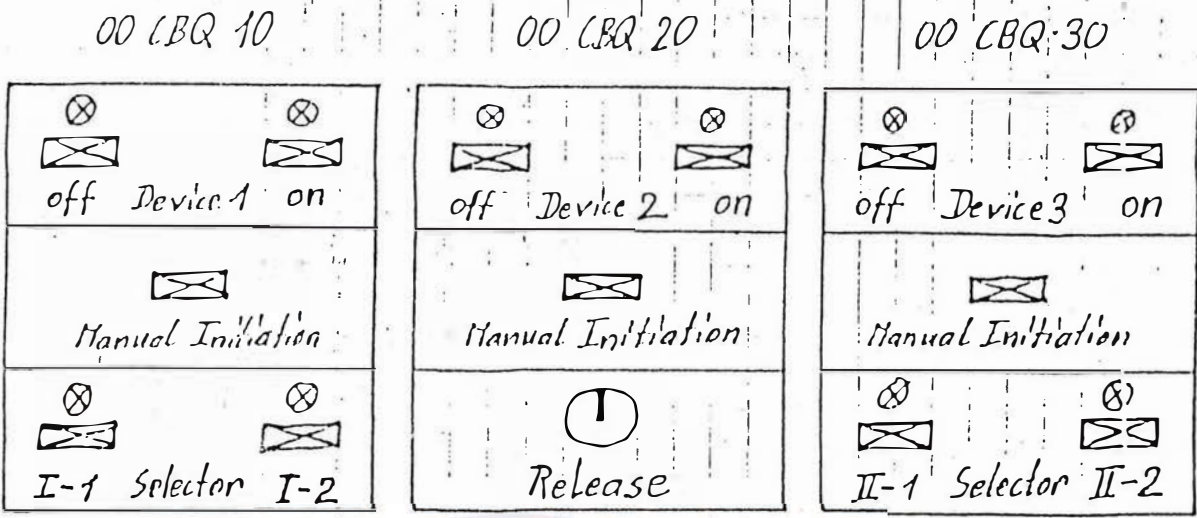


DAFTAR PUSTAKA

1. Asean Brown Boveri (ABB) : 7500 Jilid 3 “ Power Distribution dan Auxiliary Power Supplay “ Contrac No. Pj. 446 / PST / 85.
2. Asean Brown Boveri (ABB) : 7440 Jilid I “ Emergency Diesel Generator Plant” “ Contrac No. Pj. 446 / PST / 85.
3. Asean Brown Boveri (ABB) : 5450 Jilid 3 “ Water Treatment Plant” Contrac No. Pj. 446 / PST / 85.
4. Arehie W. Culp. Jr. Ir. Darwin Sitompul, M. Eng, “ Prinsip-prinsip konversi energi penerbit Erlangga.
5. A.S. Pasla, Ir. Abdul Hadi “ Sistem Distribusi Daya Listrik” Penerbit Erlangga.
6. Drs. Sumanto, MA “ Teori Transpomator Penerbit Andi Yogyakarta.



Manual Initiated Change Over: (see table 1)

- 1.) Release with Key switch
- 2.) Set change over device and selector according the choosen change over.
- 3.) "Change over device redy" indicates whether the selected change over is possible.
- 4.) Press Manual Initiation
- 5.) Remove Release Key

Caution: Before change over make sure that the choosen change over is safe and sensfull.

Protection Initiated Change Over: (see. table 2)

- 1.) Release with Key switch
- 2.) Change over device and selector according the actual operating configuration given in table 2
- 3.) Remove Key switch.

Caution: Only the operating configuration given in table 2 are allowed and provide the correct actions in case of a Unit 3 or 4 trip.

Date: 21-09-89	Aend.: Belawan 3+4	Enstand aus:
Visa: UNIVERSITAS MEDAN AREA		Ersatz für:
		Ersetzt durch:

Emergency Diesel

90 BRV 00

LAMPIRAN 2 Operation

ST1		ST2		ST3		ST4		ST5		ST6		ST7		ST8		ST9		ST10		ST11		ST12		ST13		ST14		ST15		ST16		ST17		ST18		ST19		ST20		ST21		ST22		ST23		ST24		ST25		ST26		ST27		ST28		ST29		ST30		ST31		ST32		ST33		ST34		ST35		ST36		ST37		ST38		ST39		ST40		ST41		ST42		ST43		ST44		ST45		ST46		ST47		ST48		ST49		ST50		ST51		ST52		ST53		ST54		ST55		ST56		ST57		ST58		ST59		ST60		ST61		ST62		ST63		ST64		ST65		ST66		ST67		ST68		ST69		ST70		ST71		ST72		ST73		ST74		ST75		ST76		ST77		ST78		ST79		ST80		ST81		ST82		ST83		ST84		ST85		ST86		ST87		ST88		ST89		ST90		ST91		ST92		ST93		ST94		ST95		ST96		ST97		ST98		ST99		ST100	
ST1		ST2		ST3		ST4		ST5		ST6		ST7		ST8		ST9		ST10		ST11		ST12		ST13		ST14		ST15		ST16		ST17		ST18		ST19		ST20		ST21		ST22		ST23		ST24		ST25		ST26		ST27		ST28		ST29		ST30		ST31		ST32		ST33		ST34		ST35		ST36		ST37		ST38		ST39		ST40		ST41		ST42		ST43		ST44		ST45		ST46		ST47		ST48		ST49		ST50		ST51		ST52		ST53		ST54		ST55		ST56		ST57		ST58		ST59		ST60		ST61		ST62		ST63		ST64		ST65		ST66		ST67		ST68		ST69		ST70		ST71		ST72		ST73		ST74		ST75		ST76		ST77		ST78		ST79		ST80		ST81		ST82		ST83		ST84		ST85		ST86		ST87		ST88		ST89		ST90		ST91		ST92		ST93		ST94		ST95		ST96		ST97		ST98		ST99		ST100	
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ST1		ST2		ST3		ST4		ST5		ST6		ST7		ST8		ST9		ST10		ST11		ST12		ST13		ST14		ST15		ST16		ST17		ST18		ST19		ST20		ST21		ST22		ST23		ST24		ST25		ST26		ST27		ST28		ST29		ST30		ST31		ST32		ST33		ST34		ST35		ST36		ST37		ST38		ST39		ST40		ST41		ST42		ST43		ST44		ST45		ST46		ST47		ST48		ST49		ST50		ST51		ST52		ST53		ST54		ST55		ST56		ST57		ST58		ST59		ST60		ST61		ST62		ST63		ST64		ST65		ST66		ST67		ST68		ST69		ST70		ST71		ST72		ST73		ST74		ST75		ST76		ST77		ST78		ST79		ST80		ST81		ST82		ST83		ST84		ST85		ST86		ST87		ST88		ST89		ST90		ST91		ST92		ST93		ST94		ST95		ST96		ST97		ST98		ST99		ST100	

Mode Selector:

OFF

MANUAL The Diesel can be started and stopped manually [I 0] 40A1

AUTO Normal Selector Position
The Diesel will start automatically in case of a black out and supply the Emergency Buses. 30 BMA - 90 BMA - 40 BMA

TEST The Diesel will start for routine testing

LOAD The Diesel will synchronize for parallel operation if the synchronizing mode is Auto.
The Power can be adjusted with the Potmeter [III] 55A6 Tower

Synchronizing: Caution: Manual synchronizing no interlock, Gen. Breaker closes at any phase position.

OFF

AUTO Normal Selector Position

MAN Breaker (Generator) can be closed manually by [Imp] 55A1 Speed adjustment [III] 55A6

SINGLE LINE DIAGRAM SWITCHYARD 150 KV PLTU

