

عقد إنشاء محطة توليد كهربائية احتياطية شرق ميناء الملك فهد الصناعي بالجبيل

إسم المشروع :
Project Name

المالك
Owner
الهيئة العامة للموانئ السعودية



مكتب
الجزيرة للاستشارات الهندسية
AL JAZIRA ENGINEERING & CONSULTANTS
QUALITY ENGINEERING CONCEPT TO COMPLETION

المقاول العام
Main Contractor
مؤسسة أسامة بن زيد آزرل للمقاولات العامة
سجل تجاري رقم 4031010826
هاتف 0125242777 فاكس 0122871515



نموذج تقديم وتبادل معلومات / بيانات / تقارير

☐ أعمال إنشائية Struc. Works	☐ أعمال ميكانيكية Mech. Works	☐ أعمال كهربائية Elec. Works	☐ أعمال مصارية Arch. Works	☐ أعمال مدنية Civil Works	الأعمال / التخصص
جديد New	تاريخ التقديم : 3/8/2023	رقم التقديم : RTM-01-KFIPJ-2022	Submittal No.:	Submittal Date:	تاريخ التقديم :
إعادة تقديم Resubmitt	تاريخ إعادة التقديم :	رقم إعادة التقديم :	Resubmittal No.:	Resubmitt Date:	تاريخ إعادة التقديم :
إستراتيجية مدمجة CD	المرفقات Attachments	المرفقات Attachments	المرفقات Attachments	المرفقات Attachments	المرفقات Attachments

We had received the attachments as mentioned below:

الوصف Descriptions	المستندات المرفقة Attached Documents	عدد الصفحات No. of Pages	عدد النسخ No. of Copies	رقم مرجعي Reference No.	رقم مسلسل S/N
Material Test for UPVC Pipe 110x 5.3mm class 4 10 bar (Aqtar-made)	Reports	5	1	AL HOTY-STANGER KHSPL23137-R1-V1	1
Material Test for UPVC Fittings 110mm 45 (Aplaco) Class 3	Reports	5	1	AL HOTY-STANGER KHSPL23138-R1-V1	2
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					8
					9
					10



مستلمة بـ:
Received by

الإسم :
:Name
التاريخ :
:Date

مقدمة بواسطة:
:Submitted by

الإسم :
:Name
التاريخ :
:Date

Consultant Comment

ملاحظات الاستشاري

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Date of reply / / 2023

تم الرد بتاريخ

مستلم بـ: :Received by	موجه إلى: :For	مستند بحسب المقدم Approved As Submitted	الإجراء Action
الإسم: :Name	الإسم: :Name	مستند مع وجود ملاحظات (غير مطلوب إعادة التقديم) Approved As Noted Resubmission not required	
التوقيع: :Sign	التوقيع: :Sign	مستند مع وجود ملاحظات (مطلوب إعادة التقديم) Approved As Noted Resubmission required	
تاريخ الاستلام: :Received date	تاريخ الاستلام: :Received date	مرفوض Disapproved	
		لا يوجد إجراء متخذ No Action Taken	

AL HOTY-STANGER**CLIENT: NAJIB NABIL ABDUL LATEEF EST.****Makkah, Saudi Arabia****Test Report**

TWO No. : KHSPL23137

Report No. : KHSPL23137- R1-V1

Report Date : 30-07-2023 10:23 AM

Invoice No. :

Ref. No. :

Sample No. : KHSPL23137
 Sample Description : uPVC Pipe 110 X 5.3mm Class 4 10BAR (AQTA-MADE)
 Company : NAJIB NABIL ABDUL LATEEF EST.
 Test Required : Longitudinal reversion (SASO ISO 1452-2/ISO 2505-1)
 Testing Date : 26-07-2023
 Sample Delivered By : client
 Project : NA

TEST RESULT

Test Property	Initial length (L1) (mm)	Final length (L) (mm)	Change in length (ΔL) (mm)	Longitudinal reversion (%)
Reading 1	100.00	102.22	2.22	2.22
Reading 2	100.00	100.10	0.10	0.10
Reading 3	100.00	99.23	0.77	0.77
Average	100.00	100.51	1.03	1.03

Test Parameters	Values
Heating source	Hot air oven
Test duration	60 minutes
Test temperature	150 °C
Requirement as per SASO ISO 1452-2, max	5 %

(L1 - Being the distance in mm between the marks before test), (L - Being the distance in mm between the marks after test)

Note :

AHSL certifies that the above test was carried out in accordance with specific standard.

Tested by

MUDASAR ILHAM
 Senior Specialist Engineer
 Specialist Department
 For AL HOTY - STANGER LTD. CO.

**Verified by**

SAYYED ASJAD HUSSAIN, - MBA, DPE
 Department Head
 Specialist Department

Test Method Variation: NONE

This report relates only to the sample tested and shall only be reproduced in full with the written approval of Al Hoty-Stanger testing laboratory

AL HOTY-STANGER LTD. CO.**INDEPENDENT LABORATORIES & MATERIALS TESTING**

P.O. BOX 3072 Al-Khobar 31952 - Tel: (013) 889 1000 / 808 4317 / 808 7517 / 808 7518 / 808 5217 Fax: (013) 898-1466

 Jubail P.O. 467 - Tel: (013) 341-6791 Fax: (013) 341-0642 - Hofuf P.O. Box 2752 - Tel: (013) 586-3210 Fax: (013) 587-1420 - Riyadh P.O. Box 7359 - Tel: (011) 478-4292 Fax: (011) 479-2058
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TWO No. : KHSPL23137

Report No. : KHSPL23137- R1-V1

Report Date : 30-07-2023 10:23 AM

Invoice No. :

Ref. No. :

Sample No. : KHSPL23137
 Sample Description : uPVC Pipe 110 X 5.3mm Class 4 10BAR (AQTA-MADE)
 Company : NAJIB NABIL ABDUL LATEEF EST.
 Test Required : Resistance to dichloromethane (SASO ISO 1452-2/ISO 9852)
 Testing Date : 26-07-2023
 Sample Delivered By : client
 Project : NA

TEST RESULT

Test Property	Test Property	Test Criteria	Average Result	Remark
Reading 1	Resistance of dichloromethane	No attack at any part of surface to test piece	No attack found	Pass

Test Parameters	Values
Testing reagent	Dichloromethane
Test duration	30 minutes
Test temperature	23 °C
Wall thickness	5.41 mm

Note :

AHSL certifies that the above test was carried out in accordance with specific standard.

Tested by**Verified by**
MUDASAR ILHAM

Senior Specialist Engineer
Specialist Department

For AL HOTY - STANGER LTD. CO.



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AL HOTY-STANGER**CLIENT: NAJIB NABIL ABDUL LATEEF EST.****Makkah, Saudi Arabia****Test Report**

TWO No. : KHSPL23137

Report No. : KHSPL23137- R1-V1

Report Date : 30-07-2023 10:23 AM

Invoice No. :

Ref. No. :

Sample No. : KHSPL23137
 Sample Description : uPVC Pipe 110 X 5.3mm Class 4 10BAR (AQTAR-MADE)
 Company : NAJIB NABIL ABDUL LATEEF EST.
 Test Required : Opacity (SASO ISO 1452-2/ISO 7686)
 Testing Date : 26-07-2023
 Sample Delivered By : client
 Project : NA

TEST RESULT

Test Property		Reading 1	Reading 2	Reading 3	Average
Opacity	%	0.00	0.00	0.00	0.00

Test Parameters	Values
Test atmospheric condition - Temperature	23 °C
Test atmospheric condition - Humidity	49 %
Standard requirement, max	0.2 %

Note :

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Report No. : KHSPL23137- R1-V1

Report Date : 30-07-2023 10:23 AM

Invoice No. :

Ref. No. :

Sample No. : KHSPL23137
 Sample Description : uPVC Pipe 110 X 5.3mm Class 4 10BAR (AQTAR-MADE)
 Company : NAJIB NABIL ABDUL LATEEF EST.
 Test Required : Vicat Softening Point (SASO ISO 1452-2/ISO 2507-1)
 Testing Date : 27-07-2023
 Sample Delivered By : client
 Project : NA

TEST RESULT

Test Property		Reading 1	Reading 2	Reading 3	Average
Vicat Softening Point	°C	83.0	85.0	82.0	83.3

Test Parameters	Values
Test specimen size	20 X 20 mm
Initial starting temperature	50 °C/hour °C
Total load applied	50 N
Thickness of specimen	5.41 mm
Number of layers	1
Heat transfer medium	Mineral Oil
Room atmospheric conditions - Temperature	23 °C
Room atmospheric conditions - Humidity	49 %
Standard requirement, min	80 °C

Note :

AHSL certifies that the above test was carried out in accordance with specific standard.

Tested by**Verified by**

MUDASAR ILHAM

Senior Specialist Engineer
Specialist Department
For AL HOTY - STANGER LTD. CO.



SAYYED ASJAD HUSSAIN, - MBA,DPE
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TWO No. : KHSPL23137

Report No. : KHSPL23137- R1-V1

Report Date : 30-07-2023 10:23 AM

Invoice No. :

Ref. No. :

Sample No. : KHSPL23137
 Sample Description : uPVC Pipe 110 X 5.3mm Class 4 10BAR (AQTAR-MADE)
 Company : NAJIB NABIL ABDUL LATEEF EST.
 Test Required : Density (SASO ISO 1452-2/ISO 1183-1)
 Testing Date : 26-07-2023
 Sample Delivered By : client
 Project : NA

TEST RESULT

Test Property		Reading 1	Reading 2	Reading 3
Weight of sample in air	g	5.796	5.589	5.438
Weight of sample in water	g	1.771	1.703	1.660
Specific gravity	----	1.440	1.438	1.439
Density=Specific gravity x density of liquid	g/cm ³	1.440	1.438	1.439
Average	g/cm ³	1.439		

Test Parameters	Values
Test method	Method A - Immersion method
Test liquid	Distilled water
Room atmospheric conditions - Temperature	23 °C
Room atmospheric conditions - Humidity	49 %

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