

LTR-1000-203590

2018/07/12

Yes



To: Mr.A.V.Vostrikov

**Deputy General Director of Rusatom Service JSC for Operation Support –
ATEX JSC Managing Director**

**Sub: Dispatching the Specialists Needed from AO «Atomtechexport» and ZAO
“SNIIP-SYSTEMATOM” Co.**

Dear Sir,

Following the item 9 of M.O.M No.15566 dated 03.07.2018, please find the attached Application Form (Appendix 2) based on the Contract No. CNT-ETS/4100-1 dated February 25,2015 for dispatching the Specialists needed from ZAO “SNIIP-SYSTEMATOM” Co. for rendering services on Technical and Engineering Support (modernization of EP-PP, NFME and ESFIP).

You are kindly requested to make the necessary arrangements in this regard.

Sincerely yours

H.Ghaffari

Bushehr NPP Manager and Managing Director

Application for dispatch of specialists to *Bushehr NPP site/Tehran*

To the authorized representative of the Contractor

Please be notified that the following specialists are required to be dispatched for performing services on Technical and Engineering Support under the Contract № CNT-ETS/4100-1 of 25.02.2015 at *BNPP site* as per the following table. You are kindly requested to issue due instruction as to assign qualified specialists and take necessary implementation according to Appendix 4, i. 4.1.1 of the Contract

| № | Position | Grade | Organi- zation | Name | Period of dispatch | | Duties |
|---|--|---|---------------------|--------------------------------|--------------------|-------------------|---|
| | | | | | Starting date | Finishing date | |
| 1 | Chief specialist of NPP operation department | 9B Short-term dispatched personnel (based on Appendix 17 to Contract) | AO «Atomtechexport» | Dmitry Sergeevich Savkin | 21.07.2018 | 06.08.2018 | <p>Short-term dispatched personnel of Contractor on Bushehr NPP-1 site for performance of duties in accordance with the obligations specified in Appendix № 5 to Contract.</p> <p>Works associated with EP-PP, NFME and ESFIP modernization:</p> <ol style="list-style-type: none"> 1. Organization of work on EP-PP, NFME and ESFIP modernization; 2. Specification of the modernization activities related to each subsystem: EP-PP, NFME and ESFIP (specially the technical commercial detail of each subsystem); 3. Presenting a comparative report which compares new equipment with old ones; 4. Collecting needed documents related to modernization of EP-PP, NFME and ESFIP; 5. Taking compensating actions for supplying spare parts which can't be supplied in the framework of 4-year spare parts contract by the Rusatom Company (list of spare parts is attached); 6. Feasibility Study of Using the Existing |

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Penylov

| | | | | | | | |
|---|---------------|---|----------------------|------------------------------|------------|------------|--|
| | | | | | | | Equipment, NFME Sensors Installed as well as the NFME Sensors Available in the Spare Parts for Modernization. |
| 2 | Lead engineer | 9B Short-term dispatched personnel (based on Appendix 17 to Contract) | AO «SNIP-Systematom» | Mikhail Valerevich Pestov | 21.07.2018 | 06.08.2018 | <p>Short-term dispatched personnel of Contractor on Bushehr NPP-1 site for performance of duties in accordance with the obligations specified in Appendix № 5 to Contract.</p> <p>Works associated with EP-PP, NFME and ESFIP modernization:</p> <ol style="list-style-type: none"> 1. Assessment of equipment condition; 2. Technical consultations; 3. Specification of the modernization activities related to each subsystem: EP-PP, NFME and ESFIP (specially the technical commercial detail of each subsystem); 4. Collecting needed documents related to modernization of EP-PP, NFME and ESFIP; 5. Taking compensating actions for supplying spare parts which can't be supplied in the framework of 4-year spare parts contract by the Rusatom Company (list of spare parts is attached); 6. Feasibility Study of Using the Existing Equipment, NFME Sensors Installed as well as the NFME Sensors Available in the Spare Parts for Modernization. |

Approved by the authorized representative of the Principal's

E. Deylami – BNPP-1 Deputy Chief Engineer for Engineering and Technical issues




| номер | №№/п | Old Serial № Peiment ADD55/59 | Код АКЗ оборудования, указанный в договоре на поставку | Класс безопаснос ти оборудовани я, к | Наименование оборудования, к которому принадлежит запчасть. Наименование запчасти, ее технические характеристики. Equipment name, which the spare part is to. Spare part denomination, its technical characteristics | Тип, марка, чертеж запчасти Type, mark, spare part drawing | Едини ца измере ния, unit | Коліч ество данной запас | Коліч ество запас тей, постав | for 1st year | for second year | for third year | for fourth year | Срок поставки (мес.) Delivery terms (months) | Срок хранения (лет) shelf life (years) | Срок службы (лет) Service life (years) | Вес ед. | Вес общ. | Условия хранения запчасти/тип атмосферы | Цена ед. контр., евро без НДС | Статус согласо вания |
|-------------|------|----------------------------------|--|--|--|---|---------------------------------------|-----------------------------------|---|-----------------|-----------------------|----------------------|-----------------------|---|--|--|---------|----------|--|---|----------------------------|
| 14-008.0000 | | | CY3 | | | | | | | | | | | | | | | | | | |
| 14-008.0165 | 1665 | A55-B54-1-181 | AOP-05R(JZA) | 4H | Клавиатура PCM301 order 70512212/ Keyboard PCM301 order 70512212, Bopla | | pcs | 4 | 0 | 0 | 0 | 0 | 0 | 17 | 3 | 10 | 0.2 | 0 | 3 (Ж3) | требуется замена т.к. снято с производства/ needs to be replaced because out of production | 3 |
| 14-008.0166 | 1666 | A55-B54-1-185 | KVKU-02R(10JZA) | 4H | Модуль 5101, Octagon Systems (блок питания)/ Module 5101, Octagon Systems (supply unit) | | pcs | 1 | 0 | 0 | 0 | 0 | 0 | 17 | 3 | 10 | 0.5 | 0 | 3 (Ж3) | требуется замена т.к. снято с производства/ needs to be replaced because out of production | 3 |
| 14-008.0167 | 1667 | A55-B54-1-187 | LA01), AOP-05R(JZA) | 4H | Модуль 5500, Octagon Systems (адаптер Ethernet)/ Module 5500, Octagon Systems (Ethernet adapter) | | pcs | 17 | 0 | 0 | 0 | 0 | 0 | 17 | 3 | 10 | 0.5 | 0 | 3 (Ж3) | требуется замена т.к. снято с производства/ needs to be replaced because out of production | 3 |
| 14-008.0168 | 1668 | A55-B54-1-188 | KTSK-01R(JZL) | 4H | Модуль 5600, Octagon Systems (дискретный ввод-вывод)/ Module 5600, Octagon Systems (Ethernet adapter) | | pcs | 12 | 2 | 0 | 1 | 0 | 1 | 17 | 3 | 10 | 0.5 | 1 | 3 (Ж3) | требуется замена т.к. снято с производства/ needs to be replaced because out of production | 3 |
| 14-008.0169 | 1669 | A55-B54-1-189 | KTSK-01R(JZL) | 4H | Модуль 5624, Octagon Systems (дискретный ввод/вывод) Module 5624, Octagon Systems (discrete input/output) | | pcs | 6 | 0 | 0 | 0 | 0 | 0 | 17 | 3 | 10 | 0.5 | 0 | 3 (Ж3) | требуется замена т.к. снято с производства/ needs to be replaced because out of production | 3 |
| 14-008.0170 | 1670 | A55-B54-1-190 | 05R(JZA),KTSK-01 | 4H | Модуль 5710, Octagon Systems (аналоговый ввод)/ Module 5710, Octagon Systems (analog input) | | pcs | 10 | 1 | 0 | 1 | 0 | 0 | 17 | 3 | 10 | 0.5 | 0.5 | 3 (Ж3) | требуется замена т.к. снято с производства/ needs to be replaced because out of production | 3 |
| 14-008.0171 | 1671 | New Item | KVKU-02R(10JZA) | 4H | Модуль 5750, Octagon Systems (аналоговый вывод)/ Module 5750, Octagon Systems (analog output) | | pcs | 1 | 1 | 0 | 0 | 1 | 0 | 17 | 3 | 10 | 0.5 | 0.5 | 3 (Ж3) | требуется замена т.к. снято с производства/ needs to be replaced because out of production | 3 |
| 14-008.0175 | 1675 | A55-B54-1-196 | KVKU-02R(10JZA) | 4H | Модуль LCD 4'40, Octagon Systems (цифровой дисплей)/ Module LCD 4'40, Octagon Systems | | pcs | 1 | 1 | 1 | 0 | 0 | 0 | 17 | 3 | 10 | 0.5 | 0.5 | 3 (Ж3) | требуется замена т.к. снято с производства/ needs to be replaced because out of production | 3 |
| 14-008.0176 | 1676 | A55-B54-1-199 | KVKU-02R(10JZA) | 4H | Модуль NFS110-7602P, Artesyn (AC/DC преобразователь)/ Module NFS110-7602P, Artesyn (AC/DC converter) | | pcs | 9 | 0 | 0 | 0 | 0 | 0 | 17 | 3 | 10 | 0.5 | 0 | 3 (Ж3) | требуется замена т.к. снято с производства/ needs to be replaced because out of production | 3 |
| 14-008.0236 | 1736 | New Item | AOP-05R(JZA) | 4H | Control unit BVC-45R | РУНК.467239.047 | pcs | 4 | 0 | 0 | 0 | 0 | 0 | 17 | 3 | 10 | 0.5 | 0 | 3 (Ж3) | Не были введены в эксплуатацию на АЭС / Do not be put into operation at the plant | 3 |
| 14-008.0237 | 1737 | New Item | AOP-05R(JZA) | 4H | Display unit BIC-73R | РУНК.467846.025 | pcs | 4 | 0 | 0 | 0 | 0 | 0 | 17 | 3 | 10 | 0.5 | 0 | 3 (Ж3) | Не были введены в эксплуатацию на АЭС / Do not be put into operation at the plant | 3 |