

FE-101

SI-100-449 (2)
SI-100-SP2

OTDWA, November 6, 1969.

SPECIAL APPROVAL

Granted to:
Canadian General Electric Co., Ltd.,
940 Lansdowne Avenue,
Toronto, Ontario.

Subject: Three Only, Canadian General Electric Type "KG-138"
138KV., 60 Hz., LK00000XUKMUC000-5-5 ampere and
6000400-5 ampere Current Transformers, Serial Numbers
707620, 707621 and 707622.

Attention:
Mr. H. D. Maguire,
Manager-Engineering,
Distribution & Specialty Transformer Section

Special Approval has been granted by the Standards Branch for use
in Canada for billing purposes, to the above-named apparatus.

Each of these transformers has two primary windings and three secondary
windings.

The two primary windings can be connected in series or in parallel
by means of links.

Two of the secondary windings are tapped and are identified as the
"1", "2" and "3" winding with terminals Y1, Y2, Y3, Y4 and Z1, Z2, Z3, Z4 respectively.

The third, or "X" winding is untapped and has terminals identified as
"X1", "X2" only.

Only the following ratios and connections are covered by this approval:

ratio	Parallel Primary Connections	secondary terminals	accuracy rating at 60Hz on nominal
1200-5 amp	Y1-Y4, Z1-Z4		0.3B2.0
600-5 amp	X1-X2, Y1-Y3, Z1-Z3		0.3H2.0

Series Primary Connections

Ratio	Secondary terminals	accuracy rating at 60Hz on mesoplate
600-5 taps	X1-X4, Z1-Z4	0.312.0
400-5 taps	X1-X2, Y1-Y3, Z1-Z3	0.322.0
200-5 taps	X1-Y2, Z1-Z2	0.651.0

X1, Y1 and Z1 have the same polarity as H.

The accuracy ratings are 0.3BU.1, BO.2, BO.5, BO.9, H1.0, H1.8, H2.0 for the 600-5 and 400-5 taps, ratios of the "X" winding and the 1200-5, 400-5, 600-5 and 400-5 taps ratios of the "Y" and "Z" windings and 0.650.1, BO.2, BO.5, BO.9, H1.8, H1.0, H2.0 for the 200-5 tap ratio of the "Y" and "Z" winding.

The immediate gives the connections and the accuracy ratings as listed above.

These transformers are for use by the Calgary Power Limited at the East Calgary Sub-station.

E. J. Anderson

E. J. Anderson,
Assistant Director & Chief Engineer

(for) H. L. S. Fraser,
Chief, Electricity and Gas Division.

cc: Mr. A. S. Park, D.L. of EAG Calgary
Calgary Power Limited (through Mr. Park)
Mr. R. H. McKay, Regional Manager
Mr. K. C. Foster, Director, Operations Branch.