



Israel Electric Corporation (IECo.)

Substation Projects Division

Substation Design Sector

Substation Equipment & Contracts Department



חברת החשמל
Israel Electric

Annexure BB - Threshold Conditions for Participation
BUSBAR AND BREAKER FAILURE PROTECTION FOR
SUBSTATIONS
Specification STR-1949

Participation in the tender proceedings is conditioned upon meeting or exceeding the below stated threshold conditions:

1. **Bidder's Role**

1.1 The bidder in this tender shall be:

1.1.1 Protection systems manufacturer

And / Or

1.1.2 Cubicle assembler

And / Or

1.1.3 System integrator

Or

1.1.4 Any legal entity that is neither a protection systems manufacturer nor a cubicle assembler nor a system integrator, provided that it is formally authorized by the protection systems manufacturer to provide full technical support in Israel (in this case Bidder shall provide formal authorization letter) .

1.2 The Bidder shall indicate below which of the above categories (1.1.1–1.1.4) applies to its proposal and shall complete the following fields accordingly. The Bidder shall also clearly describe the structure of the proposed solution, identifying all relevant parties involved in the supply of the offered equipment, including the protection systems manufacturer, cubicle manufacturer, and cubicle builder/integrator (as applicable), and specify the role and responsibility of each party.

Please fill in accordingly:

- Selected Category (mark one by X): ☐ 1.1.1 ☐ 1.1.2 ☐ 1.1.3 ☐ 1.1.4

- Protection Systems Manufacturer (BBP/BFP):

Name: _____ Country: _____

- Cubicle assembler:

Name: _____ Country: _____

- System Integrator:

Name: _____ Country: _____

- Manufacturer Authorization (if applicable):

☐ Yes (If yes – attach supporting documents)

[] No

- Description of Roles and Responsibilities:

The bidder will describe here who is responsible for design, supply, assembly, integration and support of each component (protection and cubicles):

[illegible]

- 1.3 In all cases where the Bidder is not the Manufacturer of the Protection Systems, the Bidder shall provide a signed declaration (Declaration № 1 in this document) of the Protection Systems Manufacturer, confirming:
- a) Full support of the Bidder in all engineering, configuration, commissioning and maintenance activities.
 - b) Commitment, within the Manufacturer's scope of supply, to support the Bidder in fulfilling its contractual obligations towards the Bidder, concerning warranty, technical support, spare parts supply and lifecycle services relating to the Manufacturer's supplied equipment.
 - c) Full responsibility for the performance and proper operation of the equipment, subsystems and components supplied by the Manufacturer, including their compliance with the requirements of this Tender and their proper integration into the overall protection system.

Failure to provide the required Manufacturer's Declaration Letter may result in disqualification of the proposal.

2. Experience:

- 2.1. The Manufacturer of the protection relays in this tender, and/or any affiliated company (as defined below) or companies of such manufacturer, shall have proven experience in production and supply of Busbar Protection and/or Breaker Failure Protection systems, similar* or identical to those proposed in this tender, during the **years 2021–2025 or 2022–2026**.

**"similar" is defined as: Busbar and Breaker Failure protections for substations for HV or EHV Switchgears).*

- 2.2. For the purpose of proving compliance with the required experience, the Bidder may rely on its own experience or of the Manufacturer of the offered protection relays and/or affiliated* company/ies to such Manufacturer and shall attach to its proposal supporting documentation to such affiliation.

**"affiliated company" means a legal entity which is held by the Manufacturer, or has holdings in the Manufacturer, or is held by a legal entity which has holdings in the Manufacturer, where holdings for this purpose are holdings in shares, directly or indirectly, in whole or in part).*

- 2.3. The required experience to be demonstrated during the years **2021–2025 or 2022 – 2026** shall meet all the following cumulative criterias:

- 2.3.1. The Manufacturer of the offered protection relays and/or any affiliated company or companies shall have produced and supplied at

least fifty (50) units of Busbar Protection and/or Breaker Failure Protection systems during the years 2021–2025 or 2022 – 2026.

2.3.2. The above experience shall include not less than ten (10) Busbar Protection and/or Breaker Failure Protection units in each and every calendar year during the years mentioned above.

2.3.3. The experience demonstrated shall include Busbar Protection and/or Breaker Failure Protection systems applicable to at least one of the following substation switchgear configurations:

- a. Single Busbar;
- b. Double Busbar;
- c. Circuit Breaker and a Half arrangement.

2.3.4. From the referenced fifty (50) units in cls. 2.3.1-2.3.3 above Bidder shall demonstrate that at least ten (10) Busbar Protection and/or Breaker Failure Protection systems have been supplied to OECD and/or EU member countries.

2.3.4.1. For each of the ten (10) referenced systems, the Bidder shall provide the end-user's name and country.

Please note: All ten (10) referenced systems may be supplied to the same end-user or to different end-users.

2.3.4.2. Out of these ten (10) referenced systems, at least two (2) systems shall have been in continuous operational use for a minimum period of twelve (12) months.

The Bidder shall also provide supporting evidence demonstrating continuous operational use for at least twelve (12) months. Such evidence may include, inter alia, an end-user confirmation letter, a commissioning report accompanied by an operational statement, service or maintenance records, or relevant operational logs.

In addition, for the 2 systems that have been in continuous operation, the Bidder shall provide complete contact details including contact person, telephone number and e-mail address.

2.4. In order to prove compliance with the above requirements, the bidder shall complete and sign the reference lists below through a qualified officer on behalf of the manufacturer.

(The reference list shall clearly indicate, for each reference, the relevant year of supply, the number of supplied units, the type of protection system, the substation configuration, the country, the end-user, the operation start date, and the total operational duration in months).

Table 1 – Total Experience – Clauses 3.3.1 - 3.3.3

Year	Product Description BBP / BFP / Integrated BBP+BFP	Switchgears Rated Voltage and configuration (Single Busbar / Double Busbar / CB and a Half) [kV]	Quantity
2021			
2022			
2023			
2024			
2025			
2026			
Total 2021–2025 Or Total 2022-2026			

Note: Additional rows may be added where necessary.

Table 2 – Supplied systems to OECD\EU – Clauses 3.3.1-3.3.3

No.	Product Description (BBP / BFP / Integrated BBP+BFP)	Substation / Project Name	Country in OECD	Contact Person Name Email & Phone (At least two (2) references ≥12 months operation. Additional references should be included)	Operation Duration (at least two projects)	Supporting Submitted Evidence (at least two projects Required only for the two operational references)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

The Manufacturer Signature: _____

The signer's name: _____

The signer's role: _____

Date: _____

- Notes:
 - ❖ The experience tables submitted shall be duly completed and signed by an authorized representative of the entity whose experience is being submitted in support of the Bid, whether the Manufacturer of the offered equipment or an affiliated company, as defined in this document.
 - ❖ The Bidder may submit an additional supporting document summarizing its experience and providing further details regarding the referenced projects. However, submission of such document shall not exempt the Bidder from fully completing all required tables as specified in this threshold condition.
 - ❖ All mandatory information shall be provided within the tables, in a clear and structured manner, and shall be duly signed as required.
 - ❖ The Bidder shall provide complete and accurate contact details for at least two (2) operational reference projects demonstrating ≥ 12 months of continuous operation. Additional contact details may be provided at the Bidder's discretion.
 - ❖ Failure to provide the required contact details for the two (2) operational reference projects may result in disqualification of the proposal.
 - ❖ All information provided in the experience tables shall be consistent with the supporting documents submitted. In case of inconsistencies, IEC reserves the right to reject the relevant references or the Bid in its entirety.
 - ❖ The Bidder shall ensure that each reference included in the tables is verifiable and supported by the relevant evidence, as specified in this threshold condition. References that cannot be verified by IEC may not be considered.
 - ❖ The Bidder shall ensure that the experience presented in the tables relates to the Manufacturer of the offered equipment and/or its affiliated company or companies only, as defined in this threshold condition.
 - ❖ Incomplete tables, missing data, unclear information, or lack of required signatures may result in disqualification of the Bid.

- ❖ IEC reserves the right to contact the provided end-users for verification of the submitted information, including confirmation of supply, commissioning and operational performance.

3. Local Representation and Technical Support Obligations

- 3.1. The Bidder awarded in this tender shall establish and maintain, throughout the entire duration of the Contract, a fully operational local technical support capability **in Israel** for the equipment supplied under this Tender. This shall include technical support, system configuration, commissioning assistance, fault diagnosis, fault resolution and training services for IEC personnel.
- 3.2. The local support capability shall be provided by an approved local representative, support team or subcontractor facility located in **Israel**, duly and expressly authorized in writing by the Manufacturer of the offered equipment to act on its behalf in all technical matters.
- 3.3. Where the Bidder does not maintain an existing technical support presence in Israel at the time of submission, the Bidder shall undertake to appoint, establish and train a qualified local support entity in Israel within a period not exceeding three (3) months from the date notified of award.
- 3.4. The Bidder shall be fully responsible for the continuous availability and performance of the approved local support entity. In the event that such local representative, subcontractor or support provider ceases operations, becomes insolvent, or is otherwise unable to fulfil its obligations, the Bidder shall promptly and proactively replace it with an alternative local support arrangement - subject to prior written approval by IEC - ensuring uninterrupted support capability.
- 3.5. The Bidder shall ensure the continuous availability of an IEC-approved local support entity, authorized by the Manufacturer, to receive fault notifications and provide timely technical support and assistance.
- 3.6. Without limiting the above, the Bidder shall ensure that initial response and commencement of technical support actions are provided within a period not exceeding forty-eight (48) hours from receipt of notification by IEC, as part of the required local support capability. (*this threshold requirement shall be read together with the technical support requirements set forth in Annexure B.*)

- 3.7. The local support capability shall include both remote and on-site support. Remote support shall be provided, as appropriate, by means of secure remote access, technical consultation, and video conferencing, for the purposes of system diagnosis, operational guidance and ongoing technical assistance. On-site support in Israel, including commissioning activities, testing, configuration and fault resolution, shall be available where required by IEC.
- 3.8. The Bidder shall ensure the availability in Israel of qualified personnel, tools and facilities necessary to support factory acceptance testing (FAT), proof of concept (POC), system configuration, testing and ongoing technical support of the proposed system.
Alternatively, the Bidder may appoint a certified subcontractor facility in Israel to fulfil the above obligations, subject to prior written approval by IEC and full compliance with all applicable cyber security, information security and regulatory requirements. Such subcontractor shall be certified in accordance with ISO 9001 or an equivalent standard, covering the scope of supply defined in the Specification.
- 3.9. The Bidder shall provide training services in Israel as part of the local support capability, including system operation, maintenance, configuration and troubleshooting for IEC personnel, as required under the Contract.
- 3.10. Details of the proposed local representative, support team and/or subcontractor facility - including scope of responsibility, authorization by the Manufacturer and relevant certifications- shall be submitted for IEC approval as part of the Tender submission or no later than ninety (90) calendar days from the date of award.

The Bidder Signature: _____

The signer's name: _____

The signer's role: _____

Date: _____

4. Undertaking regarding personnel

- 4.1. During the entire contract period and until the end of the warranty period, the Manufacturer(s) shall appoint at least one (1) English or Hebrew speaker engineer on each of the following themes: design, supervising, operation, maintenance and after sale services.
- 4.2. In order to demonstrate compliance with the threshold requirement above, the Bidder is required to submit Declaration № 2 in this document, duly filled in and signed by the Bidder and the Manufacturer (If the Bidder is not the manufacturer of the protection relays).

5. Quality Management System (QMS):

- 5.1. The Bidder shall submit a certificate attesting the compliance of the protection manufacturer with the requirements of the international standard ISO 9001, valid for the scope of design, manufacture, assembly, testing and supply of the protection equipment
For HV\EHV networks.
- 5.2. The certificate shall be valid on the last date set for submission of proposals in the Tender and shall clearly indicate the scope of certification.
- 5.3. The certificate must bear the name and symbol (logo) of the certifying body and the name and symbol (logo) of the accreditation body.
- 5.4. The certifying body shall be accredited by an accreditation body that is a member of the International Accreditation Forum Multilateral Recognition Arrangement (IAF MLA).

Note:

The submitted certificate shall be complete, legible and verifiable.

Expired certificates or certificates that do not cover the required scope of supply shall not be accepted.

This declaration must be fully filed and signed by the Protections manufacturer and the bidder

TO: THE ISRAEL ELECTRIC CORPORATION LIMITED (IECo.)

SUBJECT: DECLARATION № 1 FOR MANUFACTURER'S COMMITMENTS

We (The Manufacturer of the offered equipment), [Protection relays], (registration №.)
[], present this letter of undertaking as part of the proposal of ("the bidder")
[] in Tender №. [] declare that :

1. Undertaking as part of the proposal of ("the bidder") _____
in Tender №. _____

The manufacturing of the offered Protection relays is being manufactured in
COUNTRY AND ADDRESS:

2. We undertake all obligations specified in the Tender Documents insofar as they relate exclusively to the Equipment manufactured by us.
We confirm full responsibility for the performance, functionality, quality and compliance of the protection relays, software, firmware and related equipment manufactured and supplied by us, in accordance with the requirements of this Tender.
3. We undertake to provide Israel Electric Corporation (IECo.) and the bidder with all required technical support, software updates, maintenance, spare parts and product-related services necessary for the proper operation of the Equipment\Software manufactured by us throughout the Contract and Warranty Period.

	Bidder	Manufacturer
Company name:	[]	[]
Name of signing officer	[]	[]
Title of signing officer	[]	[]
Signature:	[]	[]
Date:	[]	[]
Stamp:	[]	[]

This declaration must be fully filed and signed by the Protections manufacturer AND the bidder

To: THE ISRAEL ELECTRIC CORPORATION LIMITED (IECo.)

SUBJECT: DECLARATION № 2 FOR BIDDER / MANUFACTURER'S COMMUNICATION CONFORMANCE

1. We (bidder / manufacturer), _____,
(registration №.) _____, present this letter of undertaking as part of Tender
№. _____.

We (manufacturer) _____, the undersigned below,
undertake to provide at least one technical **English or Hebrew fluent** speaking engineer, during
all the contract period duration and until the end of warranty period, on each of the following
themes: design, supervising, operation, maintenance and after sale services.

Is the Bidder also the Manufacturer of the offered equipment? Yes / No

	<u>Bidder</u>	Manufacturer
Company name:	_____	_____
Name of signing officer:	_____	_____
Title of signing officer:	_____	_____
Signature:	_____	_____
Date:	_____	_____
Stamp:	_____	_____