



EWA
هيئة الكهرباء والماء
Electricity & Water Authority
Kingdom of Bahrain

إدارة توزيع الكهرباء

Electricity Distribution Directorate

5310/6.910/169/16/JB
February 3, 2016

FAX

Fakhro Commercial Services WLL.,
Attn.: Mr. Mohandas, Manager-Sales & Marketing

Fax: 17225000

Dear Sir,

SUBJECT: EQUIPMENT APPROVAL

LV & MV Cables // Make: Nuhas Oman Cables & Wires, Sultanate of Oman

Name of the Project: General.

This has reference to your letter No: MD/FCS/124/12/2015/SALES dated 14th December 2015, along with documents from manufacturer vide letters No: Nuhas/EDD Approval/*Wires*/01 & No: Nuhas/EDD Approval/*Cables*/01 both dated 23rd November 2015, requesting for the approval of subject items.

(A) Based on the review of the submittal following items from manufacturer M/s Nuhas Oman Cables & Wires, Oman are considered as approved:-

(1) Wires

Item 2:

PVC insulated Wires **HO7V-R** voltage grade 450/750V, 1 core, 1.5sqmm to 6 sqmm(test report submitted upto 6mmsq only)

Item 2:

PVC insulated Wires **HO7V-K** voltage grade 450/750V, 1 core, 1.5sqmm to 2.5 sqmm(test report submitted upto 2.5mmsq only).

(2) Cables

Item 2:

Armoured & Unarmoured Power Cables 1c x 50mmsq to 240mmsq **XLPE** insulated 600/1000V {to IEC 60502-1:2004(+A1: 2009) & BS 5467: 1997(+A3: 2008)}.

Armoured & Unarmoured Power Cables 2c/3c/4c & 5c x 1.5mmsq to 240mmsq **XLPE** insulated 600/1000V {to IEC 60502-1:2004(+A1: 2009) & BS 5467: 1997(+A3: 2008)}.

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3) Instrumentation Cables

Item 2:

Armoured & Unarmoured Instrumentation Cables 1p ~ 5 P x 0.5mmsq to 1.5mmsq PVC insulated 300/500V {to BS EN 50288-7:2005(+C:2009) & PAS 5308-1:2009}.

The approval is subject to the following:-

- 1) The approval for the pertinent items is valid for five years only.
- 2) It is the responsibility of the local agent to ensure the standards and specifications of the above approved articles.
- 3) Any alteration or changes to the specifications of the above items will invalidate this approval.
- 4) This approval does not entitle the contractor to hold Electricity Distribution Directorate responsible in the event of non-performance of the item.

(B) Status of other items not approved are as given below:

(1) Wires

Item 1:

PVC insulated Wires (upto 240mmsq) HO5V-U/HO5V-R & HO5V-K - test report is to be submitted.

Item 2:

PVC insulated Wires(upto 240mmsq) HO7V-U - test report is to be submitted.

PVC insulated Wires HO7V-R above 6mmsq upto 240mmsq – test report is to be submitted.

Item 3 ~ 6:

Approval of Heat resistant and LSF insulataed wires shall be per project basis only.

(2) Cables

Item 1:

Test reports are to be submitted for approval of Armoured & Unarmoured Power Cables 1c & multi core PVC insulated 600/1000V upto 240mmsq {to IEC 60502-1:2004(+A1: 2009)}.

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Item 3:

Test reports are to be submitted to consider the cables upto 240mmsq.

Item 4 & 5

Approval of Heat resistant and LSF insulated wires shall be per project basis only.

3) Control Cables

Test reports are to be submitted for item 1 / 2 & 3.

For item 4 & 5 approval shall be per project basis only.

4) Instrumentation Cables

Item: 1

Test reports are to be submitted to consider the cables, 1P to 30p size from 0.5 mmsq upto 2.5mmsq

Item 2:

Test reports are to be submitted to consider the cables, 1p to 5p size above 1.5 mmsq upto 2.5mmsq.

Test reports are to be submitted to consider the cables, 6p to 30p size above 0.5 mmsq upto 2.5mmsq.

5) For all the cables(other than control and instrumentation) & wires above 240mmsq size, approval shall be per project basis only.

6) Also for MV Cables approval shall be per project basis only.

Yours Sincerely,

Shawqi Abdulla Jafen,
Acting Chief, Planning & Materials

JB/jb- PM (3315)

CC: (1) MAC members - Please see share folder & (2) File

N.B. Please send your reply to Planning & Materials Fax No. 17364926