**Application Form**

**for the Engineering Services at the Principal`s Request**

**To: Authorized Representative of the Contractor**

Mr. Y. Pavlyutenkov

Please be notified of the following Engineering Services for your consideration and submit us necessary Technical Assignment and contractual terms and condition based on the Item 4.2, Appendix 4 as soon as possible.

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| **Name of Issue to be Settled** | Modernization and use of portable equipment for beyond design accident  | **Principal/****Principal`s Dept.** | Engineering Dep. |
| **Date of Request** | 26.11.2016 | **Deadline of the Response** | Two weeks after date of Request |
| **Description of subject:** According to the appendix A of stress test report developed in BNPP in 2011, NPPD supplied stress-test-related portable equipment as follows:1. Diesel Generator 2MW /10 KV Power supply for safety systems during the accident
2. Diesel Generator 0.2 MW /400 V Power supply for I&C systems
3. Pump for the injection of water into the primary circuit : Engine Driven Pump EDP (Q=150 m3/h, H=120 m)
4. Pump for the injection into the steam generator(s): Portable Pump Unit PPU (Q=150 m3/h, H=900 m)
5. Pump for the make-up of specific water reservoir(s): EDP (Q=500 m3/h, H=50 m)
6. Pump for the injection into the spent fuel pool: EDP (Q=40 m3/h, H=50 m)

In order to connect the aforementioned equipment to power systems and primary and secondary circuit pipelines, it is necessary to do modernization on the mentioned systems. Therefore, it is requested that you prepare and provide their relevant Technical Assignment.  |
| **Attachment** | **Electronic version of “Report on the analysis of safety of Bushehr NPP under extreme external impacts”.**  |

**Approved by Authorized Representative of the Principal**

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