Alpha
Engineering Consultant
2 ALEXANDRA ROAD, #03-03 DELTA HOUSE, SINGAPORE 159919.
TEL: (65) 276 2228 FAX: (65) 276 9929 E-MAIL: aec@alpha.com.sg

Our Ref: OM-LA/012

7 September 2000

MEMORANDUM

To: PDs/PMs/APMs/PAs/A&A Staff

From: Tan L S

NOTES OF MEETING BETWEEN ACES/IES/PUB/POWERGRID/POWER SUPPLY HELD ON 30 JUNE 2000

I am pleased to attach notes of the above meeting for your information.

The revised Form CS/11 – Declaration of the Earthing System should be used with immediate effect.

In the meantime, do let me know of any issues that you would like me to raise at the next dialogue session which is scheduled on 29 September 2000.

Tan L S

cc RT/LCT
Notice Board

enc

TLS/na

BCA
ISO 9000
CERT. NO.: 99/077
SS ISO 9001 : 1994

PUBLIC UTILITIES BOARD · SINGAPORE
111 SOMERSET ROAD #15-01 SINGAPORE 238164 • REPUBLIC OF SINGAPORE
TEL: 2358888 E-mail: pubweb@pub.gov.sg

Our Ref :

Your Ref :

ALPHA
06 SEP 2000
FAX RECEIVED

1 Sep 2000

Tel : 7313440
Fax : 7313073

Association of Consulting Engineers,
Singapore
51 Anson Rd #02-65
Anson Centre
Singapore 079904

Dear Sirs

NOTES OF MEETING BETWEEN ACES/IES/PUB/POWERGRID/POWER SUPPLY

We are pleased to forward the notes of meeting held on 30 Jun 2000 for your information. Please circulate to your representative(s) and inform them of the next meeting scheduled for 29 Sep 2000 at 2.30 pm at PUB 15th Storey Conference Room.

Yours faithfully

NG KONG
SR MANAGER (INSPECTORATE)
for DIRECTOR, REGULATION DEPARTMENT

ENC

ACES
President
Vice-Pres
Hon. Sec.
Hon Treas.
Date Recd 6 SEP 2000
Remarks/Action
Copies to:
ER. TAN LAI SIONG
ER. LEONG KOK YEONG
ACES Reps.

6/9/2000

CC: ER. NG ENG KIONG
Chairman, M/E Pract. C'ttee

Will include Item 2.1 in ACES Newsletter August Issue

Agnes

NOTES OF MEETING BETWEEN ACES/IES/PUB/POWERGRID (PG)/POWER SUPPLY (PS) HELD ON 30 JUNE 2000 AT 2.30 PM

Venue: PUB Regulation Department Conference Room

Present:		
	Er. Tan Lai Siong	ACES
	Er. Timmy Mok	IES
	Er. Ng Kong	PUB
	Er. Pang Boon Kiat	Power Supply
	Mr. Wang Hee Weng	Power Supply
	Er. Shen Sin Fon	PowerGrid
	Er. Lim Jit Meng	PowerGrid

Matters discussed:

1. Confirmation of Notes of Previous Meeting

The notes of the previous meeting on 25 February 2000 were confirmed.

2. Matters Arising

2.1 Form CS/11– Declaration of the Earthing System

The final version of the form CS/11 to include the declaration by the LEC was unanimously accepted in the meeting. A copy of the revised form has been attached for reference. PS will commence the use of this new form wef 1 August 2000.

2.2 Voltage Dips

PUB informed that they intend to initiate an incentive scheme to minimize the frequency of voltage dip occurrences. In this regards, they plan to post factual information on all voltage dip incidents on their PUB web site. However, this would be subject to their Board's approval. Once approved, a press conference would be arranged to announce this scheme. This is envisaged to be sometime in late July 2000.

The information provided would include the owner of the installation that caused the voltage dip, his licensing LEW and the supplier of the affected equipment/cables. This information would also include PG and genco's equipment/cables failures ~~and damages~~. PG requested that the party that caused the cable damage which attributed to the voltage dip to be also included in this information.

2.3 Cable Markers in Private Premises

Er. Timmy Mok said that some owners had queried him on the new cable markers that PG had installed within the customer premises. He requested PG to inform the owners about these cable markers. PG informed ACES and IES representatives about the new requirements under Section 69 of the Public Utilities Act regarding the marking of the electricity cables laid in any private land or premises that came into effect from 15 December 1999.

In accordance to this new requirement, PG had installed cable markers along the cable route laid within private premises to indicate its location. PG replied that all owners or occupiers of such private land or premises have been notified of the location of these cables and the precautions to be taken if any earthworks are to be carried out on such land or premises. PUB informed ACES and IES that the above measures are one of the many multi-prong approaches taken to minimize the voltage dip occurrences.

3. Next Meeting

The next meeting has been scheduled on Friday, 29 September 2000 at 2.30pm in PUB Regulation Department 15th Storey Conference Room.

FORM CS/11

Date:

DECLARATION OF THE EARTHING SYSTEM

Application No: _____

To: Power Supply Ltd
111 Somerset Road #06-01
Singapore Power Building
Singapore 238164
Attention: Manager (Installation)

PROJECT: ELECTRICITY SUPPLY TO _____

_____

1. I certify that the earthing system at the above installation has been installed in accordance with the Singapore Standard CP 16.

2. I declare in particular that:-

(a) Salt and other non-approved materials are not used to improve the earth resistance;

(b) Every joint is properly done by using copper bolt / brass bolt / cadweld;

(c) The earth-system is not connected to any other service system;

(d) The earth system is / is not* connected to building structure;

(e) Only approved earth electrodes and earthing clamps are used;

(f) The earthing system has been tested on _____ (date);

(g) The earth resistance value is _____ (ohms).

_____
Signature of Licensed Electrical Contractor

Name: _____ Licence No: _____

_____

I certify that the earthing system at the above installation has been installed under my supervision and to the best of my knowledge, it is installed in accordance with the Singapore Standard CP16.

_____
Signature of Licensed Electrical Worker

Name: _____ Licence No: _____

*Delete where inapplicable

cc Client: