 Nuclear Power Production & Development Company of IRAN (NPPD Co.)	Form of Qualification Registration	Code: FRM-4700-44
		Date: Winter 2022
Quality Management of BNPP-2 Project		Rev.: 0


BNPP 2&3 Project Manager


1. *Nuclear Power Production & Development Company of IRAN (NPPD Co.)* has reviewed the set of documents submitted by *«Limited Liability Company(LLC Corporation of JSC «ESKM»)»*, Russia with Application No.*BU2/2019-22* dated *27.02.2020* for assessment and making a decision to register the organization *«Limited Liability Company(LLC Corporation of JSC «ESKM»)»*, Russia that performs *Design of Equipment for BNPP Units 2&3.*

With due account to the positive results of review of the documents submitted,
The *Nuclear Power Production & Development Company of IRAN (NPPD Co.)* approves the Decision to involve *«Limited Liability Company(LLC Corporation of JSC «ESKM»)»*, Russia for performance of *Design of Equipment for BNPP Units 2&3.*

2. The Qualification Registration of *«Limited Liability Company(LLC Corporation of JSC «ESKM»)»*, Russia is hereby registered By *The Nuclear Power Production & Development Company of IRAN (NPPD Co.)* with No. *NPPD-BU2-OR-034.*

The *«Limited Liability Company(LLC Corporation of JSC «ESKM»)»*, Russia shall fulfill all attached validity conditions.

	Name & Surname	Position	Date	Signature
Approved by	H.Derakhshandeh	Vice President of AEOI and Managing Director of NPPD Co.	06.05.2023	



Atomic Energy Organization of Iran (AEOI)

Nuclear Power Production and Development Co. (NPPD Co.)

Validity Conditions

Of qualification registration No. NPPD-BU2-QR-034 Dated 06.05.2023, granted to Project Management Organization (PMO) for engagement of «Limited Liability Company (LLC Corporation of JSC «ESKM»)», Russia for Design of Equipment for BNPP Units 2&3.

1. Scope of Activities

«Limited Liability Company (LLC Corporation of JSC «ESKM»)», Russia (hereinafter referred to as the Participant Company) is capable for Design of following Equipment, for BNPP Units 2&3:

Item No.	Equipment name	KKS Code	Building	Seismic category Safety class	Seismic
1	After-cooler of industrial circuit in confined area	20KAA50AC001	Reactor building/ Inner containment 20UJA	3	II
2	After-cooler of industrial circuit in confined area	20KAA60AC001	Reactor building/ Inner containment 20UJA	3	II
3	Plate heat exchanger of emergency and planned after-cooling of primary circuit and cooling pond (set -2pcs)	23JNA30AC001	Reactor building/ Inner containment 20UJA	2	I
4	Plate heat exchanger of emergency and planned after-cooling of primary circuit and cooling pond (set -2pcs)	21JNA10AC001	Reactor building/ Inner containment 20UJA	2	I
5	After-cooler of industrial circuit outside the confined area	21KAA10AC002	Reactor building/ Inner containment 20UJA	2	I
6	After-cooler of industrial circuit outside the confined area	22KAA20AC002	Reactor building/ Inner containment 20UJA	2	I
7	After-cooler of industrial circuit outside the confined area	23KAA30AC002	Reactor building/ Inner containment 20UJA	2	I
8	After-cooler of industrial circuit outside the confined area	24KAA40AC002	Reactor building/ Inner containment 20UJA	2	I

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9	Plate heat exchanger of emergency and planned after-cooling of primary circuit and cooling pond (set -2pcs)	24JNA40AC001	Reactor building/ Inner containment 20UJA	2	I
10	Plate heat exchanger of emergency and planned after-cooling of primary circuit and cooling pond (set -2pcs)	22JNA20AC001	Reactor building/ Inner containment 20UJA	2	I
11	Pre-cooler of blow-through water samples cooler of steam generators	20QUN10AC002	Process premises of building 20UJA (20UKK)	3	II
12	Pre-cooler of blow-through water samples cooler of steam generators	20QUN20AC002	Process premises of building 20UJA (20UKK)	3	II
13	Pre-cooler of blow-through water samples cooler of steam generators	20QUN30AC002	Process premises of building 20UJA (20UKK)	3	II
14	Pre-cooler of blow-through water samples cooler of steam generators	20QUN40AC002	Process premises of building 20UJA (20UKK)	3	II
15	Plate heat exchanger of emergency and planned after-cooling of primary circuit and cooling pond (set -2pcs)	31JNA10AC001	Reactor building/ Inner containment 30UJA	2	I
16	After-cooler of industrial circuit outside the confined area	32KAA20AC002	Reactor building/ Inner containment 30UJA	2	I
17	After-cooler of industrial circuit outside the confined area	31KAA10AC002	Reactor building/ Inner containment 30UJA	2	I
18	After-cooler of industrial circuit outside the confined area	34KAA40AC002	Reactor building/ Inner containment 30UJA	2	I

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19	Plate heat exchanger of emergency and planned after-cooling of primary circuit and cooling pond (set -2pcs)	33JNA30AC001	Reactor building/ Inner containment 30UJA	2	I
20	Plate heat exchanger of emergency and planned after-cooling of primary circuit and cooling pond (set -2pcs)	32JNA20AC001	Reactor building/ Inner containment 30UJA	2	I
21	After-cooler of industrial circuit in confined area	30KAA50AC001	Reactor building/ Inner containment 30UJA	3	II
22	After-cooler of industrial circuit in confined area	30KAA60AC001	Reactor building/ Inner containment 30UJA	3	II
23	After-cooler of industrial circuit outside confined area	33KAA30AC002	Reactor building/ Inner containment 30UJA	2	I
24	Plate heat exchanger of emergency and planned after-cooling of primary circuit and cooling pond (set -2pcs)	34JNA40AC001	Reactor building/ Inner containment 30UJA	2	I
25	Pre-cooler of blow-through water samples cooler of steam generators	30QUN10AC002	Process premises of building 30UJA (30UKK)	3	II
26	Pre-cooler of blow-through water samples cooler of steam generators	30QUN20AC002	Process premises of building 30UJA (30UKK)	3	II
27	Pre-cooler of blow-through water samples cooler of steam generators	30QUN30AC002	Process premises of building 30UJA (30UKK)	3	II
28	Pre-cooler of blow-through water samples cooler of steam generators	30QUN40AC002	Process premises of building 30UJA (30UKK)	3	II

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In case of changing of mentioned scope of activities, the Participant Company shall inform PMO and request for extending of scope of present qualification registration.

2. General Requirements

2.1. The Participant Company shall carry out the applied activities in compliance with requirements of:

- Appendix "M" to the Contract for construction of BNPP-2 as well as safety codes and regulations of Russian Federation applicable to Nuclear Power Plants, the Participant Company Standards and other regulatory documents agreed upon by the Parties for the BNPP-2 construction Project;
- Quality Assurance Program of the Contractor activity during performance of works and rendering services for BNPP-2 Project, QAP (G);
- Established at the Participant Company Quality Assurance Program (QAP(M); BU2.0275.0.0.QM.QA0001, Revision B01);
- INRA licenses Validity Conditions ;
- Regulation for granting permits during Siting, Designing, Manufacturing, Construction, Commissioning and Operation of BNPP-2 No.INRA-NS-RE-053-10/02-0-Jul.2017;

2.2. Keep the number and qualification of the personnel at a sufficient level to conduct applied activities.

2.3. Develop a quarterly report regarding fulfillment of present Validity Conditions and submit it to PMO.

2.4. Develop a quarterly progress report regarding performance applied activities and submit it to PMO.

2.5. Inform PMO about commencement of activities on design of Equipment.

Additional conditions

2.6. The qualification registration is not subject to transfer to other organization; its action does not extend to other organizations carrying out activity together with this qualification registration.

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- 2.7. Have and apply set of regulations for determining the quality and reliability requirements of the applied activities.
- 2.8. NPPD Co. will supervise over fulfillment of present Validity Conditions and observation of safety assurance requirements by the Participant Company.
- 2.9. The Participant Company shall submit final revision of supporting documents (electronic copy) for registration to NPPD Co. 60 days after issuance of Qualification Registration.
- 2.10. NPPD Co. may, on its initiative or PMO/Participant Company, modify the present Validity Conditions.
- 2.11. NPPD Co. may suspend validity of present qualification registration in case of violation of the requirements of regulatory, design, engineering and process documentation or this Validity Conditions.

**Vice President of AEOI and
Managing Director of NPPD Co.**



A handwritten signature in blue ink, consisting of a series of loops and a horizontal line at the end.