه | D01 | 0001 | TB | PI | 120 | PEDCO | GCS | BK | شماره صفحه: ۳ از ۵ |
| TBE For PIPES                                                                              |                                                                                                                                                                                                                                                                                                          |                                                                                     |      |         |            |           |       |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                    |
| نسخه                                                                                       | سریال                                                                                                                                                                                                                                                                                                    | نوع مدرک                                                                            | رشته | تسهیلات | صادر کننده | بسته کاری | پروژه |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                    |
| D01                                                                                        | 0001                                                                                                                                                                                                                                                                                                     | TB                                                                                  | PI   | 120     | PEDCO      | GCS       | BK    |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                    |

## CONTENTS

|     |                       |   |
|-----|-----------------------|---|
| 1.0 | INTRODUCTION .....    | 4 |
| 2.0 | SCOPE .....           | 5 |
| 3.0 | ATTACHMENTS .....     | 5 |
| 3.1 | PMR FOR PIPES .....   | 5 |
| 3.2 | TBE TABLE .....       | 5 |
| 3.3 | VENDOR PROPOSAL ..... | 5 |

|                                                                                            |                                                                                                                  |           |           |         |      |          |       |                                                                                     |      |
|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------|-----------|---------|------|----------|-------|-------------------------------------------------------------------------------------|------|
| <br>NISOC | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |           |         |      |          |       |  |      |
| شماره پیمان:<br><br>۰۵۳ - ۰۷۳ - ۹۱۸۴                                                       | TBE For PIPES                                                                                                    |           |           |         |      |          |       | شماره صفحه : ۴ از ۵                                                                 |      |
|                                                                                            | پروژه                                                                                                            | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال |                                                                                     | نسخه |
|                                                                                            | BK                                                                                                               | GCS       | PEDCO     | 120     | PI   | TB       | 0001  | D01                                                                                 |      |

## 1.0 INTRODUCTION

Binak oilfield in Bushehr province is a part of the southern oilfields of Iran, is located 20 km northwest of Genaveh city.

With the aim of increasing production of oil from Binak oilfield, an EPC/EPD Project has been defined by NIOC/NISOC and awarded to Petro Iran Development Company (PEDCO). Also PEDCO (as General Contractor) has assigned the EPC-packages of the Project to "Hirgan Energy - Design and Inspection" JV.

As a part of the Project, a New Gas Compressor Station (adjacent to existing Binak GCS) shall be constructed to gather of 15 MMSCFD (approx.) associated gases and compress & transfer them to Siahmakan GIS.

### GENERAL DEFINITION

The following terms shall be used in this document.

|                              |                                                                                                                    |
|------------------------------|--------------------------------------------------------------------------------------------------------------------|
| CLIENT:                      | National Iranian South Oilfields CLIENT (NISOC)                                                                    |
| PROJECT:                     | Binak Oilfield Development – Surface Facilities; New Gas Compressor Station                                        |
| EPD/EPC CONTRACTOR (GC):     | Petro Iran Development Company (PEDCO)                                                                             |
| EPC CONTRACTOR:              | Joint Venture of : Hirgan Energy – Design & Inspection(D&I) Companies                                              |
| VENDOR:                      | The firm or person who will fabricate the equipment or material.                                                   |
| EXECUTOR:                    | Executor is the party which carries out all or part of construction and/or commissioning for the project.          |
| THIRD PARTY INSPECTOR (TPI): | The firm appointed by EPD/EPC CONTRACTOR (GC) and approved by CLIENT (in writing) for the inspection of goods.     |
| SHALL:                       | Is used where a provision is mandatory.                                                                            |
| SHOULD:                      | Is used where a provision is advisory only.                                                                        |
| WILL:                        | Is normally used in connection with the action by CLIENT rather than by an EPC/EPD CONTRACTOR, supplier or VENDOR. |
| MAY:                         | Is used where a provision is completely discretionary.                                                             |

|                                                                                            |                                                                                                                  |           |           |         |      |          |       |                                                                                     |      |
|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------|-----------|---------|------|----------|-------|-------------------------------------------------------------------------------------|------|
| <br>NISOC | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |           |         |      |          |       |  |      |
| شماره پیمان:<br><br>۰۵۳ - ۰۷۳ - ۹۱۸۴                                                       | TBE For PIPES                                                                                                    |           |           |         |      |          |       | شماره صفحه : ۵ از ۵                                                                 |      |
|                                                                                            | پروژه                                                                                                            | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال |                                                                                     | نسخه |
|                                                                                            | BK                                                                                                               | GCS       | PEDCO     | 120     | PI   | TB       | 0001  | D01                                                                                 |      |

## 2.0 SCOPE

This document is technical bid evaluation report for purchasing the Pipes amounts which required in GCS area.

## 3.0 ATTACHMENTS

### 3.1 PMR FOR PIPES

### 3.2 TBE TABLE

### 3.3 VENDOR PROPOSAL