



LUSAIL DEVELOPMENT

UTILITY APPLICATION PROCEDURES FOR DISTRICT COOLING

DOCUMENT NO.: LUS-CPALL-MAQ-PRC-UT-10560

REV. NO	DATE ISSUED	REASON FOR ISSUE	DOCUMENT HISTORY	Prepared By	Checked By	Approved By
0	30-Sep-2017	IFI	General editorial, changed primary side scope for DC, separated DC from other utilities	Sivakumar Arumugam/ Robert Miller	Vinod Kesavannair/ Abdullah Abushaikha	D. Reed Phillips

REASON FOR ISSUE:		STATUS:	
IFR	Issued for Review/Comment(s)	PFC	Preliminary for Comment
IFI	Issued for Information	SS	Superseded
IFA	Issued for Approval	A	Approved



Contents

1.	INTRODUCTION	3
1.1	Definitions	4
1.2	Nomenclature	5
2.	REGISTRATION AND REQUEST FOR INFORMATION	6
3.	DISTRICT COOLING—ENERGY TRANSFER STATION	6
3.1	ETS Preliminary Design	7
3.1.1	Information provided by Customer	7
3.1.2	Information provided by Marafiq Qatar	8
3.2	ETS Detailed Design	8
3.3	ETS Material Supply and Submittals	8
3.4	ETS design approval for obtaining building permit from Lusail	9
3.5	ETS Method Statement	9
3.6	ETS Installation Inspection	10
4.	APPENDICES	11

1. INTRODUCTION

This document describes specifically the procedures for connecting the Customer's building to the Marafiq district cooling system. These procedures replace those previously found in document LUS-CPALL-MAQ-PRC-UT-40040 Rev 0. Utility connection procedures for the other two utilities (Gas and Pneumatic Waste Collection system) are now describe in separate documents specifically related to those utilities. The Customer shall follow the applicable "Utility Application Procedures" for connecting the Customer's building to Marafiq utilities. The Customer shall follow the procedures of this document in compliance with Marafiq guidelines and technical requirements listed in the below table. The Customer is fully responsible for the design and installation of the secondary side (building side).

As described in document LUS-CPALL-MAQ-SPE-UT-00004, Marafiq's Design Guidelines for the Connection of ETS(s) to the District Cooling System Rev 5, Marafiq's scope includes design of the primary side of the ETS and supply of five (5) major materials including plate heat exchanger, programmable logic controller, pressure independent control valve, welded isolation ball valves, and pressure safety relief valves, in addition to the previous scope of temperature and differential pressure transmitters and flow/energy meter defined in ETS Guideline Rev 4.

Document No.	Description
District Cooling (DC)	
LUS-CPALL-MAQ-SPE-UT-00001	District Cooling Distribution System Design Guidelines for Pre-insulated Pipes for Mega-development
LUS-CPALL-MAQ-SPE-UT-00002	District Cooling Distribution System Design Guidelines for Civil Works for Mega-
LUS-CPALL-MAQ-SPE-UT-00003	District Cooling Distribution System Design Guidelines for Mechanical Works for Mega-development
LUS-CPALL-MAQ-SPE-UT-00004	Marafiq's Design Guidelines for the connection of ETS(s) to the District Cooling System

The Customer must coordinate with Marafiq in all of the following stages for District Cooling. The detailed requirements of each stage are covered in the next pages.

- Registration and Request for Information
- Preliminary Design
- Detailed Design
- Material Submittals
- Method Statement
- Equipment Installation and Inspection

The Customer should submit all submittals in soft copy (CD) unless otherwise specified. Marafeq review status will be issued to the assigned email address provided by the Customer.

Marafeq is holding a technical consultation on Sunday. One half hour allocated for each Customer and the Customer shall send a meeting request with agenda to Marafeq (email: engineering@marafeq.com.qa) by latest two working days before holding the meeting.

1.1 Definitions

Client	The Master Developer - Lusail Real Estate Development Company (LREDC) or its appointed representative.
LCAC	Lusail City Administration Complex.
Marafeq	The Utility Company which provides District Cooling, Traditional Waste Management Services and carry out design reviews and inspection services for Gas and Pneumatic Waste Management Services.
Contractor	The Organization or its appointed representative, responsible for execution of the works.
Customer	The Owner of building or his representative.
Building Consultant	The Consultant employed by the owner and who is responsible for design development.
Native files	The original format that was used prior to conversion to PDF format; like, AutoCAD, Excel, Word, etc.
Sub-developer	Used interchangeably with Customer

1.2 Nomenclature

This document describes the guidelines to the nomenclature to be followed while providing a document number to a document, like Technical Submittals or Inspection Requests that are to be submitted to Marafiq Qatar. The customer has to strictly follow the guidelines as listed out in the table below and described further.

Sl. No.	Document Number (Nomenclature)	Type of Document
1	LUS-MAQ-(CUSTOMER ID)-INR-(UTILITY)-00XX-RevXX	Inspection Request
2	LUS-MAQ-(CUSTOMER ID)-SDW-(UTILITY)-00XX-RevXX	Shop Drawing
3	LUS-MAQ-(CUSTOMER ID)-PDS-(UTILITY)-00XX-RevXX	Preliminary Design
4	LUS-MAQ-(CUSTOMER ID)-DDS-(UTILITY)-00XX-RevXX	Detailed Design
6	LUS-MAQ-(CUSTOMER ID)-MTS-(UTILITY)-00XX-RevXX	Material Submittal
7	LUS-MAQ-(CUSTOMER ID)-MOS-(UTILITY)-00XX-RevXX	Method Statement
8	LUS-MAQ-(CUSTOMER ID)-SPE-(UTILITY)-00XX-RevXX	Specifications
9	LUS-MAQ-(CUSTOMER ID)-WPS-(UTILITY)-00XX-RevXX	Welding Procedure
11	LUS-MAQ-(CUSTOMER ID)-GEN-(UTILITY)-00XX-RevXX	General (All other submittals like design conformance application etc.)

The values mentioned within the closed brackets will change according to the customer and the requirement whereas the 00XX represents the number of the document which will start from 0001 and then move on in the ascending order. The revision number (RevXX) has to be maintained depending on how many times the document has been resubmitted. The first submission will always have a revision, Rev00.

[For example, if a customer with customer ID MQ100, wants to raise a Welding Inspection Request for DC, for a joint that was rejected once in the first INR, the document number should be as follows: LUS-MAQ-MQ100-INR-DC-0001-Rev01]

The customer should also ensure that for each type of submittal the numbering starts from 0001, irrespective of whether 0001 has already been used for another type of submittal.

[For example; a customer has to raise his first Inspection Request as LUS-MAQ-MQ100-INR-DC- 0001-Rev00, even if he already has a submittal for Shop Drawing as LUS-MAQ-MQ100-SDW-DC- 0001-Rev00, because they are two separate types of documents.]

The customer has to always ensure that when an already commented document is resubmitted, it should contain the same nomenclature as the original document with the only change being in the revision number. If an already commented document is resubmitted as a new document, with new number, the document will be non-compliant and rejected immediately without comment. All changes shall be noted with number and revision clouds. Failure to comply will result in the submittal being non-compliant and returned immediately without comment.

2. REGISTRATION AND REQUEST FOR INFORMATION

The Customer should complete the registration form as provided in Application No. 1 with specifying the utility (District Cooling) details and submit to Marafeq (email: customer.service@marafeq.com.qa).

In parallel with the above registration, Customer shall complete other Applications (from 2 to 10) as provided in Appendixes and to submit Marafeq (email: engineering@marafeq.com.qa) for each stages as required.

For the purpose of design calculations, the Customer may request the allocated utility (District Cooling) pipe sizes and estimated load for the building by completing Application No. 3 and submitting to Marafeq. Marafeq shall provide the required information within five working days from the date of receiving the application.

3. DISTRICT COOLING—ENERGY TRANSFER STATION

The Energy Transfer Station (ETS) shall be designed and constructed in accordance with Marafeq's Design Guidelines for the Connection of ETS(s) to the District Cooling System, LUS-CPALL-MAQ-SPE-UT-00004 (ETS Design Guideline) latest revision as applicable.

From July 1, 2017 and onwards, Customers shall comply with this Utility Application Procedure and any subsequent revisions. Customers who submitted ETS design documents prior to July 1, 2017 shall follow the previous procedures described in LUS-CPALL-MAQ-PRC-UT-40040 Rev 0.

3.1 ETS Preliminary Design

Further to the registration in Clause 2 above, the Customer shall submit "Design Conformance Certificate" (Application No. 2) and receive approval from Marafeq.

The cooling demand stipulated on the approved "Design Conformance Certificate" shall be the basis of the Cooling Services Agreement. Drawings and documents must be submitted in softcopy (CD) both editable and searchable PDF and native format (AutoCAD, MS Word, Excel, etc.).

The Customer shall sign the contract for ETS design and equipment supply based on the preliminary cooling demand along with the proposed ETS room location to Marafeq. Cost of the same will be provided by Marafeq.

Within 15 working days after signing the design and equipment supply contract and receiving the Customer proposed location of ETS, Marafeq will provide the Customer with a Preliminary Design layout drawing indicating the space required for primary side of ETS, initial routing of pipes and initial arrangement of plate heat exchangers. The Customer shall add the space required for secondary side equipment and arrive at the overall ETS room size.

The Customer shall submit the ETS room size and location based on Marafeq input mentioned above.

Marafeq will not commence preliminary design and order materials until the contract for design and supply of materials are signed by Customer and down payments are received for this contract.

3.1.1 Information provided by Customer

The following are required from Customer prior to the commencement of Preliminary Design.

1. Approved "Design Conformance Certificate" (If any changes from registration stage, submit revised certificate).
2. The Customer must sign the contract for Design, Materials Supply and Inspection services for the design and supply of material supplied and/or installed by Marafeq.

3. The Customer must pay the down payment for the contract for Design, Materials Supply and Inspection services. Marafeq will not commence preliminary design and order materials until the down payments are received.
4. Building location and site plan drawing.
5. Plan and sections showing the route to access the ETS.
6. Architectural layout drawing showing the proposed location of the ETS room including sections.

3.1.2 Information provided by Marafeq Qatar

Marafeq will provide the following as part of the Preliminary Design of the ETS primary side:

1. Preliminary arrangement of PHE and primary side pipe routing etc. from point of supply and return to PHE and sections, if required.
2. Required space for the primary side equipment and piping.

Note: Customer shall add the space required for secondary side equipment and arrive at the overall ETS room size.

3.2 ETS Detailed Design

Customer shall review the preliminary design submittal from Marafeq from the point of view of coordinating with secondary side design and provide acceptance to Marafeq within 10 working days of receiving the preliminary design from Marafeq.

Customer shall submit the final ETS room architectural and structural drawings plans and sections and ETS secondary side preliminary drawings as softcopy (DVD) both editable and searchable PDF and native format (AutoCAD).

Within 30 working days of receiving the acceptance of preliminary design from the Customer, Marafeq will submit the detail design in accordance with the ETS Guideline and Marafeq requirement.

Customer shall submit his acceptance of Marafeq detailed design within 10 working days from receipt. Marafeq will then proceed to order the materials/ equipment supplied by Marafeq, subject to the receipt of payment as envisaged in the Contract for the "Design, Materials Supply and Inspection services". Marafeq will not order material until the payment are received.

3.3 ETS Material Supply and Submittals

Material submittal required to be submitted by the Customer are primary side pipes, fittings, air vents, drain valves and strainers. Material submittal shall include selection sheets and compliance statement. Drawings and documents must be submitted in

softcopy (DVD) both editable and searchable PDF and native format (AutoCAD, MS Word, Excel, etc.).

Marafeq will provide the review status within 10 working days after receipt of a compliant material submittal:

Customer shall discuss and agree the delivery schedule of materials supplied by Marafeq. Typical lead time of the materials supplied by Marafeq can be obtained from Marafeq after the contract is signed and down payment is paid.

3.4 ETS design approval for obtaining building permit from Lusail

After completion of above section 3.2 detail design activity, Customer shall follow the procedure described below to obtain building permit from Lusail (LREDC).

1. Customer shall incorporate and complete secondary side (building side) ETS design on the Marafeq issued primary side detail design. Customer to submit 1 set of hard copy (with stamp) and soft copy of completed design for Marafeq review and approval.
2. Marafeq will review the drawings and provide with comments/approval with stamp and return the drawings to the Customer.
3. Customer shall upload approved drawings on MMUP website/server for obtaining building permit.

The above listed procedure is applicable only for Customers who are submitting ETS design from July 1, 2017 and onwards. Customers who submitted ETS design documents prior to July 1, 2017 shall follow the previous procedures described in document number LUS-CPALL-MAQ-PRC-UT-40040 Rev 0.

3.5 ETS Method Statement

This step requires the information listed below. Marafeq will provide the review status within 10 working days after receipt of a compliant method statement submittal (Refer ETS Guidelines for the templates of method statements).

1. Method statement for the hydro static testing of primary side of equipment inside ETS room.
2. Method statement for flushing, cleaning and passivation for the primary chilled water pipes.
3. Method statements for ETS primary side tie-in connection to District Cooling network. Refer Application No. 6 for check list for ETS primary side tie-in connection to DC network.

Drawings and documents must be submitted in softcopy (DVD) both editable and searchable PDF and native format (AutoCAD, MS Word, Excel, etc.).

3.6 ETS Installation Inspection

The Customer shall complete the Inspection Request Form as provided in Application No. 5 for every inspection to be made and submit to Marafeq by latest five working days before the inspection date.

Three weeks before the pipe installation inside the ETS room is completed, the Customer should request for metering equipment (energy meter, flow meter, temperature transmitters and pressure differential transmitter). The inspection must be verified by the Building Consultant prior to Marafeq's inspection. Marafeq may inspect the installation at any stage but particularly to the following stages.

1. Marafeq will conduct an installation inspection after equipment, components, and piping are installed and connected. A snag list will be issued to the Customer.
2. Hydrostatic pressure test.
3. During flushing for flow verification, water quality and compliance to method statement
4. During chemical cleaning to review water quality.
5. After completion of passivation to review water quality.
6. Final inspection after all above are completed successfully, to ensure all comments given during installation inspection are completed satisfactorily and to review and approve tie-in to district cooling network.
7. The Customer shall submit Site Interface Permit Form (Application No. 7) to Marafeq for approval for ETS primary side tie-in to DC network, at least five working days before commencing the tie-in works. The tie-in works shall be done under supervision of Marafeq Engineer.
8. The Customer shall submit Inspection Request Form (Application No. 8) to Marafeq for final approval, after completing the above item no.7 activity.
9. The Customer is responsible to maintain chemicals in the pipeline until finally connected to the network.
10. The Customer should submit the following to Marafeq:
 - Inspection Request Form and undertaking letter duly signed by the building supervision consultant stating that the installation has been done as per approved design and in accordance with Marafeq ETS guidelines.
 - Marafeq approved pressure test documents.
 - Marafeq approved flushing, cleaning and passivation stage documents with satisfactory water analysis report for primary side.
 - Building supervision consultant signed flushing, cleaning and passivation stage documents with satisfactory water analysis report for secondary side.
11. As-built drawings.

Marafiq will issue an ETS Conformance Certificate after all payments and above referred documents are received and final inspection is satisfied.

4. APPENDICES

Application No. 1 Registration Form

Application No. 2 District Cooling- Design Conformance Certificate

Application No. 3 Request for Information

Application No. 4 District Cooling

Application No. 5 Inspection Request Form

Application No. 6 Check list for ETS Tie-in connection to DC network

Application No. 7 Site Interface Permit

Application No. 8 Inspection Request for Connection with Infrastructure Pipes

APPLICATION NO.1: REGISTRATION FORM		عمل طلب تسجيل
Land Details		تاريخ الطلب
Application Date		الطلب تاريخ
Municipality Application Number		رقم طلب بلدية الطعابين
Plot Number		رقم القطعة
Plot Type and Use		رقم القطعه والإستخدام
Requested Utility	District Cooling	الخدمة المطلوبه
Expected Connection Date		التاريخ المتوقع لتوصيل الخدمة
Type of Customer: <input type="checkbox"/> Company <input type="checkbox"/> Individual <input type="checkbox"/> Information Update		نوع العميل: <input type="checkbox"/> شركة <input type="checkbox"/> شخصي <input type="checkbox"/> تحديث معلومات عميل
Owner Name		اسم المالك
C.R NO. OR Owner ID No.		رقم السجل التجاري أو الرقم الشخصية
C.R Expiry Date OR Owner ID Expiry Date		تاريخ انتهاء السجل التجاري أو البطاقة الشخصية للمالك
Authorized Person Name		اسم المخول بالتوقيع
Mobile		الهاتف الجوال
Land Line Phone Number		رقم الهاتف الأرضي
P.O. Box		صندوق البريد
Email		البريد الإلكتروني
Owner OR Authorized Signature		توقيع المالك أو المخول بالتوقيع
Company Stamp		ختم الشركة
CONSULTANT		الإستشاري
Company Name		اسم الشركة
C.R No.		رقم السجل التجاري
C.R Expiry Date		تاريخ انتهاء السجل التجاري
Name Authorized Person		اسم المخول بالتوقيع
Contact Person		اسم المسؤول
Mobile		الهاتف الجوال
Land Line Phone Number		رقم الهاتف الأرضي
P.O. Box		صندوق البريد
Email		البريد الإلكتروني
Authorized Person Signature		توقيع المخول بالتوقيع
Company Stamp		ختم الشركة

Attachment: **A. Individual:** 1. ID Copy both sides 2. Proof of ownership **B. Companies:** 1. C.R Copy 2. Computer ID Copy 3. ID of Authorized Signatory

Note: If the consultant was changed or terminated prior to the completion of the project, the owner shall update Marafeq Qatar immediately.
في حال تم إنهاء خدمات الإستشاري: ملاحظه المذكور أعلاه من أعمال المشروع أو تغييره ، على المالك إخطار شركة مرفق قطر وتحديث البيانات الخاصة بالإستشاري الجديد

APPLICATION NO.2: DISTRICT COOLING - DESIGN CONFORMANCE CERTIFICATE

DETAILS OF BUILDING				
District Name:				
Customer Id No.:				
Plot No.:				
Building Name:				
COOLING DEMAND (1TR = 3.517 kW)				
Gross Floor Area (GFA) approved by LREDC	m ²			
Gross Floor Area (GFA) actual	m ²			
Parking area	m ²			
Total Built up Area (GFA + parking)	m ²			
Total Coincident Cooling Demand	TR		kW	
Calculated GFA/TR	GFA/TR			
DISTRICT COOLING SYSTEM (PRIMARY)				
Total Design flow (l/s)				
Design temperature °C (In/Out)				
BUILDING COOLING SYSTEM (SECONDARY)				
Total Design flow (l/s)				
Design temperature °C (In/Out)				

Compliance Statement:

The design shall comply with Marafeq Technical Guidelines for the connection of ETS Document No: LUS-CPALL-MAQ-SPE-UT-00004 without any exception unless otherwise a written confirmation from Marafeq Qatar is provided. The installation liabilities/responsibilities remain with the Sub-developer/Customer at all times.

(Signature and stamp of Consultant)

(Checked and received by Marafeq Qatar)

(Date) _____

(Date) _____

APPLICATION NO.3: REQUEST FOR INFORMATION

CUSTOMER ID: _____

DATE: _____

PLOT NO.: _____

UTILITY TYPE	For Marafeq use only
---------------------	-----------------------------

DISTRICT COOLING	Total Cooling Load:
	Pipe Size:

Date:

Date:

.....

.....

(Signature and Stamp of Consultant)

(Signature and stamp of Marafeq Qatar)

APPLICATION NO.4: DISTRICT COOLING

TO BE COMPLETED BY THE CONSULTANT

Customer Id:		Date:	
Plot No.:		Building Name:	
Document Number:			

CONSULTANT INFORMATION

Company Name:		Contact Person:	
Address:			
Telephone:		Mobile:	
Fax:		Email:	

STAGE

- Preliminary Design
 ETS Material Submittal
 Method Statements and Other Documents

DOCUMENT CHECK LISTS

Preliminary Design of ETS primary side is provided by Marafeq for Customer who is submitting design from July 1, 2017 and onwards. The new Customer must provide the information listed below.

- ETS room size and location
- Building location and site plan drawing
- Plan and sections showing the district cooling pipe route to the ETS
- Architectural layout drawing showing the ETS room location including sections

Detail Design of ETS primary side is provided by Marafeq for customer who is submitting design from July 1, 2017 and onwards

ETS Material Submittals

- Primary side pipes & fittings
 Primary side vent and drain valves
 Primary side Strainers

Method Statements and Other Documents

- Method statement for hydro static testing of primary side of equipment inside ETS room
- Method statement for flushing, cleaning and passivation for the primary chilled water pipes.
- Method statement for ETS primary side tie-in connection to District Cooling network.
- Hydrostatic test results
- Water quality test report

(Signature, Date and Stamp of Consultant)

(Signature, Date and Stamp of Consultant)

APPLICATION NO.5: INSPECTION REQUEST FORM

CUSTOMER ID:		DATE:	
PLOT NO.:		BUILDING NAME:	
UTILITY TYPE:	District Cooling		
INR NO:			
Type of Inspection:			
Location and Quantity of Works:			
Attached Reference Documents:			
Requested Inspection Date:		Inspection Time:	
COMMENTS:		Approved: <input type="checkbox"/> Yes <input type="checkbox"/> No	
CONTRACTOR	BUILDING CONSULTANT	MARAFEQ QATAR	
		INSPECTOR	PROJECT MANAGER
Name:	Name:	Name:	Name:
Signature:	Signature:	Signature:	Signature:
Date:	Date:	Date:	Date:
Stamp:	Stamp:	Stamp:	Stamp:

APPLICATION NO.6: Check list for ETS Primary Side Tie-in Connection to DC Network

Customer ID No.:		Plot No.:	
Utility Type:	District Cooling		
Contractor :			
Building Consultant :			

SN.	Activity Description	Contractor	Building Consultant	Marafeq Qatar
1	Final flushing and passivation completed and approved by Marafeq Qatar			
2	Interface permit obtained from the concerned authorities			
3	Tie- In spool hydro tested and approved by Marafeq Qatar			
4	Manual cleaning of tie-in spool done as recommended by chemical cleaning specialist			
5	Ensured network isolation valves are closed in co-ordination with network contractor			
6	Informed network contractor prior to start network pipe cutting.			
7	Water draining arrangements from network line and ETS primary line approved.			
8	Fit up and welding approval obtained from Marafeq for Tie-in pipe.			
9	NDT (RT) report submitted for approval.			
10	Water re-filling method and protection chemical addition procedure approval			
11	Circulation arrangements after chemical filling to the system			
12	Field joint kit material and installation method approval obtained from MQ			
13	LDS value verified and recorded with Network contractor			
14	Field joint installation inspection and approval from Marafeq Qatar.			
15	Final sampling with Marafeq Presence.			
16	Submittal of Final water quality report.			
17	FOC duct connection and proper back filling with dune sand			

Comments:

Contractor: _____ **Signature:** _____ **Date:** _____

Building Consultant: _____ **Signature:** _____ **Date:** _____

Marafeq Qatar: _____ **Signature:** _____ **Date:** _____

APPLICATION NO.7: SITE INTERFACE PERMIT

CUSTOMER ID NO.:		PLOT NO.:	
UTILITY TYPE:	District Cooling		
PERMIT NUMBER:		REV. NO.:	DATE:
NAME OF CONTRACTOR:			
NAME OF REQUESTER:			
NAME OF RESPONSIBLE SUPERVISOR:			

REFERENCE DOCUMENTS: <i>(Inspection request, Shop Drg, etc)</i>	REV. NO	REMARKS
METHOD STATEMENT: copy attached		
DESCRIPTION OF WORKS:		
LOCATION AND DESCRIPTION OF CONNECTION REQUESTED: Location: Description of Connection Request:		

No	STAKEHOLDERS	NAME	SIGNATURE & Date	Remarks
1	Developer Contractor			
2	Developer Supervision Consultant			
3	Marafeq Customer Service			
4	Marafeq Site Supervision			
5	Marafeq O&M			
6	Network Contractor			
7	PMCM Infrastructure			
8	Lusail City Operation			
9	Others (if required)			

PERMIT AUTHORITY : APPROVED NOT APPROVED PERMIT VALIDITY: up to __ __. 201__

	<p>DOCUMENT REVIEW STATUS</p> <p><input type="checkbox"/> STATUS 1: WORK MAY PROCEED. <i>(Requester to ensure that the branch is isolated from Main feed and in safe conditions for tie-in activities)</i></p> <p><input type="checkbox"/> STATUS 2: REVISE & RESUBMIT. WORK MAY PROCEED SUBJECT TO INCORPORATION OF COMMENTS INDICATED.</p> <p><input type="checkbox"/> STATUS 3: REVISE & RESUBMIT. WORK MAY NOT PROCEED.</p> <p><input type="checkbox"/> STATUS 4: REVIEW NOT REQUIRED. WORK MAY PROCEED.</p> <p>PERMISSION TO PROCEED SHALL NOT CONSTITUTE ACCEPTANCE OR APPROVAL OF DESIGN DETAILS, CALCULATIONS, AND ANALYSES, TEST METHODS, OR MATERIALS DEVELOPED OR SELECTED BY CONTRACTOR AND SHALL NOT RELIEVE CONTRACTOR FROM FULL COMPLIANCE WITH CONTRACT TECHNICAL SPECIFICATIONS AND DRAWINGS.</p>	
<p>_____</p> <p>NAME</p>	<p>_____</p> <p>SIGNATURE</p>	<p>_____</p> <p>DATE</p>

POST-EXCAVATIONS SIGNS-OFF:		
RESPONSIBLE SUPERVISOR:		
EXCAVATION CLOSED	<input type="checkbox"/> YES <input type="checkbox"/> NO	DATE :
PERMIT AUTHORITY:	<input type="checkbox"/> APPROVED <input type="checkbox"/> NOT APPROVED	
<p>_____</p> <p>NAME</p>	<p>_____</p> <p>SIGNATURE</p>	<p>_____</p> <p>DATE</p>
This form has to be closed and original form has to be back to Service provider (Marafeq) .		

APPLICATION NO.8: INSPECTION REQUEST FOR CONNECTION WITH INFRASTRUCTURE PIPES

CUSTOMER ID:		DATE:		
PLOT NO.:		BUILDING NAME:		
UTILITY TYPE: District Cooling				
INR NO:				
<p>Type of Inspection:</p> <p>Location and Quantity of Works:</p> <p>The consultant to provide approval reference number for the following submittals:</p> <p><input type="checkbox"/> Pipe Material Submittal</p> <p><input type="checkbox"/> Method Statement for Flushing of Primary Pipes</p> <p><input type="checkbox"/> Shop Drawing</p> <p><input type="checkbox"/> Passivation Test Results</p>				
Requested Inspection Date:		Inspection Time:		
Comments:				
STATUS:	<input type="checkbox"/> NO OBJECTION <input type="checkbox"/> REJECTED			
CONTRACTOR	BUILDING CONSULTANT	MARAFEQ QATAR		Network Contractor (If applicable)
		Inspector	Project Manager	
Name:	Name:	Name:	Name:	Name:
Signature:	Signature:	Signature:	Signature:	Signature:
Date:	Date:	Date:	Date:	Date:
Stamp:	Stamp:	Stamp:	Stamp	Stamp:
			:	