

PQS Application No: 030701/A006

5 December 2001

Mr. Jen Kwong Hwa  
Managing Director  
Micron Semiconductor Asia Pte Ltd  
990 Bendemeer Road  
Singapore 339942

Dear Sir

#### **APPLICATION FOR POWER QUALITY SOLUTIONS (PQS) SCHEME**

This is with reference to your application of 21 June 2001 and subsequent revisions for grant under the Power Quality Solutions (PQS) Scheme.

2 We are pleased to inform you that Singapore Power Ltd (hereinafter called "SP") has agreed to provide a grant of S\$288,709.50 to Micron Semiconductor Asia Pte Ltd (hereinafter called 'the Company') under the PQS Scheme for your project as described in your application.

3 This grant shall be subject to the following terms and conditions:

##### **3.1 Technical conditions**

- (a) The Company shall implement the power quality solutions as indicated in the Company's application dated 21 June 2001 and subsequent revisions.
- (b) SP reserves the right to inspect and verify the implementation of the PQ solutions during any stage of the implementation.
- (c) SP reserves the right to ask the Company for voltage dips performance/data of the plant/equipment protected after implementation of the PQS.
- (d) The PQS Scheme does not support maintenance and repair or replacement / upgrading / repair of existing plant equipment not relating to enhancing voltage dip ride-through capability of the plant.
- (e) All power conditioning devices acquired under the PQS Scheme shall not be sold, leased out, relocated from its original site or otherwise disposed off within 3

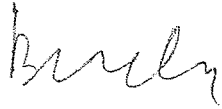
years from the date of completion of PQS, without first obtaining written approval from SP.

### 3.2 Financial terms

- (a) The grant is for 50% of the qualifying component of the total cost actually incurred for the installation of power quality solution per plant subject to the approved limit of the grant amount provided in paragraph 2 of this letter.
  - (b) The grant does not cover GST payments.
  - (c) Disbursements shall be made on a reimbursement basis upon application by the Company after implementation of all the power quality solutions as indicated in the Company's application dated 21 June 2001. Actual costs incurred in foreign currencies shall be converted into Singapore Dollars at the currency mid-market exchange rates traded on the foreign currency invoice date and published in the Business Times or Straits Times.
  - (d) The grant will be disbursed only after implementation of all the power quality solutions as indicated in the Company's application dated 21 June 2001 and upon the Company submitting a claim in accordance with paragraph 3.2(e) below.
  - (e) The claim must be submitted using the prescribed form attached and must be externally audited and the wording of the auditors' certification should follow that of the sample attached. The claim must be submitted to Singapore Power Ltd, c/o PowerGrid Ltd, Accounts Branch, 111 Somerset Road #08-02, Singapore Power Building, Singapore 238164, not later than 1 May 2003 for the implementation of the solution, failing which it will be disqualified.
  - (f) SP will only disburse claims which satisfy the conditions stipulated in paragraph 3.2(e) above.
- 4 SP reserves the right to recover from the Company the total amount of the grant released to the Company for any breach of condition under which the grant was approved.
- 5 The Company shall keep the terms and conditions of this PQS grant confidential. Such information shall not be released to any external party, the public or the press unless prior written consent from SP has been given. SP reserves the right to change the terms and conditions of this offer from time to time as may be specified and deemed necessary by SP.
- 6 If you are prepared to accept this offer of a grant under the conditions stipulated above, please sign the acceptance letter attached and return it to SP within 1 month from the date of this letter, failing which this offer shall be deemed to have lapsed.

7 We wish you every success in this project.

Yours faithfully



HEY BONG KOI  
VICE PRESIDENT (ACCOUNTS)  
SINGAPORE POWER LTD

Enc

PQS ACCEPTANCE OF GRANT LETTER

PQS Application No: 030701/A006

Date: 04 Jan 2002

Singapore Power Ltd  
111 Somerset Road #02-02  
Singapore Power Building  
Singapore 238164

Attention: Ms Sam May Yen

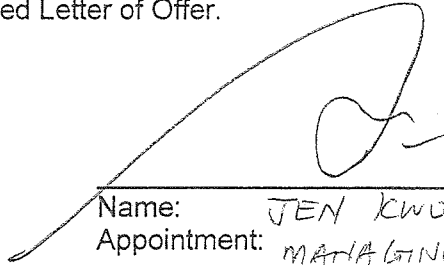
Dear Sirs

**ACCEPTANCE OF GRANT AWARD UNDER THE  
POWER QUALITY SOLUTIONS SCHEME**

1 I refer to your Letter of Offer dated

2 I confirm that my Company will be undertaking the development project as submitted to Singapore Power Ltd dated 21 June 2001 and subsequent revisions and that we accept the award of your grant of S\$288,709.50, subject to the terms and conditions set out in the abovementioned Letter of Offer.

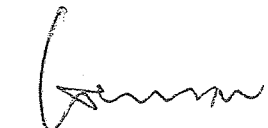
Signature



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Name: JEN KWONG HWA  
Appointment: MANAGING DIRECTOR

Signature



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Name: GEORGE NG  
Appointment: SITE SERVICES MANAGER

Company Stamp:

MICRON SEMICONDUCTOR ASIA PTE LTD  
990 Bendemeer Road  
SINGAPORE 339942

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Micron Semiconductor Asia Pte Ltd

**POWER QUALITY SOLUTIONS (PQS) SCHEME CLAIM SUBMISSION**

Company's PQS Application No: 030701/A006

Claim No:

Project No:

Project Title:

Project Commencement Date:

Project Expected Completion Date:

Total Grant: S\$

Cost Item	Funding Details		Claim Request		
	Direct Project Costs S\$	Grant Amount S\$	Actual Cost Incurred S\$	Amount Claimed S\$	Remarks
<b>(1) Equipment, Materials &amp; Consumables</b>					
- Equipment					
- Materials & Consumables					
<b>Total for (1)</b>	0	0	0	0	
<b>(2) Others (Please specify)</b>					
<b>Total for (2)</b>	0	0	0	0	
<b>GRAND TOTAL</b>	0	0	0	0	

We hereby certify that the statement and the accompanying supporting documents are correct and according to the terms and conditions of the grant, and that they have been verified to their original source documents.

Signature:  
Name of Managing Director:  
Date \_\_\_\_\_ Tel \_\_\_\_\_

Signature:  
Name of General Manager:  
Date \_\_\_\_\_ Tel \_\_\_\_\_

Request Audited By  
(Stamp of Audit Firm)

PQS EXTERNAL AUDITOR CONFIRMATION LETTER

Date:

Singapore Power Ltd  
c/o PowerGrid Ltd  
111 Somerset Road #08-02  
Singapore Power Building  
Singapore 238164

Dear Sirs

**POWER QUALITY SOLUTIONS (PQS) SCHEME  
FOR MICRON SEMICONDUCTOR ASIA PTE LTD**

I (We) refer to the request from the abovenamed Company to certify the correctness of the expenditures incurred by the Company in connection with the development of the Power Quality Solutions (PQS) Scheme of Singapore Power Ltd.

I (We) have verified the expenditures incurred by the Company for the qualifying period from \_\_\_\_\_ to \_\_\_\_\_, as stated in the attached claim statement, to the invoices, bills, payment vouchers and other relevant documents.

I (We) certify that the expenditures have been correctly stated and that they have been claimed in accordance with the Company's application dated 21 June 2001 and subsequent revisions submitted to Singapore Power Limited and Singapore Power Limited's letter of offer dated \_\_\_\_\_ which was accepted by the Company on \_\_\_\_\_.

Yours faithfully



**POWER  
GRID**

A subsidiary of Singapore Power

FAX NO. : 2903588

23 March 2001

Mr. Eldo Varghese  
Senior Facilities Engineer  
Facilities  
Micron Semiconductor Asia Pte Ltd  
Mail Stop 3025  
990 Bendemeer Road  
Singapore 339942

Your Ref : -  
Our Ref : PQS/MSA  
Tel : 4715702  
Fax : 4710125


Dear Sir,

**TERMS OF REFERENCE FOR POWER QUALITY AUDIT (PQA)**

I refer to our meeting on 21 March 2001

2. As mentioned, the power quality audit report to be submitted for PQS shall conform to the Terms of Reference (TOR) as prescribed under PQA. A copy of the TOR is attached for your information in general only.

Yours faithfully,

  
Daven Siew Chee Chon  
Engineer  
Power Quality & Load Analysis

Encl: PQA Terms of Reference

# SAMPLE ONLY

## TERMS OF REFERENCE FOR POWER QUALITY CONSULTANT

### WORK SCOPE

- Preparatory work before actual survey eg. collection of data, plant layout and equipment specifications, etc.
- Ascertain the vulnerability level of sensitive equipment/tools and process on site.
- Identify feasible mitigation measures.
- Perform cost/benefit analysis of the feasible solutions and recommend the most appropriate and cost effective solutions.
- Prepare an inventory of the equipment to be hardened with details of hardening measures to be adopted (checklist).
- Documentation of findings and recommendations.
- Presentation of findings and recommendations.

### METHODOLOGY

#### **Task 1 - Preparatory Work**

- 1.1 Collect all the necessary information for the survey. The Consultant shall provide a list of the information to be provided by the customers.
- 1.2 The Consultant shall identify the voltage dip sensitive tool/equipment of the customers' plant and prepare an inventory of these voltage dip sensitive equipment. Information shall include the model, brand name, serial number and association with which process, ratings etc.

#### **Task 2 - Ascertaining Vulnerability Level of Sensitive Tool/Equipment**

- 2.1 Conduct a joint site survey of the customers' plant facilities with the customers.
- 2.2 Review :-
  - Single-line drawings of electrical power distribution and
  - Schematics drawings including instruction manual of high-tech tools/equipment, process and facilities equipment impacted by voltage dips.



**WORK-IN-PROGRESS**

The Panel<sup>1</sup> reserves the right to witness the conduct of the PQA by the appointed Consultant.

**DELIVERABLES**

**Documentation of Findings and Recommendations**

The Consultant shall prepare a report that include all the information collected, analysis, findings, recommendations and inventory of equipment as described in the Terms of Reference. 3 copies of the Consultant's report shall be submitted to the EDB for circulation to Panel for comments.

**Presentation of Survey Findings and Recommendations**

The Consultant may be required to make a detailed presentation of the findings and recommendations to the customers and the Panel.

24 August 2000

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<sup>1</sup>Panel comprising PUB, EDB and PowerGrid. PowerGrid is involved in its capacity as grid operator.