



Mott MacDonald

Consulting Engineers

Abu Dhabi Office

PO Box 47094

Abu Dhabi

United Arab Emirates

E-mail: mottmac@mottmac.co.ae

Facsimile +971-2-445 7490

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132/33kV Substation at Sudah Port in Fujairah
CONTRACT No. N-5629.1 L

DRAWING / DOCUMENT COMMENT SHEET

To: I, & T ECC Construction Group

Fax No. + 971 2 6729873

Attn: Project Manager

Copy:

TRANSCO – Manager, Projects Division

02 694 4374

TRANSCO, AL Ain, Telecommunication System Manager

02 694 6253

TRANSCO, Al Ain, Head of E&C Department

03 767 3381

MML Site

XXXXXXXX

| | |
|----------------------------------|------------------------------|
| Doc. Transmittal Ref. : DTS-1238 | Comment Sheet Ref. : CS-1238 |
| Submission Date : 27.04.2013 | Date : 02.05.2013 |
| Receipt Date : 28.04.2013 | Previous Ref. : CS-1214 |
| | No. of days with MML : 4 |

| Item | Titles / Details | CSD No. N 5629.1 L | Rev | Status | Ret | Comment attached |
|------|---|-----------------------|-----|--------|-----|------------------|
| 1 | PQ Document of the Sub-contractor for 132kV Cable High Voltage Test (M/s PLQ Contracting) | EG 7510 M 820 | A | AEN | No | Yes |

Status: A = Approved, AEN = Approved except as noted, NA = Not Approved, FI = For Information only
Ret = Drawing returned with this comment sheet (Yes/No)

Comments of this submission :

1. Resonance frequency calculation shall be provided in order to build up the 132KV and all the necessary equipment shall be (additional capacitor) required based upon the final length of the cable to be tested between GIS to Transformer.
2. All the testing equipment valid calibration certificate shall be provided before commencing the test.
3. Your reply on comment item No. 4 is not acceptable. Because, tested circuit is not commissioned.

MML Check/Review Engineer

GN

Signed _____
for Mott MacDonald Ltd.



Signed _____
for TRANSCO



Note: The above comments and/or approval does not relieve the Contractor from his obligation in the Contract to ensure conformance to the Specification. Any Specification deviations found subsequent to approval are to be corrected by the Contractor to the satisfaction of the Owner/Engineer.



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NEW 132/33kV GIS SUBSTATION IN KALBA

CONTRACT No: N-8033

DRAWING / DOCUMENT COMMENT SHEET

To: Larsen & Toubro Ltd.

Fax No. 02 672 9873

Attn: Project Manager

Copy:

| | |
|---|-------------|
| TRANSCO – Manager, Projects Division | 02 416 4401 |
| TRANSCO, Al Ain, Telecommunication System Manager | 02 694 6253 |
| TRANSCO, Al Ain, Head of E&C Department | 03 767 3381 |
| SEWA, Planning & Design | 06 543 2211 |
| MML Site | XXXXXXXX |

| | |
|----------------------------------|------------------------------|
| Doc. Transmittal Ref. : DTS-1467 | Comment Sheet Ref. : CS-1467 |
| Submission Date : 10.04.2013 | Date : 14.04.2013 |
| Receipt Date : 10.04.2013 | Previous Ref. : CS-1458 |
| | No. of days with MML : 02 |

| Item | Titles / Details | CSD No. N-8033 EG | Rev | Status | Ret | Comment attached |
|------|--|----------------------|-----|--------|-----|------------------|
| 1 | Prequalification Document for 132kV Cables HV Test at KALBA Substation | 7510 L 571 | A | A | No | No |

Status: A = Approved, AEN = Approved except as noted, NA = Not Approved, FI = For Information only
Ret = Drawing returned with this comment sheet (Yes/No)

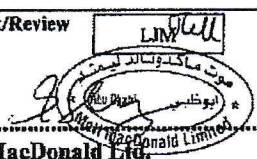
Comments on this Submission: -

No further comments.

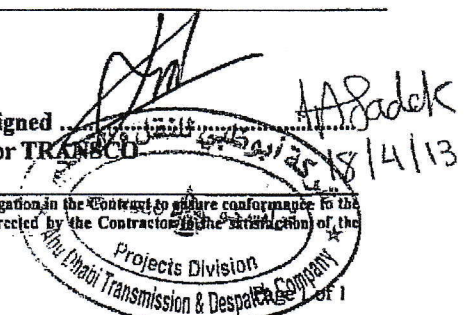
NOTE:- - Resonance freq. Calculation to be submitted before HV Test.
- Calibration Certificate for all testing equip. should be available before test.

MML Check/Review Engineer

Signed
for Mott MacDonald Ltd.



Signed
for TRANSCO



Note: The above comments and/or approval does not relieve the Contractor from his obligation in the Contract to ensure conformance to the Specification. Any Specification deviations found subsequent to approval are to be corrected by the Contractor to the satisfaction of the Owner/Engineer.

CS-1467

For information Only

Faxed to

Mott MacDonald

Consulting Engineers
 Abu Dhabi Office
 PO Box 47094, Abu Dhabi
 United Arab Emirates
 Facsimile +971-2-4457490
 Telephone +971-2-4457470

132kV OHL Fujairah -Dibba - Fujairah -Tawyeen Lot 1, 2 & 3
 CONTRACT NO. N 6734

DRAWING / DOCUMENT COMMENT SHEET

To : Instalaciones Inabenza S.A, Abudhabi. Fax No. 02-5550816
 Attn : Mr. Jos'e Leal del Ojo Chamorro.
 Copy : TRANSCO- Projects Division Manager By hand
 TRANSCO- Power Projects Department Manager
 Attn. Mr. V.Narayanan, Project Manager By Hand
 Head of Operation and maintenance, Al Ain Fax No.03 7613226
 MML Site Office, Fax No 09-2380184

| | |
|----------------------------------|--------------------------------|
| Doc. Transmittal Ref. : DTS-1112 | Comment Sheet Ref. : CS-1112 |
| Submittal Date : 25/03/2013 | Date : 04/04/2013 |
| Receipt Date : 25/03/2013 | MML Previous CS No. : - |
| | No. of Days with MML : 08 days |

| Item No. | Title / Details | CSD No. N - 6734 | Rev. | Status | Ret. | Comment attached |
|----------|--|------------------|------|--------|------|------------------|
| 1 | PQP Documents of M/s PLQ Contracting LLC for Cable Jointing, Termination and testing Works | CF 7500 L 2009 | - | A | No | Yes |

Status: As per TRANSCO Contract Document
 A = Approved, AEN = Approved Except as Noted, NA = Not Approved, NR = Approval Not Required
 Ret = Drawing returned with this comment sheet (Yes/No)

COMMENTS ON THIS SUBMISSION

Note: -

Based on submitted document, previous experience record and previous Transco approval, it is recommended PLQ to be approved.

MML Check/Review Engineer

(Signature)
 Signed
 for Mott MacDonald Ltd.

Signed.....
 for TRANSCO

Note: The above comments and/or approval are made after checking in accordance with the Contract and technical Specification. These do not relieve the Contractor from his obligation in the Contract to ensure conformance to the Specification. Any Specification deviations found subsequent to approval are to be corrected by the Contractor to the satisfaction of TRANSCO/Engineer.



L&T Construction
Power Transmission & Distribution

LTCG/ADAO/N-7133/437
Date: Dec 31, 2012

Fax: 02 - 4457 490

M/s. Mott Mac Donald Limited,
P.O. Box: 47094,
Abu Dhabi - United Arab Emirates

Kind Attn: Dr. Draagan Andelkovic, Principal Resident Engineer

Project: Contract No. N-7133 - New 132/11 kV Substation at Sir Baniyas Island.

Subject: CVs of Proposed Testing & Commissioning Engineer for 132kV Cable HV AC Testing

Dear Sir,

With reference to the above subject, please find enclosed herewith the CV of following Testing & Commissioning Engineer proposed for the Testing of 132kV Cable HV AC Testing.

- Mr. C.A. PREM KUMAR (M/s. PLQ Contracting LLC)
- Mr. S. NIRMAL KUMAR (M/s. PLQ Contracting LLC)

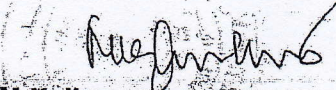
Please note the above Engineers are already interviewed by TRANSCO Engineers for Taweelah S/s and an official confirmation is awaited.

We kindly request you to review and kindly arrange for the clearance/approval at the earliest.

Thanking you and assuring you our best services always,

Yours faithfully,

For **LARSEN & TOUBRO LIMITED**
ECC DIVISION


M Kaliyamoorthy
Project Manager

Encl.: As above

Cc: **Mr. Seelam Rao, Project Manager, TRANSCO Projects**

ANSWERED 01 JAN 2013

ROM

| Mott MacDonald Abu Dhabi | | | | |
|--------------------------|--------|---|-----|------|
| To | A | I | Stn | Date |
| DA | ✓ | | 9 | 27 |
| | | | | |
| 02 JAN 2013 | | | | |
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| Log No | 9 | | | |
| File No | N-7133 | | | |
| Return to | | | | |

Larsen & Toubro Limited, Construction, Power Transmission & Distribution
Abu Dhabi Office : P.O. Box 30803, 401, Al Salmeeen Golden Tower, 4th Floor, Electra Road, Abu Dhabi
United Arab Emirates Tel : +971-2-6729136 Fax : +971-2-6729873

لارسن آند توبرو ليميتيد، إنشائات، نقل الطاقة و التوزيع
مكتب أبوظبي : ص.ب : ٤٠١٠٣٠٨٠٢، برج السلمين جولدن، طابق ٤، شارع إلكترو، أبوظبي
الإمارات العربية المتحدة، تليفون : ٦٧٢٩١٣٦-٢-٩٧١، فاكس : ٦٧٢٩٨٧٣-٢-٩٧١

Registered Office:
L&T House, N. M. Marg
Ballard Estate
Mumbai 400 001, INDIA



ABB AG • P O Box 8688 • Doha – Qatar

Name
Peter Schmidt

Phone +974 4253 817 Fax +974 431 4605

Mobile
+974 5857 513

E-Mail
peter.b.schmidt@de.abb.com

Our ref. (please quote)

Date
26.08.2009

To Whom it May Concern

Your reference

Your letter dated

Project: GTC/123/2006/A
Qatar Power Transmission System Expansion – Phase VII (Substations)
Subject: Activities by M/s. Power Link Qatar

This is to confirm that M/s. Power Link Qatar has carried out cable laying works for a.m. contract. The works comprised laying and fixing of EHV, HV and MV power cables with following technical data and approx. lengths.:

| | | |
|-------------------|---------|----------|
| 400kV, 2500 sqmm: | approx. | 3.000 m |
| 220kV, 2500 sqmm: | approx. | 22.000 m |
| 1600 sqmm: | approx. | 2.000 m |
| 1200 sqmm: | approx. | 2.000 m |
| 132kV, 800 sqmm: | approx. | 350 m |
| 66kV, 300 sqmm: | approx. | 650 m |
| 11kV, 630 sqmm: | approx. | 7.800 m |

Further works comprised termination works for 132KV, 66KV and 11kV cables as well testing of 132KV, 66 KV and 11kV cables.

All works have been substantially completed and respective feeders have been put in service.

Yours faithfully,
ABB - GTC/123/2006/A

Sen. Project Manager



Power Systems Division

Postal Address:
Postfach 10 03 51
68128 Mannheim
Germany

Visiting Address:
Kallstadter Straße 1
68309 Mannheim
Phone: +49 621 381- 0
Telefax: +49 621 381- 4318
Internet: www.abb.de/pt

Head Office: Mannheim
Registry Court: Mannheim
Comm. Register: HRB 4684
VAT: 38180/10046
VAT-Id: DE143840362

Chairman Supervisory Board:
Dipl.-Ing. Bernhard Jucker
Members of the Management Board:
Dipl.-WirtschaftsIng. Peter Smits (Chair.)
Dipl.-Volkswirt Hans-Georg Krabbe
Dr.-Ing. Joachim Schneider
Dipl.-Kfm. Hendrik Weiler

Bank Details:
Bayerische Hypo- und Vereinsbank AG,
München
BIC: 700 202 70
Account-No.: 5726484
IBAN: DE46 7002 0270 0005 7264 84
SWIFT: HYVEDEMMXXX

Commerzbank AG, Mannheim
BIC: 670 400 31
Account-No.: 03325099 00
IBAN: DE21 6704 0031 0332 5099 00
SWIFT: COBADEFF670

Dresdner Bank AG, Mannheim
BIC: 670 800 50
Account-No.: 08862196 00
IBAN: DE72 6708 0050 0886 2196 00
SWIFT: DRESDEFF670



Japan AE Power Systems Corporation

Japan AE Power Systems Corporation
Dubai Branch

DAFZA 6WA-606 P.O.Box: 54919, Dubai, U.A.E.
Tel:+971-4-2146641 Fax:+971-4-2146653

Date: June 14, 2011

Ref.No.: DUAEP140611-1

To : M/S, PLQ Contracting L.L.C
P.O.Box54208,Dubai,
UAE

Dear Sir,

This is to certify that M/S, PLQ Contracting L.L.C, Dubai-UAE has completed subcontract work for 132KV GIS HV Testing at Tejara Town Substation.

The brief scope of the subcontract work are as follows:

Client : M/S, Emirates Trading Agency, PPD

End User : Dubai Properties/DEWA

Consultant : Green Energy

Project Name : Tejara Town 132/11KV Substation

JAEPS LPO No : DUAEP190411-1 dated April 19, 2011

Subcontract Scope of Work : Perform HVAC Resonant Frequency Test

For 132KV GIS

Application of High Voltage to GIS to facilitate PD

Measurement by JAEPS.

This certificated is issued upon specific request from PLQ Contracting LLC for their future Record and reference.

J. Agatsuma, Adviser

Japan AE Power Systems Corporation, Dubai Branch





Our Ref. 25045-M-TBC-C000-13-1075

09 March 2008

Mr. Aief M. Mourad
Project Manager
BEMCO Contracting Qatar W.L.L.
P.O. Box 37988
Doha, State of Qatar

Mr. Jibra
Mr. Amalraj

Subject: New Doha International Airport (NDIA)
Utility Systems
Contract Number 25045-000-FC1-C000-00013
ENG - Prequalification of Power Links

Reference: Bemco letter - 25045-M-LBC-C000-13-1067 dated 24 February 2008

Dear Mr. Mourad

Further to your submittal of the prequalification documentation for Power Links LLC, the Engineer confirms that there is no objection to the Contractor proceeding with the above mentioned firm as a specialist contractor.

Very truly yours,

James S. Cunliffe
Resident Engineer

ISC/NTGIR/NDIA

Attachments: No

Response required: No
Response required by: N/A

Receipt Acknowledged

| NO. | DESCRIPTION | DATE | INITIALS |
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OVERSEAS BECHTEL, INCORPORATED

NDIA Project - PO Box 24117, Doha, State of Qatar