|  |
| --- |
| **طرح نگهداشت و افزایش تولید 27 مخزن** |
| **SUB VENDOR LIST****نگهداشت و افزایش تولید میدان نفتی بینک** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| V00 | APR. 2023 | IFR | Havayar Co. | M.Fakharian | M.Mehrshad |  |
| **Rev.** | **Date** | **Purpose of Issue/Status** | **Prepared by:** | **Checked by:** | **Approved by:** | **CLIENT Approval** |
| **Class: 2** |
| **Status:** | **IFA: Issued For Approval****IFR: Issued For Review****IFI: Issued For Information****AFC: Approved For Construction**  |

**REVISION RECORD SHEET**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PAGE** | **V00** | **V01** | **V02** | **V03** | **V04** |  | **PAGE** | **V00** | **V01** | **V02** | **V03** | **V04** |
| **1** | X |  |  |  |  | **66** |  |  |  |  |  |
| **2** | X |  |  |  |  | **67** |  |  |  |  |  |
| **3** | X |  |  |  |  | **68** |  |  |  |  |  |
| **4** | X |  |  |  |  | **69** |  |  |  |  |  |
| **5** | X |  |  |  |  | **70** |  |  |  |  |  |
| **6** | X |  |  |  |  | **71** |  |  |  |  |  |
| **7** | X |  |  |  |  | **72** |  |  |  |  |  |
| **8** |  |  |  |  |  | **73** |  |  |  |  |  |
| **9** |  |  |  |  |  | **74** |  |  |  |  |  |
| **10** |  |  |  |  |  | **75** |  |  |  |  |  |
| **11** |  |  |  |  |  | **76** |  |  |  |  |  |
| **12** |  |  |  |  |  | **77** |  |  |  |  |  |
| **13** |  |  |  |  |  | **78** |  |  |  |  |  |
| **14** |  |  |  |  |  | **79** |  |  |  |  |  |
| **15** |  |  |  |  |  | **80** |  |  |  |  |  |
| **16** |  |  |  |  |  | **81** |  |  |  |  |  |
| **17** |  |  |  |  |  | **82** |  |  |  |  |  |
| **18** |  |  |  |  |  | **83** |  |  |  |  |  |
| **19** |  |  |  |  |  | **84** |  |  |  |  |  |
| **20** |  |  |  |  |  | **85** |  |  |  |  |  |
| **21** |  |  |  |  |  | **86** |  |  |  |  |  |
| **22** |  |  |  |  |  | **87** |  |  |  |  |  |
| **23** |  |  |  |  |  | **88** |  |  |  |  |  |
| **24** |  |  |  |  |  | **89** |  |  |  |  |  |
| **25** |  |  |  |  |  | **90** |  |  |  |  |  |
| **26** |  |  |  |  |  | **91** |  |  |  |  |  |
| **27** |  |  |  |  |  | **92** |  |  |  |  |  |
| **28** |  |  |  |  |  | **93** |  |  |  |  |  |
| **29** |  |  |  |  |  | **94** |  |  |  |  |  |
| **30** |  |  |  |  |  | **95** |  |  |  |  |  |
| **31** |  |  |  |  |  | **96** |  |  |  |  |  |
| **32** |  |  |  |  |  | **97** |  |  |  |  |  |
| **33** |  |  |  |  |  | **98** |  |  |  |  |  |
| **34** |  |  |  |  |  | **99** |  |  |  |  |  |
| **35** |  |  |  |  |  | **100** |  |  |  |  |  |
| **36** |  |  |  |  |  | **101** |  |  |  |  |  |
| **37** |  |  |  |  |  | **102** |  |  |  |  |  |
| **38** |  |  |  |  |  | **103** |  |  |  |  |  |
| **39** |  |  |  |  |  | **104** |  |  |  |  |  |
| **40** |  |  |  |  |  | **105** |  |  |  |  |  |
| **41** |  |  |  |  |  | **106** |  |  |  |  |  |
| **42** |  |  |  |  |  | **107** |  |  |  |  |  |
| **43** |  |  |  |  |  | **108** |  |  |  |  |  |
| **44** |  |  |  |  |  | **109** |  |  |  |  |  |
| **45** |  |  |  |  |  | **110** |  |  |  |  |  |
| **46** |  |  |  |  |  | **111** |  |  |  |  |  |
| **47** |  |  |  |  |  | **112** |  |  |  |  |  |
| **48** |  |  |  |  |  | **113** |  |  |  |  |  |
| **49** |  |  |  |  |  | **114** |  |  |  |  |  |
| **50** |  |  |  |  |  | **115** |  |  |  |  |  |
| **51** |  |  |  |  |  | **116** |  |  |  |  |  |
| **52** |  |  |  |  |  | **117** |  |  |  |  |  |
| **53** |  |  |  |  |  | **118** |  |  |  |  |  |
| **54** |  |  |  |  |  | **119** |  |  |  |  |  |
| **55** |  |  |  |  |  | **120** |  |  |  |  |  |
| **56** |  |  |  |  |  | **121** |  |  |  |  |  |
| **57** |  |  |  |  |  | **122** |  |  |  |  |  |
| **58** |  |  |  |  |  | **123** |  |  |  |  |  |
| **59** |  |  |  |  |  | **124** |  |  |  |  |  |
| **60** |  |  |  |  |  | **125** |  |  |  |  |  |
| **61** |  |  |  |  |  | **126** |  |  |  |  |  |
| **62** |  |  |  |  |  | **127** |  |  |  |  |  |
| **63** |  |  |  |  |  | **128** |  |  |  |  |  |
| **64** |  |  |  |  |  | **129** |  |  |  |  |  |
| **65** |  |  |  |  |  | **130** |  |  |  |  |  |

**CONTENTS**

[1.0 INTRODUCTION 4](#_Toc133077694)

[2.0 SUB VENDOR LIST 5](#_Toc133077695)

1. **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.

**GENERAL DEFINITION**

The following terms shall be used in this document.

|  |  |
| --- | --- |
| CLIENT:  | National Iranian South Oilfields Company (NISOC)  |
| PROJECT: | Binak Oilfield Development – General Facilities |
| EPD/EPC CONTRACTOR (GC):  | Petro Iran Development Company (PEDCO) |
| OWNER:  | OWNER is collectively refer to National Iranian South Oil Company (NISOC) and Petro Iran Development Company (PEDCO) |
| EPC CONTRACTOR: | Joint Venture of : Hirgan Energy – Design & Inspection(D&I) Companies |
| VENDOR: | Havayar Company |
| 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. |
|  |  |
|  |  |

1. **SUB VENDOR LIST**

| **No.** | **Description** | **Company** | **Country** |
| --- | --- | --- | --- |
| 1 | Motor | SIEMENS | Germany |
| OME | Italy |
| WEG | Brazil |
| JEMCO | Iran |
| MOTOGEN | Iran |
| VEM PARS | Germany / Iran |
| SHANGHAI ELECTRIC | China |
| HYUNDAI | S. Korea |
| HYOSUNG | S. Korea |
| JIAMUSI | China |
| 2 | Electrical Heater | MAPNA PISHEH | Iran |
| FATI | Italy |
| 3 | Pressure Safety Valve | TECHNICAL | Italy |
| NACIONAL | Spain |
| LESER | Germany |
| KIASA | Iran |
| SAM | S. Korea |
| FARAVAR AZIN FELEZ | Iran |
| TAI MILANO | Italy |
| BEHBOOD FARAYAND RADMAN | Iran |
| 4 | Pressure & Temp Gauge | WIKA | Germany |
| INDUMART | Canada |
| SANGAN | Iran |
| 5 | Pressure Transmitter | SIEMENS | Germany |
| E&H | Germany |
| ROSEMOUNT | USA |
| WIKA | Germany |
| SANGAN | Iran |
| 6 | Pressure Regulator Valve | DRASTAR | S. Korea |
| KOPECS | S. Korea |
| SAMSON | Germany |
| ARCA | Sweden |
| POLNA | Poland |
| KIASA | Iran |
| 7 | Cable | ABHAR | Iran |
| ALBORZ | Iran |
| YAZD | Iran |
| SIMCAT | Iran |
| 8 | Manifold | PARS REGULATOR | Iran |
| WIKA | Germany |
| CONTROL FLUID | W.E. |
| S-LOK | South Korea |
| V-LOK | South Korea |
| 9 | Junction box | MASHIN SAZI | Iran |
| NOOR MEHVAR | Iran |
| DARIAN | Iran |
| 10 | Level Gauge | EYVAZ TECHNIC | Iran |
| BONETTI | Italy |
| OFFICINE | Italy |
| 11 | Control Valve | FISHER | USA |
| ARCA | Sweden |
| ITA PARTS | W.E. |
| POLNA | Poland |
| KOPECS | S. Korea |
| EYVAZ TECHNIC | Iran |
| MANKENBERG | Netherland |
| AMOT | England |
| 12 | PLC | SIEMENS | Germany |
| ALLEN BRADLEY | USA |
| SCHNEIDER | French |
| OMRON | Japan |
| 13 | Heat Exchanger | BEHRAN MOBADEL | Iran |
| HAVAYAR | Iran |
| FATEH SANAT KIMIA | Iran |
| ABAN AIR COOLER | Iran |
| 14 | Pressure Vessel | HAVAYAR /  | Iran |
| FATEH SANAT KIMIA | Iran |
| ATLAS EPCO | Iran |
| KAVEH MOBADDEL | Iran |
| 15 | Lube Oil Pump | SEIM | Italy |
| ALBANY PUMPS | UK |
| CLYDEUNION PUMPS | UK |
| KRACHT | Germany |
| POMPE GARBARINO | Italy |
| ROTO FLUID | India |
| ARIA SEPEHR KEYHAN | Iran |
| 16 | Lube Oil Filter | ANDISHE SHOMAL | Iran |
| FILTREC | Italy |
| HYDAC | Germany |
| PARKER | USA |
| INTERNORMEN | Germany |
| MAHLE | Germany |
| 17 | CW Pump | ASK | Iran |
| BERKEH | Iran |
| NAVID SAHAND | Iran |
| PETCO | Iran |
| PUMPIRAN | Iran |
| 18 | Coupling | ISCHTAR PARSE ALBORZ | Iran |
| TECHNO SANAT | Iran |
| FLENDER | Germany |
| NARA CO | S. Korea |
| KWANGSHIN | S. Korea |