



**Distribution Code Review Panel**

# **Product Approval Procedure**

**Version 1.3  
October-2013**

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### List of Abbreviations

Sl. No.	Abbreviation used	Expansion / Meaning
1	OES	Oman Electrical Standards
2	DCRP	Distribution Code Review Panel
3	PAWG	Product Approval Working Group
4	AER	Authority for Electricity Regulation
5	IEC	International Electro technical Commission
6	MR	Minimum Requirement
7	PSRT	Product Specific Requirement Table
8	OHL	Over Head Line
9	ISO	International Standards Organization
10	DIN	Deutsches Institut für Normung e.V. (In English, German Institute for Standardization)
11	IEEE	Institute of Electrical and Electronics Engineers
12	ANSI	American National Standards Institute
13	GCC	Gulf Co-operation Council
14	XLPE	Cross Linked Polyethylene
15	SF6	Sulphur Hexafluoride
16	ACSR	Aluminum Conductor Steel Reinforced
17	LT	Low Tension
18	AAA	All Aluminum Alloy
19	HV	High Voltage
20	HT	High Tension
21	HRC	High Rupturing Capacity
22	RMU	Ring Main Unit
23	PG Clamp	Parallel Groove Clamp
24	DC	Direct Current
25	AC	Alternating Current

## **Introduction**

We, the Product Approval Working Group (PAWG) representing Distribution Code Review Panel (DCRP), welcome all suppliers, agents & manufacturers to submit prequalification documents for product approval with the DCRP. Our aim is to diversify products at distribution networks & to bring in the latest technology to our systems. Our customers have to assist us choosing the best quality products & work to be the first reviewers in quality adoption. We consider our customers/clients as our partners. Hence, we always seek their technical advice & support to meet our objectives.

Our procedural framework depends upon distribution code regulations & Oman electrical specifications. The following steps will guide requester how to register their products with DCRP.

## **Procedural Framework**

### **Clause- 1 Requirements and Submission methods;**

Requesters have to review Approved Product List & assure product within the list & confirm products classes which classified into three categories, namely Class A, B & C - elaborated at Product Classes Table (PCT) as per Annexure-D. Then obtain the application file from DCRP office after paying submission fees as mentioned at clause-2 of this procedure.

The application file has a guideline named minimum requirements which explains all requirements & has to be complied with at documents submissions.

Application file will be reviewed for submission completeness by PA engineer with supplier representatives. If any documents are missing the application file will not be accepted.

In addition, the following are documents to be enclosed;

1. A Covering letter from the local representative, requesting for approval. This shall be addressed to the Chairman of the Distribution Code Review Panel.
2. File shall have index and a paginating sequence matching guidelines of minimum requirements to facilitate in searching for any required information.
3. Deviation to any requirements of minimum requirements shall be presented at the beginning of the first chapter.
4. Undertaking letters of design persistency & factory location should be enclosed as minimum requirements.

**Clause- 2 Fees:**

All fees are paid at DCRP account through bank & there are non-refundable in any case including product rejection.

**a. Application forms:**

- Class A product OMR 15 (Rial Omani Fifteen only).
- Class B product OMR 10 (Rial Omani Ten only).
- Class C product OMR 5 (Rial Omani Five only).

**b. Product Registration fees (per visit):**

- Class A product OMR 2500 (Two thousand five hundred only)
- Class B product OMR 2000 (Two thousand only).
- Class C product OMR 1500 (One thousand five hundred only).

**c. Factory Inspection visit:**

- Travel expenses of tow engineers including air ticket on business class & accommodation with all comfortable facilities.
- Medical insurance.
- Issuing Visa and associated expenses.
- Arranging for delegate receiving at airport & to cover all transportation requirements.

### **Clause-3 Evaluation stages:**

Product evaluation undergoes five major stages, four of them have been indicated at guideline of MR. the progress of evaluation will depend upon the supplier/agent/manufacturers mainly. In so far as the DCRP is confident that the presented product is in line with the requirement of the OES standard and the relevant specifications and under the condition that the supplier/agent/manufacturers has presented documents as per this procedure guideline, then evaluation would not encounter delay.

The evaluation stages are as follows;

#### **Stage-1: Technical requirements review**

All Products shall comply with Oman Electrical Specifications OES-11, The General Specifications as a main and specifically each product to its associated specification. Annexure-A will assist supplier for choosing the required specification. Specifications are all available as free downloads at Authority of Electricity Regulation (AER) website under the sub-heading (Public Register) [www.aer-oman.org](http://www.aer-oman.org).

Suppliers, agents & manufacturers shall review our specifications carefully before applying for product approval. In the absence of the specifications in our website, the latest IEC standards shall apply and these shall be applied in conjunction with the OES-11 specification. In case of requirement differ between OES-11 and the IEC standards, the most stringent one shall prevail.

At this stage manufacturers have to comply with technical requirements & fill in the technical checklist of product to proof that it complied with OES. If the product compliance to International standards like IEC, European, and DIN, IEEE, and ANSI technical requirements compliance has been demonstrated, will add an important value to the technical stage.

Checklists of the products are available at DCRP website <http://www.dcrp-oman.com/notifications.html>. Suppliers have to download PDF editable format and shall fill in the offered features at the submission column. Manufacturers may not comply with few clauses, due to new technological innovations which have not been covered by our checklists yet. Hence, any superior standards & specifications could be accepted, especially if they have been adopted internationally. For the total deviations a list should be prepared and submitted at the beginning of this chapter as per guideline of MR.

A blank template at Annexure-E which provides the details of the format in which the schedule of deviations shall be filled up.

For products, which do not have checklists, we expect the manufacturers to build up a checklist after referring to our general specifications & IEC standards. The newly prepared list must contain a highly level of standards at its checking criteria.

Technical Checklists shall be duly signed & stamped by manufacturer. It will be considered as a technical agreement.

Guaranteed technical Particulars (GTP) is a mandatory requirement which must be filled & comply with the standards.



**Stage-2: Testing & certification review**

Applicants must submit all type tests, special tests, routine test certificates & reports from an internationally acclaimed independent third party Laboratory which is ISO 17025 certified. Test procedure / protocol / methodology must be illustrated with schematic diagrams showing connectivity of equipment under test. The tests should comply with OES testing requirements, IEC tests procedure & requirements as a minimum. Partial testing will not be acceptable.

Test certificates / reports that are more than five (5) years old require undertaking that no modification on design been applied within mention period.

All type tests submitted shall be done by the same manufacturer, for the same model/type and for product of the same country of origin.

In case that the manufacturer has not conducted type tests on the same specifications /model/ratings as per OES, then DCRP would encourage conducting those type tests under DCRP officials supervision.

**Stage-3: Drawing & manufacturer undertake review**

General assembly of product, Parts drawings & Typical Connection arrangements shall be submitted. Drawings must be very clear & self-explanatory. Legend & symbols explanation must be provided. In order to have clarity, all drawings from the manufacturer shall be presented with color printing A3 paper size.

Manufacturer undertakes letters has to be enclosed as per guild line of minimum requirement.

DCRP insists to submit product/equipment sub-supplier/raw materials origin & type/models details as per the soft copy word format list available at DCRP website.

Product/equipment sub-supplier/raw materials should have the following details;

- a. Main part description.
- b. Brand name (sub-supplier/factory).
- c. Model/type/trade name
- d. Country of origin.

In addition, DCRP need to discover what the technical strengths are at product that have been submitted for approval in which it differentiates its design & features compared to other products. Therefore salient features of product have to be filled & submitted as per soft copy format list available at DCRP website.

**Stage-4: Product supply reference & performance review:**

Products fall under classes B & C must be subjected to installation at Oman for a period of time. Evaluator has to decide at sample installation requirement & to inform supplier for sample submission by giving details of location to be installed at. This stage will start from the date of sample receiving.

Suppliers shall coordinate with evaluators for sample installation and type of samples that has been installed.

Sample should be monitored by supplier & evaluator. Consequently, a performance report shall be made concerning the sample, which has been installed in the relevant system.

Sample installation must consider the following points otherwise will not be accepted by PAWG:

1. To choose the worst environment of operation condition for the product to be installed for test & that depend on product.
  - Terminations, for instance, to be installed at the most dry areas.
  - OHL hardware at most humid areas.
  - Transformers & cables at the load centers.
2. To witness the installation by PAWG member or evaluator with presence & guidance of supplier / agent / manufacturer.
3. To update sample performance information after a period of time depending on sample technical characteristic & nature.

If the sample shows good performance after a full summer period at least without any failure or complaint then evaluator has to raise report to PAWG on the sample performance as up-to-date of report signing.

Supplier/agent/manufacture experience & list of clients in Oman, GCC, Middle East & Other countries with total number of Units installed on each country & year of supply has to be presented. Product usage experience & performance shall be submitted along with all evidences of supply record, performance certifications/reports, approval letters & purchase orders. That information's are very important to assure that the product is reputed & has a good history.

Product Specific Requirement Table (PSRT) may assist to classify minimum information & experience period required for each product to be eligible for use at Oman.

In addition Manufacturer's Profile & Experience as below bullet points need to be presented;

- Manufacturer shall present a brief introduction, organization chart & a list of products.
- Standard Catalogues & Technical specifications of products must be submitted. Only color prints/photographs of such products shall be presented.
- Quality management plan including quality assurance, inspection & testing plans.
- Product identification method & how to differentiate between product and other copied.
- ISO 9001, ISO 14001 & other certifications documents.
- The supplier/agent shall submit a profile & present their capabilities in representing the above manufacturer & submit a procedure in following up the product performance. Technical representative full contact details should be filled at application first page.
- Supplier / agent commercial registration documentations with Agency agreement shall be submitted.
- The local agent shall ensure that all the above points are complied with. Subsequently, the same shall be reviewed by a technically competent authority of the local agent and shall sign at guideline for minimum requirements & put his contact details.

**Stage-5: Inspection, Final PAWG review & Approval.**

This stage falls under three parts;

**Part-1 Analysis report preparation & PAWG comments collection**

- Evaluator should prepare the analysis form & present product to PAWG with following attachments:
  - 1- Major parts/materials Sub-suppliers List.
  - 2- Kit Contents List for Terminations & Joints (only).
  - 3- Salient features for the product.
  - 4- Technical Checklist copy.
  - 5- Technical Guaranteed Particulars.
  - 6- General arrangements drawings.
  - 7- Factory ISO certification copies.
  - 8- Type test certificate copy or Type test first two pages copy.
  - 9- Product photos or site installation photos.
  
- Evaluator should be present at PAWG meeting to discuss product evaluation or do update his/her company member on the evaluation result. Results of evaluation & sample performance will be discussed at PAWG meeting & the benefits and merits provide satisfactory results.
  
- Supplier/agent has to clarify & submit all required details & information requested by the evaluator.

### Part-2 Factory inspection & feedback

After PAWG acceptance & DCRP chairman nomination approval, supplier will be asked officially by the DCRP manger to prepare for inspection visit to manufacturer site to stand on the following:

- Manufacturing process, automation, machinery & management.
- Quality control system & certifications.
- Safety consideration in the product & the manufacturing process.
- Factory Acceptance Test (Routine test).
- Number of employees participating in production, skills, experience & qualification.
- In-house testing facilities.
- Year of establishment & Working capital.
- List of clients in country & worldwide.

Soft copy of factory inspection report is available at DCRP website.

[www.dcrp-oman.com](http://www.dcrp-oman.com)

Supplier / agent / manufacturer shall deposit the non-refundable registration fees at DCRP account at Respective Distribution Company heading DCRP as per clasue-2 of this procedure.

The suppliers shall be advised to submit invitation letters & medical insurance certificate on the name of visiting engineers covering all visit period at the destination country & to work clearing visa formalities including expenses.

Manufacturer has to submit visiting program & undertake to arrange for delegate receiving at airport & to cover all transportation requirements at the destination country.

DCRP shall pay the daily allowance for the deputed engineers.

### Part-3: PAWG final review stage & DCRP approval

PAWG meeting been held at the last Tuesday of every month regularly. All distribution companies been represented at PAWG & after the completion of analysis report preparation and factory inspection visit, the evaluator shall present project to next PAWG meeting.

PAWG will review the final results & would put its recommendation as per voting system adopted.

The final decision to the DCRP, which, in turn, would formally convey the same to the manufacturer.



### **Clasue-4 Approval Granting & Suspension**

PAWG recommendation are not totally considered as approval or rejection. Final decision would be to DCRP considering other governmental policies & legislations of allowing foreign products to enter the Sultanate of Oman market.

The granted approval is applicable on the product with same model & design been approved. If it's been discovered that supplier/agent/manufacturer is manipulated at design, not meeting distribution electrical system requirements, not supplying approved model & not considering Oman climatic condition requirements then it will be exposed to direct suspension.

**Suspension procedure is under review & targeted to be published by January 2013.**

- Note: For further information & details, suppliers / agents / manufacturers are encouraged to visit DCRP website, [www.dcrp-oman.com](http://www.dcrp-oman.com).
- For OES standards visit Authority of Electricity regulation website, [www.aer-oman.or](http://www.aer-oman.or)

**Annexure-A**  
**List of OES product-wise**

Srl	OES details	OES - GOVERNING PRODUCT	REMARKS
1	11KV & 33KV OVERHEAD LINES	1	Assigned to DCRP
2	UNDERGROUND CABLES	2	Assigned to DCRP
3	L.T. OVERHEAD LINES	3	Assigned to DCRP
4	REGULATIONS FOR ELECTRICAL INSULATIONS	4	Assigned to DCRP
5	TRANSFORMERS	5 – 5A – 6 – 36	Assigned to DCRP
6	GENERAL SPECIFICATIONS	11	Assigned to DCRP
7	SWITCHGEAR & ASSOCIATED EQUIPMENT	12A – 12B – 13 – 13A – 13B – 14 – 15 – 19 - 34 - 35	Assigned to DCRP UNLESS OES12B Assigned to GCRP
8	L.T. EQUIPMENT & MATERIALS	7 – 21A – 21B – 21C – 22A – 22B – 22C – 23 – 28 - 31	Assigned to DCRP
9	11KV & 33KV MATERIAL & EQUIPMENT	8 – 9 – 10 – 16A – 16B – 17 – 18 – 20 – 25A– 25C – 25D – 26A – 26B – 26C – 26D – 29 - 33	Assigned to DCRP
10	33/11 KV OUTDOOR SUBSTATION	30	Assigned to DCRP
11	33/11 KV INDOOR SUBSTATION	24	Assigned to DCRP

ANNEXURE –B

Major parts sub-suppliers list format

The following tabular format shall be filled up by the manufacturer during the course of the evaluation of the product with the PAWG:

Sl. No.	Description of Major part/ Component	Sub manufacturer /supplier	Country of origin	Brand/Model/type
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

....etc

### Annexure-C Products Specific Requirement Table

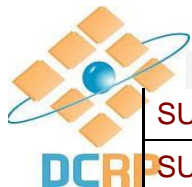
Item	Requirements	Class-A	Class-B	Class-C
1	Check List	Required	Required	Required
2-a	Type Test certificate & report	Required	Required	Required
	Type Test witnessing	If requested	If requested	If requested
b	Special tests	Required	Required	Required
	Special tests witnessing	If requested	If requested	If requested
c	Routine Tests Not older than (6) months	Required	Required	Required
	Routine Tests witnessing	Required	Required	Required
3-a	General Assembly Drawings	Required	Required	Required
b	Typical connection arrangements	Required	Required	Required
c	Parts Drawings	Required	Required	Required
4	Products Main Parts List	Required	Required	If applicable
5-a	Experience in GCC	Required for 2 Years if Not a National Product	Required	Required
	Minimum No. of Installed Units	Refer to products classification table		
b	Experience in Middle East	5 Years if Item 7 is Not Satisfied	Required for 2 Years if Not a National Product	Preferred
	Minimum No. of Installed Units	Refer to products classification table		
c	Experience in Other Places	10 Years if Item 9 is Not Satisfied	5 Years if Item 8 is Not Satisfied	Preferred
	Minimum No. of Installed Units	Refer to products classification table		
6	Certificates form Other Network Operators	3 Nos.	3 Nos.	If requested
7	Factory Site Visit	Required	Required	If requested
8	Other Site Visits	If requested	If requested	If requested
9	Sample Submission	Case-to-Case basis	Required	Required

# Annexure-D

## Products Classes Table

Category	Product	Class	Checklist availability
CAT-01	AIR BREAK SWITCHES (Isolators)		
SUB-CAT	(A) 11KV TYPE	B	yes
SUB-CAT	(A) 33KV TYPE	B	yes
CAT-02	RING MAIN UNITS		
SUB-CAT	(A) OIL TYPE	B	yes
SUB-CAT	(B) SF6 TYPE	B	
CAT-03	DISTRIBUTION TRANSFORMERS		
SUB-CAT	33/0.433KV & 11/0.433KV, 100, 200 & 315KVA.	B	yes
SUB-CAT	11/0.433KV 500 and 1000KVA	B	yes
CAT-04	DISTRIBUTION FEEDER PILLARS		
SUB-CAT	(A) 800AMPS 6 WAYS & 1600AMPS 8 WAYS	B	yes
SUB-CAT	(B) MINIFEEDER PILLAR-400A (6 WAYS)	C	yes
SUB-CAT	(C) 400 AMPS CUTOFF BOX WITH "J" TYPE FUSE COMPLYING OES-3	C	yes
CAT-05	CONSUMER UNITS & ACCESSORIES		
SUB-CAT	(A) METERING PANELS	C	yes
SUB-CAT	(B) MCCB	C	
SUB-CAT	(C) HOUSE SERVICE CUTOFF	C	yes
SUB-CAT	(D) ELECTROMECHANICAL METERS (SINGLE PHASE & THREE PHASE)	B	yes
SUB-CAT	(E) ELECTRONIC METERS (SINGLE PHASE & THREE PHASE)	B	yes
SUB-CAT	(F) TARIFF METERING PANELS	C	
CAT-06	CABLES		
SUB-CAT	(A) 33KV XLPE CABLES COMPLYING WITH OES-2	A	yes
SUB-CAT	(B) 11KV CABLES (XLPE)-COMPLYING WITH OES-2	A	yes
SUB-CAT	(C) LV CABLES (XLPE) COMPLYING WITH OES-2	B	yes
SUB-CAT	(F) FIBRE OPTIC CABLES	B	

CAT-07	PORCELAIN INSULATORS	C*	
SUB-CAT	(A) DISC INSULATORS - COMPLYING WITH OES-1		yes
SUB-CAT	(B) LINE POST TOP INSULATORS (33KV AND 11KV) COMPLYING WITH OES-1		yes
SUB-CAT	(C) SHACKLE INSULATORS FOR L.T. (COMPLYING WITH OES-3)		yes
SUB-CAT	(D) L.T. STAY INSULATOR SETS		yes
SUB-CAT	(E) 11 KV STAY INSULATOR.		yes
SUB-CAT	(F) 33KV STAY INSULATOR.		yes
SUB-CAT	(G) 33KV FIBER GLASS STAY INSULATORS		yes
CAT-08	SILICON RUBBER INSULATORS		
SUB-CAT	(A) 11KV & 33KV Tension insulator (long rod type).	C	
SUB-CAT	(B) 11KV & 33KV LINE POST TOP INSULATORS.	C	
CAT-09	CONDUCTORS		
SUB-CAT	(A) ACSR CONDUCTOR COMPLYING WITH OES-1	B	yes
SUB-CAT	(B) XLPE AL.CONDUCTOR COMPLYING WITH OES-3	B	yes
SUB-CAT	(C) ALL ALUMINIUM ALLOY (AAA) CONDUCTOR 180.7 SQ.MM.	B	yes
CAT-10	DROPOUT FUSE SET (11KV) WITH ARCING HORNS COMPLYING WITH OES-1 (REVISED)	B	yes
CAT-11	AUTO RECLOSERS		
SUB-CAT	(A) 11KV TYPE	A	yes
SUB-CAT	(A) 33KV TYPE	A	yes
CAT-12	11KV & 33KV LIGHTNING ARRESTORS WITH PORCELAIN INSULATION (GAPLESS TYPE)	B	yes
CAT-13	11KV & 33KV LIGHTNING ARRESTORS WITH POLYMERIC INSULATION	B	
CAT-14	ELECTRICAL POLES		
SUB-CAT	(A) WOODEN POLES-CONFORMING TO OES-1	B	yes
SUB-CAT	(B) CONCRETE POLES	B	
CAT-15	TERMINATIONS & JOINTS (LV, 11KV & 33KV)	B*	
CAT-16	OVERHEAD LINE HARDWARE	C*	
SUB-CAT	(A) ANTI CLIMING DEVICE		
SUB-CAT	(B) 4 BOLT TENSION CLAMP		
SUB-CAT	(C) CROSS ARMS FOR 11KV & 33KV		
SUB-CAT	(D) TIE BRACKETS FOR 11KV & 33KV		
SUB-CAT	(E) CABLE SUPPORT CHANNEL		
SUB-CAT	(F) TRANSFORMER SUPPORT CHANNEL		



SUB-CAT	(I) PILOT PLATE		
SUB-CAT	(J) GUSSET PLATE		
SUB-CAT	(G) ADJUSTABLE ARCING HORNS FOR D.O FUSE UNIT		
SUB-CAT	(H) BOLT FOR REEL INSULATORS		
CAT-17	STAY SET MATERIALS	C*	
SUB-CAT	(A) STAYWIRE - LT		
SUB-CAT	(B) STAYWIRE - HT		
SUB-CAT	(C) POLE TOP MAKE OFF (H.T) & (L.T)		yes
SUB-CAT	(D) GUY GRIP END (H.T) & (L.T)		yes
SUB-CAT	(E) STAY ROD L.T		
SUB-CAT	(F) STAY ROD H.T		
CAT-18	CABLE TILES 11KV & 33KV	C*	
SUB-CAT	(A) POLYETHYLENE CABLE TILES		yes
SUB-CAT	(B) CONCRETE CABLE TILES		
CAT-19	FUSES	C*	
SUB-CAT	(A) J TYPE FUSES FOR DISTRIBUTION FEEDERS & CUTOUT BOX		
SUB-CAT	(B) DIN TYPE FUSES FOR DISTRIBUTION FEEDERS & CUTOUT BOX		
SUB-CAT	(C) FUSE LINKS FOR D.O FUSE SET (11KV&33KV)		
SUB-CAT	(D) HV HRC FUSES FOR AB SWITCHES		
SUB-CAT	(E) RMU FUSES		
SUB-CAT	(F) CAPACITOR BANKS FUSES		
SUB-CAT	(G) HOUSE CUT-OUT FUSE LINKS(100A AND 80A)		
CAT-20	ELECTRICAL SIGNS & ALUMINUM PLATES	C*	
SUB-CAT	(A) DANGER PLATE & SUBSTATION IDENTIFICATION PLATE		
SUB-CAT	(B) NUMBERING PLATES		
CAT-21	CABLE TRAYS & ACCESSORIES.	C	
CAT-22	33/11.5 KV POWER TRANSFORMERS		
SUB-CAT	(A) 1, 3, & 6MVA RATINGS	A*	yes
SUB-CAT	(B) 10MVA RATINGS	A	yes
SUB-CAT	(B) 20MVA RATINGS	A	yes
CAT-23	EARTHING MATERIALS	C*	
SUB-CAT	(A) EARTHING CHAMBER		
SUB-CAT	(B) EARTH ROD & ACCESSORIES		



CAT-24	CONNECTORS	C*	
SUB-CAT	(A) P.G. CLAMPS		
SUB-CAT	(B) COPPER LUGS		
SUB-CAT	(C) BI-METALLIC LUGS		
SUB-CAT	(D) FERRULS		
SUB-CAT	(E) MID SPAN JOINT		
SUB-CAT	(F) WEDGE TYPE CONNECTOR		
CAT-25	SWITCHGEARS		
SUB-CAT	(A) 33KV OUTDOOR CIRCUIT BREAKERS	A	yes
SUB-CAT	(B) 11KV OUTDOOR CIRCUIT BREAKERS	B	yes
SUB-CAT	(C) 33KV INDOOR SWITCHGEAR	A	yes
SUB-CAT	(D) 11KV INDOOR SWITCHGEAR	A	yes
CAT-26	CAPACITOR BANKS		
SUB-CAT	(A) 11KV CAPACITOR BANKS (3MVAR)	A	yes
SUB-CAT	(B) 11KV CAPACITOR BANKS (5 MAVR)	A	yes
SUB-CAT	(C) 33KV CAPACITOR BANKS (20MVAR)	A	yes
CAT-27	PROTECTIVE RELAYS	A	
CAT-28	BATTERY CHARGERS	A	
CAT-29	D.C SYSTEM BATTERIES	B	
CAT-30	O/D 33KV Instrument transformers (C.T & V.T)	A	
CAT-31	O/D LV & 11KV Instrument transformers (C.T & V.T)	B	

\*: indicate that below subcategory products will be charged all as one application fees payment whether all submitted or only one.





**Annexure-F**  
**Maximum evaluation progress time frame**

S r l	New progress follow up		Done by	Percentage	Period for class C products	Period for class B products	Period for class A products
1	Technical requirements review stage		evaluator	20%	20 days	30 days	45 days
	Supplier compliance period		Supplier		15 days	20 days	20 days
2	Testing & certification review stage		evaluator	20%	30 days	45 days	60 days
	Supplier compliance period		Supplier		10 days	15 days	20 days
3	Drawing & performance collection stage		evaluator	20%	20 days	30 days	30 days
	Supplier compliance period		Supplier		10 days	15 days	20 days
4	Initial analysis preparation & PAWG comments stage		evaluator	20%	20 days	30 days	30 days
	Supplier compliance period		Supplier		10 days	15 days	20 days
5	Inspection , Final PAWG review & Approval	Report preparation	evaluator	20%	30 day	30 days	30 days
		Inspection visit	evaluator		15 days	15 days	15 days
		PAWG final review & Approval granting by DCRP	PAWG		15 days	15 days	15 days
Total period required for each product class				100%	215 days	260 days	315 days