

تسهیلات برق رسانی و انجام اصلاحات مربوط به چاه تعمیری BK12



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| PMR FOR DC CHARGER - BK12 | | | | | | | | |
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| پروژه | بسته کاری | صادر کننده | تسهيلات | رشته | نوع مدرك | سريال | نسخه | |
| BK | BK12 | PEDCO | 110 | EL | MR | 0005 | D03 | |

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طرح نگهداشت و افزایش تولید ۲۷ مخزن

PMR FOR DC CHARGER - BK12

نگهداشت و افزایش تولید میدان نفتی بینک

| Rev. | Date | Purpose of Issue/Status | Prepared by: | Checked by: | Approved by: | Client Approval |
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| D00 | Apr. 2022 | IFI | H.Shakiba | M.Fakharian | M.Mehrshad | |
| D01 | Aug. 2022 | IFI | H.Shakiba | M.Fakharian | M.Mehrshad | |
| D02 | Nov. 2022 | FI | H.Shakiba | M.Fakharian | M.Mehrshad | _ |
| D03 | Jun. 2023 | FI | H.Shakiba | M.Fakharian | A.M.Mohseni | _ |
| | | | | | | |

Class: 3 Client Doc. Number: F0Z-708325

Status:

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



تسهیلات برق رسانی و انجام اصلاحات مربوط به چاه تعمیری **BK12**



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REVISION RECORD SHEET

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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, required modifications on BK12 work over well (with electric power supply) shall be done.

GENERAL DEFINITION

The following terms shall be used in this document.

CLIENT: National Iranian South Oilfields Company (NISOC)

PROJECT: Binak Oilfield Development -Modifications on BK12

Work over Well & Electrification Facilities

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.



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2.0 GENERAL

- This document presents the item material requisitions for Contractor's use as appropriate.
- This material requisition covers the requirements for the design, manufacturing, testing and supply of Battery & Battery Charger of Wellpad No BK-12 as listed below. All equipment/devices/items shall conform to this requisition and all specifications which have been mentioned in attachment 1 of this material requisition.



The vendor's supply shall include:

| No. | Item | Description | Total QTY. |
|-----|--|---|------------|
| 1 | 110 VDC Battery & Battery Charger for Substation in well Pad BK-12 | 110 VDC-UPS, 3.17 kW DC charger according to specification mention in calculation & datasheet | 1 Set |

3.0 REFERENCE / ATTACHED DOCUMENTS

- **a.** Specified documents in attachment 1 shall be considered as a part of this material Requisition.
- **b.** All codes and standards which have been referenced in above mentioned specs shall be considered.
- c. In case of any conflict between the contents of this document or any discrepancy between this document and other project documents or reference standards, this issue must be reported to the CLIENT. The final decision in this situation will be made by CLIENT.

d. Deviations

Any exceptions/clarifications to codes/standards and specifications listed in attachment 1 must be clearly stated in a separate dedicated section of the proposal in the format submitted in attachment 3.

The proposed deviations/comments list shall include as minimum:

- Reference for the involved specification, chapter and paragraph.
- Technical justification for the non-compliance.
- Detailed description of the proposed alternative.

If no exceptions or clarifications exist, either for the complete referenced document or an individual paragraph, the supplier shall be considered to be in full compliance with the relevant document.



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The supplier may propose materials of equivalent or better quality compared to those indicated in the equipment data sheet. Even these cases shall be duly included/technically supported in the deviations/clarifications list.

4.0 SUBJECT OF THE SUPPLY

The supplier shall supply Battery & Battery Charger of well pad BK-12 The scope of supply is detailed at para. 5. The supplier shall include in the supply, all other equipment/devices/items not listed in the following, but necessary for a good design and a safe operation, taking into account process data and installation conditions such as area classification and climatic conditions.

The grade of shop assembly of the equipment/devices/items supplied shall be at maximum extent to facilitate site erection and pre-commissioning activities.

5.0 LIMITS OF SUPPLY

5.1 SCOPE OF SUPPLY

5.1.1 MAIN DESCRIPTION

1 set 110VDC Charger. According to "Data Sheets for DC Charger", "BK-SSGRL-PEDCO-110-EL-DT-0003".

The supplier shall assume overall responsibility for the design, manufacture, assembly, test and performance of all equipment/devices/items supplied as indicated in this requisition. This shall include, but not be limited to:

- Resolve engineering issues relating to equipment/devices/items within the scope of supply.
- Provide detailed design and documentation of all equipment/devices/items and components within the scope of supply in accordance with attachment 2 of this document.
- Provide all necessary information documents in order to allow the contractor to erect, install and verify the proposed equipment/devices/items.
- Implement a quality assurance plan
- The quality plan applied to the scope of supply shall include:
 - QA/QC Organization chart and procedures that shall be submitted for approval.
 - Plan for HOLD points in the production process proposed to PURCHASER for witness or approval particular activities.



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- Production schedule indicating main quality manufacturing processes, inspection and tests.
- Qualification of all personnel performing tests to be reviewed by the inspector
- Supplier shall also provide the description of the following quality activities:
 - o Sub suppliers products quality
 - Quality check and identification of the materials and equipment entering in their manufacturing shop.
- Calibration of test instruments and equipment
- · Provide detailed specifications and data sheets.

5.1.2 SPARE PARTS

Following items shall be considered (supplied) and included in the bid documentation:

- Spare parts for commissioning and start-up; a qualified and complete list based on PROJECT SPARE PART SUPPLY PROCEDURE (Doc. No. E&D-QC-SP-1).
- Spare parts for two years operation; a qualified and complete list based on PROJECT SPARE PART SUPPLY PROCEDURE (Doc. No. E&D-QC-SP-1).
- Capital spare parts (as option / if any)

5.1.3 OTHER ITEMS

Special tools required for installation and maintenance

5.2 EXCLUSIONS

The following items are excluded by the supplier scope of supply and will be provided by purchaser:

5.3 BATTERY LIMITS

The battery limits are summarized as follows:

Not Applicable

6.0 INSPECTION AND TESTS

The equipment shall be inspected and tested in accordance with the quality control plan issued by the supplier and approved by the PURCHASER before the award of the order. The QC plan shall at least be according to the PROJECT ITP PROCEDURE (Doc. No. ICE-EID-MI-SP01-Rev01 & ICE-EID-MI-SP02-REV-01) and data sheets (if any).

The supplier shall in any case conduct all the tests required by contractual documents, specifications, codes and standards, manufacturer standard quality system and keep the relevant documentation.



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7.0 VENDOR DOCUMENTATION REQUIREMENTS & SCHEDULE

- Vendor document shall be according to attachment 2 of this document.
- All documents, preliminary or final, are to be stamped and signed by the supplier.
- Failure in dispatch of the required documents shall cause the supply to be considered as unfulfilled.
- PURCHASER's approval does not relieve vendor, in any way, from his obligation to fulfill the requirements of the purchase order documents.
- All vendor drawings and documents shall be in English language.

All drawings and documents are to be identified as per clause 1 "GENERAL DEFINITION"

8.0 UNIT RESPONSIBILITY

VENDOR shall be responsible for the design, engineering, co-ordination, supply, delivery, testing, final check-out and satisfactory operation of the equipment/devices/items. The engineering coordination also includes responsibility for handing and expediting drawings.

Also VENDOR shall be responsible for ensuring that all relevant information and documentation is passed on the sub-suppliers.

9.0 GUARANTEE AND WARRANTY

All material and Equipment/Devices/Items in VENDOR's scope of work/supply shall be guaranteed by VENDOR.

The guarantee period shall be eighteen (18) months from the date of delivery or twelve (12) months from the installation date of each equipment/packages at site

VENDOR shall guarantee the performance of supplied items (if any).

VENDOR shall guarantee that the Equipment/Device/Item is suitable for the operating conditions herein specified, and that all materials and components are free from any defects; verifications of all calculations are in VENDOR's responsibility.

VENDOR shall unconditionally guarantee the materials and workmanship of all material and/or services. If, within the guarantee period, any defects occur which are due to faulty material and/or services included in his scope (design, manufacturing, inspection, testing, supply & etc.), VENDOR shall, at his own expense, repair or adjust the condition, or replace the material and/or services to the complete satisfaction of CLIENT's representative. These repairs, replacement or adjustments



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shall be made only at such time as will be least detrimental to the operation of the CLIENT's business.

VENDOR warrants promptly repairing or replacing the defective parts in the warranty period.

Vendor shall ensure a correct and safe operation of the unit, providing all safety protection Devices.

Vendor shall be responsible for the safe, reliable, continuous functioning of the Equipment/Devices/Items.

VENDOR is fully responsible for the design of package for correct and safe operation based on project requirement during package life time; therefore, VENDOR shall specify any documents/specifications which may be required for design, manufacture and finalizing of Equipment/Devices/Items to avoid any problems during the package operation at site before P.O; otherwise, VENDOR shall be hold responsible for any corresponding deviation from expectations from the Equipment/Devices/Items.

10.0 DEVIATION

VENDOR's proposal shall be prepared in strict compliance with the requirements set forth in the relevant specifications of tender documents.

VENDOR shall include in his proposal the statement of compliance with the tender documents should VENDOR wish to submit exception to the requirements of tender documents. They shall be submitted for PURCHASER's approval.

11.0 PRICE BREAKDOWN

Breakdown price of following items shall be included in the proposal, as well as total price.

- 1) Material and Fabrication for each Section Separately
- 2) Pre-commissioning & commissioning spare parts (END-QC-SP-1)
- 3) 2 years operational spare parts (END-QC-SP-1)
- 4) Packing & transportation
- 5) Other fee (if any)

12.0 GUARANTY

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Operation and maintenance training courses shall be provided for at least 5 persons by manufacture.



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ATTACHMENT 1

LIST OF REFERENCE / APPLICABLE DOCUMENTS

| No. | Document No. | Document Title | Rev. |
|---------|-------------------------------|---|------|
| Proces | ss | | |
| 1. | BK-GNRAL-PEDCO-000-PR-DB-0001 | Process Basis of Design | D08 |
| Electri | cal | | |
| 2. | BK-GNRAL-PEDCO-000-EL-DC-0001 | Electrical System Design Criteria | D02 |
| 3. | BK-GNRAL-PEDCO-000-EL-SP-0005 | Specification for DC Charger | D03 |
| 4. | BK-SSGRL-PEDCO-110-EL-CN-0009 | Calculation Note for DC Charger of Well Pads | D04 |
| 5. | BK-SSGRL-PEDCO-110-EL-DT-0003 | Data Sheets for DC Charger of Well Pads | D04 |
| 6. | BK-SSGRL-PEDCO-110-EL-SL-0004 | Single Line Diagram for DC Charger of Well Pads | D03 |
| Genera | al | | |
| 7. | BK-GNRAL-PEDCO-000-QC-PR-0022 | Specification for Final Data Book (FDB) Requirements | D00 |
| 8. | BK-GNRAL-PEDCO-000-QC-PR-0045 | Packing , Marking , Transportation Procedure | D00 |
| 9. | ICE-EID-MI-SP01-Rev01 | دستورالعمل بازرسی، خرید و ساخت کالا | - |
| 10. | ICE-EID-MI-SP02-Rev01 | سطح بازرسی کالا و تجهیزات | • |
| 11. | E&C-QC-SP-1 | دستورالعمل تامین قطعات یدکی راه اندازی و راهبری دو سالانه | • |
| 12. | BK-GNRAL-PEDCO-000-PI-SP-0006 | Specification for Painting | D04 |
| 13. | BK-GNRAL-HD-000-PM-PR-0003 | Document Numbering Procedure | G04 |

ATTACHMENT 2

VENDOR DOCUMENTS MIN. REQUIREMENT

| | | With Bid | TIME SCHEDULE | | | | | | |
|----------|---|---------------------------|---------------------------|----------------------|---------------------------|-------------------------|--|--|--|
| o S | | With Bid | For Re | view | Fina | Issue | | | |
| Document | | Copies No./Type (7) | Copies No./Type (1) | Solar days (2) | Copies No./Type (1) | Calendar days (3) | | | |
| MANA | MANAGEMENT | | | | | | | | |
| 1. | Vendor Document Index and Schedule | 4N | 6C+E | | 6C+E | | | | |
| 2. | Organization Brief | 3N | 6C+E | | | | | | |
| 3. | Schedule Level 1, 2, 3 & 4 showing Engineering, Procurement, Fabrication, Inspection, Testing, and Delivery Plan. | 4N | 6C+E | | 6C+E | | | | |



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| | | Wat Bill | | TIMES | SCHEDULE | |
|----------|---|---------------------------|---------------------------|----------------------|---------------------------|-------------------------|
| 9 | | With Bid | For Re | view | Fina | l Issue |
| Item No. | Document | Copies No./Type (7) | Copies No./Type (1) | Solar days (2) | Copies No./Type (1) | Calendar days (3) |
| 4. | Physically Progress Report (Every 2 Weeks)) | | 6C+E | | | |
| 5. | Project Organization Chart | 3N | 6C+E | | | |
| 6. | Reference List | 3N | | | | |
| 7. | Vendor Catalogue | 3N | | | | |
| QUALI | TY | | | | | |
| 8. | Quality Assurance Manual /Quality Management System Certificate (according to latest rev. of ISO) | 4N | | | 6C+E | |
| 9. | Preliminary Inspection and Test Plan | 4N | | | | |
| 10. | Inspection and Test Plan | | 6C+E | | 6C+E | |
| HSE | | | | | | |
| 11. | HSE Procedure | | 6C+E | | 6C+E | |
| 12. | Noise & Vibrations Calculations / Reports (If any) | | 6C+E | | 6C+E | |
| 13. | ESD Instructions | | 6C+E | | 6C+E | |
| INTER | FACE | | | | | |
| 14. | Electrical & Instrumentation Cable Schedule (for all systems) | | 6C+E | | 6C+E | |
| 15. | Electrical & Instrumentation Wiring Drawings (for all systems) | | 6C+E | | 6C+E | |
| 16. | Package Data Sheets | 4N | 6C+E | | 6C+E | |
| 17. | Reliability, Availability, Maintainability Calculations/Reports | 4N | 6C+E | | 6C+E | |
| 18. | Performance Curves | | 6C+E | | 6C+E | |
| 19. | General Arrangements Drawings | 4N | 6C+E | | 6C+E | |
| 20. | Electrical Equipment List | 3N | 6C+E | | 6C+E | |
| 21. | Control, Instrument & Cable List | | 6C+E | | 6C+E | |
| 22. | Interface Block Diagrams | 3N | 6C+E | | 6C+E | |



تسهیلات برق رسانی و انجام اصلاحات مربوط به چاه تعمیری BK12



PMR FOR DC CHARGER - BK12

· 24 - · 74 - 9114

| I MIKT OK DO GHAKGEK - BK12 | | | | | | | | |
|-----------------------------|-----------|------------|---------|------|----------|-------|------|--|
| پروژه | بسته کاری | صادر کننده | تسهيلات | رشته | نوع مدرك | سريال | نسخه | |
| BK | BK12 | PEDCO | 110 | EL | MR | 0005 | D03 | |

شماره صفحه: ۱۲ از ۱۶

| | | With Did | TIME SCHEDULE | | | | |
|----------|--|---------------------------|---------------------------|----------------------|---------------------------|-------------------------|--|
| ġ. | | With Bid | For Re | view | Fina | l Issue | |
| Item No. | Document | Copies No./Type (7) | Copies No./Type (1) | Solar days (2) | Copies No./Type (1) | Calendar days (3) | |
| 23. | Junction Box, Local Panels & Cabinets: wiring diagrams & termination drawings | | 6C+E | | 6C+E | | |
| 24. | Utility Consumption List | 3N | 6C+E | | 6C+E | | |
| 25. | Power Supply Requirements | 3N | 6C+E | | 6C+E | | |
| 26. | Single Line Diagram | 3N | 6C+E | | 6C+E | | |
| ENGIN | EERING | | | | | | |
| 27. | Electrical Detailed Specifications (one per component) | | 6C+E | | 6C+E | | |
| 28. | Electrical Cables Routing (incl. cable trays & junction boxes) | | 6C+E | | 6C+E | | |
| 29. | Electrical Equipment Location Drawings (incl. provisions for operational and maintenance access) | | 6C+E | | 6C+E | | |
| 30. | Electrical Control Schematics | | 6C+E | | 6C+E | | |
| 31. | Instrument & Control Detailed Specifications (one per component) | | 6C+E | | 6C+E | | |
| 32. | Instrument cables routing (incl. cable trays & junction boxes) | | 6C+E | | 6C+E | | |
| 33. | Instrument Equipment Location Drawings (incl. provisions for operational and maintenance access) | | 6C+E | | 6C+E | | |
| 34. | Shipping Detail Drawing | | 6C+E | | 6C+E | | |
| 35. | Final Data Book | | 6C+E | | 6C+E | | |
| 36. | Electrical Equipment Catalogue | 3N | 6C+E | | 6C+E | | |
| 37. | Electrical Interface Block Diagrams | | 6C+E | | 6C+E | | |
| 38. | Local Control Station of motors wiring diagram, termination drawing and general arrangement | | 6C+E | | 6C+E | | |
| 39. | Gear System Detailed Specifications / Drawings | | 6C+E | | 6C+E | | |
| 40. | Coupling System Detailed Specifications / Drawings | | 6C+E | | 6C+E | | |
| PROCI | JREMENT | | | | | | |



تسهیلات برق رسانی و انجام اصلاحات مربوط به چاه تعمیری BK12



شماره پیمان:

· 24 - · 74 - 9114

| | PMR FOR DC CHARGER - BK12 | | | | | | |
|-------|---------------------------|------------|---------|------|----------|-------|------|
| پروژه | بسته کاری | صادر کننده | تسهيلات | رشته | نوع مدرك | سريال | نسخه |
| BK | BK12 | PEDCO | 110 | EL | MR | 0005 | D03 |

شماره صفحه: ۱۳ از ۱۶

| | | | | TIME | SCHEDULE | |
|----------|---|---------------------------|---------------------------|----------------------|---------------------------|-------------------------|
| <u>o</u> | | With Bid | For Re | view | Fina | Issue |
| Item No. | Document | Copies No./Type (7) | Copies No./Type (1) | Solar days (2) | Copies No./Type (1) | Calendar days (3) |
| 41. | List of Sub-Suppliers (table giving: part of equipment, tag no., sub-supplier reference)(5.1.3) | 4N | | | 6C+E | |
| 42. | Unpriced copy of sub-orders | | 6C+E | | | |
| MANU | FACTURING | | | | | |
| 43. | Heat Treatment Procedures | | 6C+E | | 6C+E | |
| TESTI | NG | | | | | |
| 44. | Hydrostatic / Pneumatic Testing Procedure | | 6C+E | | 6C+E | |
| 45. | Performance & Functional Test Procedure | | 6C+E | | 6C+E | |
| 46. | Non-Destructive Testing/Examination Procedures | | 6C+E | | 6C+E | |
| 47. | Factory Acceptance Test (FAT) Procedure | | 6C+E | | 6C+E | |
| 48. | Site Acceptance Test (SAT) procedure | | 6C+E | | 6C+E | |
| RECO | RDS, REPORTS & CERTIFICATES | | | | | |
| 49. | Material Conformity Certificate | | 6C+E | | 6C+E | |
| 50. | Testing Authority Approval Certificate (if any) | | 6C+E | | 6C+E | |
| 51. | Hardness Test Reports | | 6C+E | | 6C+E | |
| 52. | FAT Test Report / Certificates | | 6C+E | | 6C+E | |
| 53. | Performance Test Report / Certificates | | 6C+E | | 6C+E | |
| 54. | Electric Motor Type Test Report (if any) | | 6C+E | | 6C+E | |
| 55. | Electric Motor Routine Test Report | | 6C+E | | 6C+E | |
| 56. | Cable Continuity and Resistance Test Reports | | 6C+E | | 6C+E | |
| 57. | Inspection and Test Reports(if any) | | 6C+E | | 6C+E | |
| INSTA | LLATION | | | | | |
| 58. | Sub-Assembly Documentation | | 6C+E | | 6C+E | |
| 59. | Sub-Assembly Drawings | | 6C+E | | 6C+E | |
| 60. | Erection/Installation Manual (if required) | | 6C+E | | 6C+E | |



تسهیلات برق رسانی و انجام اصلاحات مربوط به چاه تعمیری BK12



شماره پیمان:

· 24 - · 74 - 9114

| PMR FOR DC CHARGER - BK12 | | | | | | | |
|---------------------------|-----------|------------|---------|------|----------|-------|------|
| پروژه | بسته کاری | صادر کننده | تسهيلات | رشته | نوع مدرك | سريال | نسخه |
| BK | BK12 | PEDCO | 110 | EL | MR | 0005 | D03 |

شماره صفحه: ۱۴ از ۱۶

| | | With Did | TIME SCHEDULE | | | | |
|----------|--|---------------------------|---------------------------|----------------------|---------------------------|-------------------------|--|
| ġ. | | With Bid | For Review | | Final Issue | | |
| Item No. | Document | Copies No./Type (7) | Copies No./Type (1) | Solar days (2) | Copies No./Type (1) | Calendar days (3) | |
| 61. | Name Plate Documents | | 6C+E | | 6C+E | | |
| 62. | Handling, Transportation & Storage Instructions | | 6C+E | | 6C+E | | |
| 63. | Unpacking & Inspection Instructions | | 6C+E | | | | |
| 64. | Preliminary Packing List | 4N | | | | | |
| 65. | Packing List | | 6C+E | | 6C+E | | |
| OPERA | ATION & MAINTENANCE | | | | | | |
| 66. | Operating Instructions | | 6C+E | | 6C+E | | |
| 67. | Maintenance Instructions (if required) | | 6C+E | | 6C+E | | |
| 68. | Commissioning & Start-up Manual | | 6C+E | | 6C+E | | |
| 69. | List of Spare Parts Commissioning & Start-up | 4N | 6C+E | | 6C+E | | |
| 70. | List of Spare Parts 2 Years Operation | 4N | 6C+E | | 6C+E | | |
| 71. | List of Special Tools | 4N | 6C+E | | 6C+E | | |
| OTHER | RS | | | | | | |
| 72. | All others documents (if required) will be listed in the order | | 6C+E | | | | |

NOTES:

- (1) N= Number of document, C=Copy, E=Electronic Copy
- (2) Starting from date of order placement
- (3) Starting from reception of documentation without comments
- (4) First issue of the document is subjected to the release of payment milestone as per purchase order
- (5) Calendar days after reception of drive data
- (6) Prior to testing
- (7) One copy each bid copy

List of Documents will be finalized in Vendor Document Index and Schedule.



تسهیلات برق رسانی و انجام اصلاحات مربوط به چاه تعمیری BK12



| پیمان: | تنماره |
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| | PMR FOR DC CHARGER - BK12 | | | | | | |
|--|---------------------------|-------|-----|----|----|------|-----|
| نسخه سریال نوع مدرک رشته تسهیلات صادرکننده بسته کاری پروژه | | | | | | نسخه | |
| BK | BK12 | PEDCO | 110 | EL | MR | 0005 | D03 |

شماره صفحه: ۱۵ از ۱۶

ATTACHMENT 3

Requisition No.:

Equipment No.:

Description:

DEVIATIONS / EXCEPTIONS TO JOB SPECIFICATION

| Item No. | Description of proposed exception | Recommended revision to job specification | Reason for proposed exception | Effect on base proposal if CONTRACTOR rejects exception |
|-------------|-----------------------------------|---|-------------------------------|---|
| | | | | |
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تسهیلات برق رسانی و انجام اصلاحات مربوط به چاه تعمیری BK12



| | شماره پیمان: |
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| • 24 - • 44 - | - 9114 |

| | PMR FOR DC CHARGER - BK12 | | | | | | | |
|-------|---------------------------|------------|---------|------|----------|-------|------|--|
| پروژه | بسته کاری | صادر کننده | تسهيلات | رشته | نوع مدرك | سريال | نسخه | |
| BK | BK12 | PEDCO | 110 | EL | MR | 0005 | D03 | |

شماره صفحه: ۱۶ از ۱۶

ATTACHMENT 4

Requisition No.:

Description:

ALTERNATIVES TO JOB SPECIFICATION

| quipment No.: | | | | | |
|---------------|---------------------------------------|--------------------------------------|---|------------------------------------|--|
| Item No. | Job Specification No. & Paragraph No. | Requirements of Job Specification | Description of Proposed Alternative | Reason for Proposed Alternative | |
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