



EDD Material Approval for Development Projects and General Use

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1st Edition

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Citation

This guide can be cited as “EDD Material Approval for Development Projects and General Use”.

Reference Code

This guide can be referred to as “EDD/ESS/GD-01”.

Commencement

This guide shall come into operation once is approved by Electricity Distribution Directorate, noting that existing approvals executed in accordance with the previous requirements, shall be exempt from the additional provisions stated herein.

Notice

Written notices may be circulated from time to time to give convenient explanations; however, these notes are not part of this guide.

Amendments and Cancellation

This guide is subject to amendments and cancellation at any time.

Special Situations

Where special situations not covered by this guide, Electricity Distribution Directorate advice shall be sought in written form.

Deviations

Any intention to deviate from this guide shall be justified in written form to Electricity Distribution Directorate for approval or denial, and shall withhold any further action until the receipt of written approval of the said request.

Violations

In case of any violation to the provisions of this guide, Electricity Distribution Directorate will not be responsible for any delay in connecting the service to the Project.

Availability

This latest version of this guide can be found at Electricity & Water Authority official website <https://www.ewa.bh>.

Reference

In the event of discrepancy latest relevant regulations and standards adopted by the Kingdom of Bahrain shall take precedence at all times.

**Publication of this document is approved by EDD
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Definitions

“Kingdom” The Kingdom of Bahrain.

“EWA/Authority” Electricity & Water Authority, Kingdom of Bahrain.

“EDD/Directorate” Electricity Distribution Directorate.

“Engineering Services Section” Section under **EDD**, which is meant to handle **Material Approval**.

“Planning Section” Section under **EDD**, which meant to handle scheme approvals for **Development Projects**.

“Developer” The owner of the property, whether natural or legal, benefits from infrastructure services.

“MOIC” Ministry of Industry, Commerce, and Tourism.

“CRPEP” The Council for Regulating the Practice of Engineering Professions.

“Development Project” Investment and real estate development projects.

“EDD Network” 11kV and lower voltage systems that are owned by **EDD**.

“Developer Network” Electrical System which are fed via **EDD Network**, and owned by the **Developer**.

“Service Point” Demarcation point which distinguishes **EDD Network** from the **Developer Network**.

“List of EDD Descriptions/Specifications” List of standards applicable for **Materials** to be used in **EDD Network**.

“Applicable Technical Standards” List of standards applicable for **Materials** to be used in **Developer Network** or meant to be placed on local market for public consumption.

“Material” Type of equipment classified in latest **List of EDD Descriptions/Specifications** or **List of Applicable Technical Standards**.

“Material approval” Written confirmation that a manufactured or imported **Material** in compliance with the requirements of relevant regulations and standards.

“EDD Approved Type” Type of **Material** approved by the **Directorate** to be used in its **Electricity Distribution System**.

“Declaration of Compliance” Written assurance from consultant or supplier that the requested **Material** complies with the requirements of the latest relevant regulations and the standards.

“Material Safety Datasheet” Drawn up by manufacturers to identify protentional hazards associated with particular **Material**.

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1.0 Objective

1.1 The guide seeks to streamline the process of **Material Approval**; accordingly, it was purposely schemed to specify the following:

- Approval requirements in accordance to the latest relevant regulations and standards adopted by the **Kingdom**.
- Application submission provisions regardless of the mechanism used to apply for the approval.
- Obligations of manufacturers, suppliers, and consultants engaged in this process.

2.0 Scope of Application

2.1 Material Approval is applicable to any imported or manufactured **Material** procured at the **Developer** expense, which is meant to be used under the service conditions and system details of the **Kingdom**.

2.2 The approval ensures requested **Material** compliance to the requirements of the latest relevant regulations and standards adopted by the **Kingdom**. In the absence of such provisions, other relevant references adopted by below listed institutions in descending order of priority shall be followed:

- Gulf Standardization Organization (GSO).
- International Electro-Technical Commission (IEC).
- British Standards Institution (BSI).
- Other National Standards provided it is compatible with above standards.

2.3 Application types are mainly categorized based on approval validity, and where requested **Materials** shall be used with respect to the **Service Point**:

- Development Projects Approval: This approval is granted in written form by **Engineering Services Section** to consultants upon their request for particular **Development Project**.
 - 1) Maintained by EDD Approval: This approval is applicable for any **Material** which eventually it is meant to be used in the **EDD Network**.
 - 2) Maintained by Developer Approval: This approval is applicable for any **Material** which eventually it is meant to be used in the **Developer Network**.
- General Use Approval: This approval is granted in written form by **Engineering Services Section** to suppliers upon their request for a validity period of five years.

3.0 Related References

- 3.1 Legislative Decree No. (1) of 1996, with respect to electricity and water
- 3.2 Ministerial Decree No. (1) of 2005, with respect to the regulation of work in the field of electrical installations.
- 3.3 Ministerial Decree No. (2) of 2010, with respect to the regulations for electrical installations.
- 3.4 EDD Specification 721-0-0:2020 Classifications of Service Conditions for Supply of Equipment/Material.
- 3.5 Legislative Decree no. (71) of 2015 Concerning the adoption of the Gulf Technical Regulations for Low Voltage Electrical Devices and Equipment.
- 3.6 Legislative Decree no. (88) of 2010 Concerning the adoption of Two Gulf Regulations on G-Marking and General Product Safety, and Two Gulf Guides on Modules of Conformity Assessment and Notified Bodies.
- 3.7 Ministerial Decree No. (13) of 2006, with respect to the regulations of charges for the delivery of electricity and water services.
- 3.8 Ministerial Decree No. (25) of 2015, with respect to the cost collection of establishing and developing infrastructure in the reconstruction areas.
- 3.9 Ministerial Decree No. (11) of 2017 on the definition of categories and mechanisms for the collection of the cost of establishing and developing the infrastructure in the existing reconstruction areas and facilities.
- 3.10 Legislative Decree no. (27) of 2015 Concerning the Commercial Register.
- 3.11 Law No. 51 of 2014 with respect to Regulating the Practice of Engineering Professions to practice one or more engineering profession.

4.0 General Requirements

- 4.1 Requested **Material** shall be in compliance with the latest relevant regulations and standards, and it shall not cause any harm that endangers the safety of persons, property, or environment.
- 4.2 Any failure to comply with the compulsory provisions of the latest relevant regulations and standards adopted by the **Kingdom** shall result in denial or disconnection of electricity supply to the development.
- 4.3 Any intention to deviate from any provision of relevant regulations or standards shall be clearly brought to the attention of the **Directorate** for assessment and approval.

5.0 Application Submission Provisions

- 5.1 The applicant shall thoroughly read this guide and strictly comply with the provision of application submission stated herein.
- 5.2 The applicant shall make themselves thoroughly conversant with the latest relevant regulations and standards.
- 5.3 The applicant shall provide and update all information, documents, and samples necessary to demonstrate requested **Material** compliance with latest relevant regulations and standards.
- 5.4 The applicant shall carefully read all declaration provisions in the application form, and accordingly sign off the submission.
- 5.5 All provided information shall be accurate, correct and complete, and that the documents submitted along with the application are true, genuine and authentic.
- 5.6: All provided information and documents shall be relevant to the application, and there shall not be any additional submittals.
- 5.7 Granted approval will be immediately revoked if it is found to be violating any compulsory provision of the latest relevant regulations or standards adopted by the **Kingdom**.
- 5.8 Where submitted applications are no longer needed for any reason, the applicant shall inform **Engineering Services Section** in written form.
- 5.9 Where requested **Material** is under development or investigation due to any reason the application will be held until final decision is reached.
- 5.10 The application will be immediately rejected if any of the following provisions is violated:
- Submitted application shall be of applicable type in respect of requested **Material** type and where it shall be used with respect to the **Service Point**.
 - Applicant shall be licensed by concerned national body.
 - All submittals shall be true, genuine, and authenticated by the concerned party.
 - Applications shall be unique and does not duplicate one another, unless written justification is presented.
 - Resubmission shall be within one month from the date of written reply from **Engineering Services Section**.
 - Number of resubmission occasions for particular application shall not exceed three times.

6.0 Development Projects Approval

- 6.1** Development Project Approvals are applicable for any imported or manufactured **Material** procured at the **Developer** expense which eventually it is meant to be used in the **EDD Network** (Maintained by EDD Approval) or **Developer Network** (Maintained by Developer Approval).
- 6.2** The requested **Material** shall be of **EDD Approved Type** categorized in the latest published **List of EDD Descriptions/Specifications** (Maintained by EDD Approval), or latest published **List of Applicable Technical Standards** (Maintained by Developer Approval) ,where other types are requested it shall be subject to **Engineering services Section** assessment and approval.
- 6.3** These approvals shall be applied at planning and design stage once the scheme is approved by **Planning Section**. No **Material** shall be procured before the recipient of this approval in written form.
- 6.4** These approvals shall only be applied by consultant licensed by **CRPEP** to practice engineering profession in electrical field.
- 6.5** These approval are granted in written form by **Engineering Services Section** to consultants upon their request for particular **Development Project**.
- 6.6** Manufacturer to carry risk analysis upon request to identify hazards that might be presented by the requested **Material** and accordingly draw up **Material Safety Datasheet**.
- 6.7** In the process of applying for this approval, consultants are obliged to:
- Ensure that all **Planning Section** approvals are acquired before application submission.
 - Ensure **Material** compliance with latest relevant regulations and standards, and accordingly draw up **Declaration of Compliance** with a unique reference number, filled in accordance to **List of EDD Descriptions/Specifications** (Maintained by EDD Approval) or **List of Applicable Technical Standards** (Maintained by Developer Approval).
 - Provide all required information, and submittals listed in Table No.1 (Appendix A) necessary to demonstrate compliance of the requested **Material** with latest relevant regulations and standards.
- 6.8** After the requested approval is granted the consultant is responsible to:
- Ensure that approved **Material** is tested, shipped, and delivered in accordance to relevant regulations and standards.
 - Liaise with all concerned EDD sections until commissioning stage.
 - Retain all relevant information and documents for a period of 5 years from the date of Approval issuance, and present it upon request.
- 6.9** Using previously approved **Material** for different **Development Project** shall be subject to **Engineering Services Section** assessment and approval.
- 6.10** The **Authority** denies any liability in the event of non-performance of the approved **Material** to be used in the **Developer Network**.

7.0 General Use Approval

- 7.1** General Use Approval is applicable for any imported or manufactured **Material** procured at the **Developer** expense, which eventually it is meant to be placed in the local market for public consumption. The requested **Material** shall be of a type categorized in the latest published **List of Applicable Technical Standards**, where other types are requested it shall be subject to **Engineering services Section** assessment and approval.
- 7.2** The approval shall be applied before placing any **Material** on the local market for the first time; in case of renewal shall be at least one month before the expiry date of the precedent approval. No **Material** shall be placed on the market before the recipient of this approval in written form.
- 7.3** The approval shall only be applied by suppliers licensed by **MOIC** to supply **Materials** to the local market.
- 7.4** The approval is granted in written form by **Engineering Services Section** to suppliers upon their request for particular validity period.
- 7.5** **Manufacturer** to carry risk analysis upon request to identify hazards that might be presented by the requested **Material** and accordingly draw up **Material Safety Datasheet**.
- 7.6** In the process of applying for this approval demonstrated, suppliers are obliged to:
- Ensure **Material** compliance with latest relevant regulations and standards accordingly draw up **Declaration of Compliance** with unique reference number, filled in accordance to **List of Applicable Technical Standards**.
 - Provide all required information, and submittals listed in Table No.2 (Appendix B) necessary to demonstrate compliance of the requested **Material** with latest relevant regulations and standards.
- 7.7** After the requested approval is granted the supplier is responsible to:
- Ensure that approved **Material** is tested, shipped, and delivered in accordance to relevant regulations and standards.
 - Retain all relevant information and documents for a period of 5 years from the date of Approval issuance, and present it upon request.
- 7.8** Validity period of this Approval shall be for 5 years period, where expiry date is due supplier has to apply for renewal.
- 7.9** The **Authority** denies any liability in the event of non-performance of the approved **Material**.

Appendix A:
Development Projects Approval
[List of Submittals]

No.	Submittal Description	Maintained by EDD	Maintained by Developer
1	Application Form	Mandatory	Mandatory
2	Declaration of Compliance filled in accordance to Related Standards List (Signed by Consultant)	Mandatory	Mandatory
3	Technical Drawings for Requested Materials	Mandatory	Mandatory
4	Datasheets and Catalogues for Requested Materials	Mandatory	Mandatory
5	Complete Type / Special Test Reports and Certificates from EDD Approved Laboratory	Mandatory	Mandatory
6	Project Scope Bill of Materials (Approved by EDD Planning Section)	Mandatory	Mandatory
7	Laboratory Accreditation Certificate and Scope in accordance to ISO170025:2017	Mandatory	Mandatory
8	Quality Management System Certificate in accordance to ISO 9001:2005	Mandatory	Mandatory
9	Related Scheduel of Guarantee of EDD Specification (Signed by Manufacturer and Supplier)	Mandatory	Upon Request
10	HV Scheme Single Line Diagrams (Approved by EDD, Planning Section)	If Applicable	If Applicable
11	LV Scheme Single Line Diagrams (Approved by EDD, Planning Section)	If Applicable	If Applicable
12	List of Deviations from relevant Regulations and Standards	If Applicable	If Applicable
13	Technical Calculation Reports (Ex; Street Lighting, Power Factor Correction, Harmonics Suppression)	If Applicable	If Applicable
14	Environmental Managment System Certificate in accordance to ISO 14001:2005	Upon Request	Upon Request
15	Occupational Health and Safety Management System Certificate in accordance to ISO 45001:2018	Upon Request	Upon Request
16	List of Previous EDD Approvals and Awarded Tenders for Requested Materials	If Applicable	If Applicable
17	List of Project References for the herein Requested Materials	If Applicable	If Applicable
18	Sample of Requested Materials	Upon Request	Upon Request
19	Other Conformity Certificates (Ex; UL, CE) for Requested Materials	Upon Request	Upon Request
20	Material Safety Datasheet for Requested Materials	Upon Request	Upon Request
21	Technical Specifications for Requested Materials	Upon Request	Upon Request
22	Instruction Manual (ex; Installation, Operation, Maintenance) for Requested Materials	Upon Request	Upon Request

Table No.1: List of Submittals for Development Projects Approval

Appendix B:
General Use Approval
[List of Submittals]

No.	Submittal Description	Maintained by EDD
1	Application Form	Mandatory
2	Declaration of Compliance filled in accordance to Related Standards List (Signed by Consultant)	Mandatory
3	Technical Drawings for Requested Material	Mandatory
4	Datasheets and Catalogues for Requested Material	Mandatory
5	Complete Type / Special Test Reports and Certificates from EDD Approved Laboratory	Mandatory
6	Laboratory Accreditation Certificate and Scope in accordance to ISO170025:2017	Mandatory
7	Quality Management System Certificate in accordance to ISO 9001:2005	Mandatory
8	LV Scheme Single Line Diagrams (Approved by EDD, Planning Section)	If Applicable
9	List of Deviations from relevant Regulations and Standards	If Applicable
10	List of Previous EDD Approvals and Awarded Tenders for Requested Material	If Applicable
11	List of Project References for the Requested Material	If Applicable
12	Related Scheduel of Guarantee of EDD Specification (Signed by Manufacturer and Supplier)	Upon Request
13	Environmental Management System Certificate in accordance to ISO 14001:2005	Upon Request
14	Occupational Health and Safety Management System Certificate in accordance to ISO 45001:2018	Upon Request
15	Sample of Requested Material	Upon Request
16	Other Conformity Certificates (Ex; UL, CE) for Requested Material	Upon Request
17	Material Safety Datasheet for Requested Material	Upon Request
18	Technical Specifications for Requested Material	Upon Request
19	Instruction Manual for Requested Material (ex; Installation, Operation, Maintenance)	Upon Request

Table No.2: List of Submittals for General Use Approval