

Construction Procedure Guidelines Book

1ST EDITION, 31 JAN 2020



MJTD

MYANMAR JAPAN THILAWA DEVELOPMENT LIMITED | 15TH FLOOR, ADMINISTRATION COMPLEX,
THILAWA SPECIAL ECONOMIC ZONE, DAGON-THILAWA ROAD, KYAUT TAN TOWNSHIP, YANGON

TABLE OF CONTENTS

SECTION I. PURPOSES

- 1.1 Purpose

SECTION II. PROCEDURE FOR APPLICATION CONSTRUCTION

- 2.1 General Flow Chart and List of Formats
- 2.2 Design Approval Application (DAA)
- 2.3 Application for Soil Investigation (if any) and Survey Works
- 2.4 Application for Temporary Works
- 2.5 Application for Start of Construction (Piling Work Only)
- 2.6 Application for Start of Construction (Permanent Fencing Works Only)
- 2.7 Application for Start of Construction / Start of Renovation for Rental Factory
- 2.8 Application for Removal of Earth from the Lot
- 2.9 Application for Design Change/Design Modification
- 2.10 Application for Certificate of Completion Inspection

SECTION III. PROCEDURE FOR UTILITIES CONNECTION WORK AND START OF UTILITIES APPLICATION

- 3.1 Utilities Flow Chart
- 3.2 Power Flow Chart and List of Formats
- 3.3 Design Approval Application (DAAPS)
- 3.4 Application for Design Change/Design Modification of Power System
- 3.5 Utilities Connection Application
- 3.6 Utilities Connection for Water Supply
- 3.7 Utilities Connection for Wastewater Discharge
- 3.8 Utilities Connection for Rainwater Drainage Pipeline
- 3.9 Utilities Connection for Power Line
- 3.10 Utilities Connection for Telecommunication Line
- 3.11 Connection Charges Application (Power, Water and Telecommunication)
- 3.12 Power Shutdown Application and Power Shut Down Request
- 3.13 Permitted days for power connection works
- 3.14 Start of Utilities Application

- 3.15 Start of Water Supply
- 3.16 Start of Wastewater Discharge
- 3.17 Start of Power Energizing
- 3.18 Start of Telecommunication Line

SECTION IV. PROCEDURE FOR INSPECTION BY MJTD

- 4.1 Construction Procedure
- 4.2 Power Procedure
- 4.3 Inspection during Operation Stage

SECTION V. MISCELLANEOUS

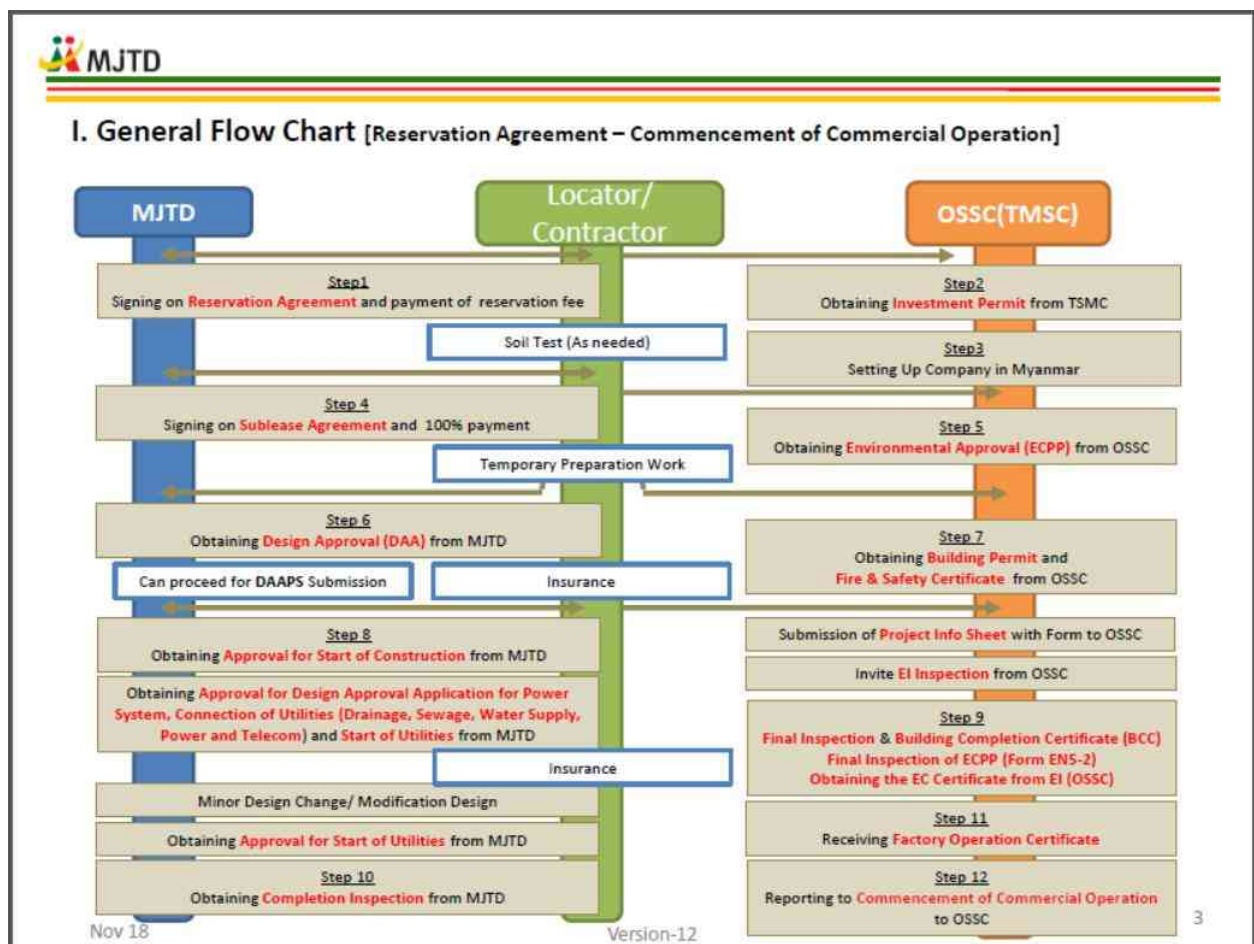
- 5.1 Instruction for Preparation of Submission Documentation
- 5.2 Appendix

SECTION I. PURPOSES

The purpose of this guideline book is to proceed the submission of Applications in a short period and to be understand easily about the submission procedure. This guideline book is referred from Internal Regulations of TSEZ to understand more clearly. If there is any disputes, locators/contractors shall follow Internal Regulations of TSEZ.

SECTION II. PROCEDURE FOR APPLICATION CONSTRUCTION AND OPERATIONS

2.1 GENERAL FLOW CHART



CONSTRUCTION

List of Formats [Land Sublease]

Format No.	Name
Format A_C	Design Approval Application
Format A-1	Application for Soil Investigation and Survey Work
Format A-2	Temporary Preparation Work Application
Format B	Start of Construction Application
Format B-1	Start of Construction (Piling Work only) Application
Format B-2	Start of Construction (Permanent Fencing Works only) Application
Format C	Application for Completion of Inspection
Format D	Removal of Earth from the Lot
Format E_C	Design Change Design Modification Application
Format F	Utility Connection Application
Format G	The Connection Charges Application
Format I	Start of Utilities Application

List of Formats [Rental Factory]

Format No.	Name
Format A_C- RF	Design Approval Application
Format B-RF	Start of Renovation
Format C-RF	Application for Completion Inspection
Format E_C - RF	Design Change Design Modification Application
Format E_P - RF	Design Change Design Modification Application (Power System)
Format F-RF	Utility Connection Application
Format G-RF	The Connection Charges Application
Format I-RF	Start of Utilities Application

Notes : All applicable formats can be downloaded in website www.mjtd.com.mm .

2.2 Design Approval Application (Ref. Exhibit 2, Internal Regulations of TSEZ)

(i) Application for Design Approval Application (Land Sublease)

The Design Approval Application (“DAA”), shall be submitted by the Locator to MJTD prior to start of construction activity. Locators should be submitted to MJTD not later than two (2) months before start of factory construction.

(ii) Application Document

1 Application form for Design Approval based on INTERNAL REGULATIONS

(Application Cover Letter and [Format-A C](#))

2 Letter of Attorney to the third party with contact detail of persons in charge (name Position, Passport No./NRC No., phone number, email address)

3 Design Overview Document including but not limited as follow;

- 1. Area list of all buildings Setback lines,*
- 2. Location and volume of water receiving tank*
- 3. Location and volume of storehouse for hazardous and combustible materials*
- 4. Demand of water supply*
- 5. Treatment and discharge plans of sewage including domestic use and manufacturing use*
- 6. Connecting Plan and demand of power supply*
- 7. Security and safety measures plan:*
 - Security and safety plan for the lot*
 - Fire alarm and firefighting system*
 - Lightning arrestor*
- 8. Any other documents if MJTD may require*
- 9. Soil Balance calculation sheet*

Sample of Design Overview Document is attached in **Appendix I** for your reference.

(Contractor/Designers can use their own Format for Design Overview Document)

4 Master Plan (Layout Plan) including but not limited as follow;

- (i) Boundary lines of the Lot,*
- (ii) Setback lines,*
- (iii) Landscaping area,*

- (iv) *Plot entrance and exit* (shall be mentioned with dimension from the corner of boundary to the entrance)
 - (v) *Outline of buildings and other external facilities,*
 - (vi) *Utilities Connection Points*
 - (vii) *Underground tanks,*
 - (viii) *Roads in the Plot,*
 - (ix) *Fences and Gates,*
 - (x) *Parking space* (shall be mentioned with roof or without roof),
 - (xi) *Signage,*
 - (xii) *Table of building coverage and floor-area ratio* and others if necessary
- Sample of Master Plan (Site Layout Plan) is attached in **Appendix 7** for your reference

5 General drawings including but not limited as follow;

- (i) *Every Floor Plan*
- (ii) *Sections*
- (iii) *Elevation*

The above drawing shall be mention if there is plan to attach the company name and logo with your buildings.

6 Drawing of Rainwater Drainage including but not limited as follows;

- (i) *Rainwater Drainage Layout Plan,*
- (ii) *Rainwater Drainage Connecting Plan and Section,*
- (iii) *Final Inspection manhole with sedimentation pit* which shall be referred Exhibit 5, Internal Regulations and others if necessary

7 Drawing of Wastewater Discharge Pipeline including but not limited as follows;

- (i) *Wastewater Discharge Layout Plan,*
- (ii) *Wastewater Discharge Connecting Plan and Section,*
- (iii) *Wastewater/sewage manholes (Plan and Section),*
- (iv) *Septic tank and/or wastewater treatment plant as necessary*
- (v) *Final Inspection manhole* which shall be referred Exhibit 5, Internal Regulations and others if necessary

8 *Drawing of Water Supply including but not limited as follows;*

- (i) Water Supply Layout Plan,
- (ii) Water Supply Connection Plan and Section which shall be referred Exhibit 5, Internal Regulations and others if necessary

9 *Drawing of Power Supply including but not limited as follows;*

- (i) Plan and Section drawing of Power Connecting with description of Transformer Capacity
- (ii) Exterior Lighting and others if necessary

Locators may apply separately to MJTD for the “Design Approval Application for Power System”.

10 *Detail drawings including but not limited as follows;*

- (i) *Protection detail for existing infrastructure on and under access road (two sections, Section X-X & Section Y-Y)*
- (ii) *Connection detail for all of infrastructures*
- (iii) *Fencing*
- (iv) *Pavement and others if necessary*

10.1 *Drawing of Firefighting System including but not limited as follows;*

- (i) Pipe line layout
- (ii) Detail of Pipeline (underground/Overhead)
- (iii) Other related detail drawings

10.2 *Drawing of Lightning System including but not limited as follows;*

- (i) Layout with description of coverage area
- (ii) Detail of Lightning System
- (iii) Other related detail drawings

11 *Construction Schedule*

12 *Any other documents that MJTD may require*

Sample title block for DAA submission is attached in Appendix for your reference.

(iii) Application for Design Approval Application for Renovation (Rental Factory)

The Design Approval Application (“DAA”), shall be submitted by the Locator to MJTD prior to start of renovation activity. Locators should be submitted to MJTD not later than two (2) months before start of renovation.

(iv) Application Document

1 Application form for Design Approval based on INTERNAL REGULATIONS

([Application Cover Letter](#) and [Format-A_C-RF](#))

2 Letter of Attorney to the third party with contact detail of persons in charge (name Position, Passport No./NRC No., phone number, email address)

3 Design Overview Document including as follows;

- (i) Location and volume of storehouse for hazardous and combustible materials
- (ii) Sewage treatment flow chart and discharge plans including domestic use and manufacturing use
- (iii) Power Connection plan
- (iv) Security and safety measures plan:
 - Security and safety plan for the rental unit
 - Fire alarm and firefighting system
- (v) Any other documents if MJTD may require

Sample of Design Overview Document is attached in ***Appendix 1*** for your reference.
(Contractor/Designers can use their own Format for Design Overview Document)

4 Master Plan (Layout Plan) including but not limited as follow;

- (i) Landscaping area,
- (ii) Outline of Units and other external facilities,
- (iii) Utilities Connection Points
- (iv) Company Signage,
- (v) Parking space (shall be mentioned with roof or without roof),
- (vi) Signage,

5 General drawings including but not limited as follow;

- (i) *Every Floor Plan*
- (ii) *Sections*

(iii) *Elevation*

The above drawing shall be mention if there is plan to attach the company name and logo with your buildings.

7 *Drawing of Wastewater Discharge Pipeline including but not limited as follows;*

- (i) Wastewater Discharge Layout Plan,
- (ii) Wastewater Discharge Connecting Plan and Section,

8 *Drawing of Water Supply including but not limited as follows;*

- (i) Water Supply Layout Plan,
- (ii) Water Supply Connection Plan and Section

9 *Drawing of Power Supply including but not limited as follows;*

- (i) Plan and Section drawing of Power Connecting from Electrical Room to Rental Unit

10 *Drawing of Firefighting System including but not limited as follows;*

- (i) Pipe line layout
- (ii) Other related detail drawings

11 *Construction Schedule*

12 *Any other documents that MJTD may require*

Sample title block for DAA submission is attached in Appendix for your reference.

2.3 Application for Soil Investigation (if any) and Survey Work

2.3.1 Soil Investigation

(i) Application Timing

After Reservation Agreement is signed, Locator may apply “[Application for Soil Investigation \(Format A -1\)](#)” if Locator requires it for their reference.

(ii) Application Document

- (a) Application form for Soil Investigation (Format-A-1)
- (b) Letter of attorney to the Third-Party with contact detail of persons in charge (Name, Position, Passport No./NRC No; Phone number, Email address)
- (c) The following documents shall be attached;
 - (i) Location Map

- (ii) Bore Hole Location Plan
- (iii) Time schedule (start date and finish date shall be included)
- (iv) Contact information (person in charge, contact phone number, email address and etc.)

(d) Other related documents (if any)

2.3.2 Survey Works

(i) Application Timing

After Land Sublease Agreement is signed, Locators may apply to MJTD for the “Application for Survey Work [\(Format A -1\)](#)”.

(ii) Application Document

- (a) Application form for Survey Work (Format-A-1)
- (b) Letter of attorney to the Third-Party with contact detail of persons in charge (Name, Position, Passport No./NRC No. , phone number, email address)
- (c) The following documents shall be attached;
 - (i) Location Map
 - (ii) Time schedule (start date and finish date shall be included)
 - (iii) Contact Information (person in charge, contact phone number, email address and etc.)
 - (iv) Other related documents (if any)

2.4 Application for Temporary Works

(i) Application Timing

After Land Sublease Agreement is signed, Locators may apply temporary work by submitting a “Temporary Preparation Works Application [\(Format A-2\)](#)”. “Temporary Work” is for site preparation work only. Locator may start Foundation work and other permanent works after getting approval of Start of Construction from MJTD.

(ii) Application Document

- (a) Application form for Temporary Work (Application Cover Letter)
- (b) Letter of attorney to the third party with contact detail of persons in charge

(Name, Position, Passport No./NRC No., phone number, email address)

(c) The following documents shall be attached;

- (i) Layout plan of temporary preparation work (Temporary entrance and gate, drainage system, bike and car parking, soil storage area, car washing area, site offices, workshop, generator, signboard, etc.)
- (ii) Detail drawings (temporary fence, septic tank, access road)
- (iii) Copy of Rules of Construction with signature
- (iv) Organization chart

(d) Temporary Entrance (if meet with MJTD's RC Box Culvert) shall be considered the heavy duty as MJTD's RC Box Culvert was not considered the heavy-duty load.

(e) Temporary Wastewater shall be collected by own procedure as ECPP Plan.

2.5 Application for Start of Construction (Piling Work Only)

(i) Application Timing

After Design Approval Application is approved by MJTD and Permit of Temporary Commencement of Construction is approved by TSMC, Locator may apply "Start of Construction (Piling Works Only) Application" with [Format B-1](#). Locator cannot start other construction works until getting approval of Start of Construction from MJTD.

(ii) Application Document

(a) Application form for Start of Construction (Piling Works Only) with Format B-1

(b) Letter of attorney to the third party with contact detail of persons in charge
(Name, Position, Passport No./NRC No. , phone number, email address)

(c) The following documents shall be attached;

- (i) Permit of Temporary Commencement of Construction from TSMC
- (ii) Copy for Cover Note of Insurance (with the minimum amount of USD 100,000 for Contractor All Risks and Third-Party Liabilities)
- (iii) Copy of Rules of Construction with signature
- (iv) Other Permit from Authority if any.

(d) Copy of Permit of Temporary Commencement of Construction from TSMC instead of Building Permit.

- (e) Copy of Insurance shall be referred Article 39, Internal Regulations. Then it shall be covered the whole working period.

2.6 Application for Start of Construction (Permanent Fencing Works Only)

(i) Application Timing

After Design Approval Application is approved by MJTD, Locators may apply “Start of Construction (Permanent Fencing Works Only) Application” with [Format B-2](#). Locator cannot start other construction works until getting approval of Start of Construction from MJTD.

(ii) Application Document

Application form for Start of Construction (Permanent Fencing Work Only) with Format B-2

- (a) Letter of attorney to the Third-Party with contact detail of persons in charge (Name, Position, Passport No./NRC No; Phone number, Email address)

- (b) The following documents shall be attached;

- (i) Master Plan
- (ii) Permanent Fence Detail
- (iii) Permanent Fence Section and Elevation
- (iv) Construction Work Schedule
- (v) Contact Person List
- (vi) Copy for Cover Note of Insurance (with the minimum amount of USD 100,000 for Contractor All Risks and Third-Party Liabilities)
- (vii) Copy of Rules of Construction with signature
- (viii) Other Permit from Authority if any.

- (c) Copy of Insurance shall be referred Article 39, Internal Regulations. Then it shall be covered the whole working period.

2.7 Application for Start of Construction/Start of Renovation for Rental Factory

(i) Application Timing

After the Building Permit and Fire Safety approval is approved by TSMC, Locators may apply the Application for “Start of Construction/Start of Renovation for Rental Factory” document with [Format B](#) / [Format B RF](#) to MJTD.

(ii) Application Document (Ref. Exhibit 2B, Internal Regulations of TSEZ)

- (a) Application form for Start of Construction/Renovation Permit (Application Cover Letter and Format-B/Format B_RF) (Ref. 14 in Exhibit 2B)*
- (b) Fire Safety Certificate from OSSC (Copy) (Ref. 15 in Exhibit 2B)*
- (c) Building Permit from OSSC (Copy) (Ref. 16 in Exhibit 2B)*
- (d) Environmental Compliance and Prevention Plan Approval from OSSC (Copy) (Ref. 17 in Exhibit 2B)*
- (e) Organizational Chart with contact number of Main Contractor and Major Sub-Contractor (Ref. 18 in Exhibit 2B)*
- (f) Temporary Construction Facilities Drawing (Ref. 19 in Exhibit 2B)*
- (g) Copy for Cover Note of Insurance (with the minimum amount of USD 100,000 for Contractor All Risks and Third-Party Liabilities), for Rental Factory (with the minimum amount of USD 500,000 per every unit for Contractor All Risks/Erection All Risks and Third-Party Liabilities) (Ref. 20 in Exhibit 2B)*
- (h) Copy of Rules of Construction with signature*
- (i) Any other documents if MJTD may require (Ref. 21 in Exhibit 2B)*

2.8 Application for Removal of Earth from the Lot

(i) Application Timing

Locators may apply the “Removal of Earth from the Lot with [Format D](#)” 45 days in advance and shall comply Articles 17 of Rules of Construction.

(ii) Application Document

- (a) Application Form for Removal of Earth from the Lot that include;*
 - (i) Total Soil Volume*
 - (ii) Daily Earth Removal Amount*
 - (iii) Start Date & End Date*
 - (iv) Contact Name & Phone No. of persons in charge*
- (b) Copy of Rules of Construction with signature*
- (c) Any other documents if MJTD may require*

2.9 Application for Design Change/Design Modification

(i) Application Timing

When there is design changes/modification during construction stage or after completion stage, Locators may apply the “Design Change/Design Modification Application” with

[Format E_C / Format E_C-RF](#) & [Format E_P / Format E_P-RF](#). Locators cannot start the design change work until getting the approval of Design Change from MJTD.

(ii) Application Document

- (a) Application form for Design Change/Design Modification (Application Cover Letter and Format E_C/ Format E_C-RF & Format E_P-RF)
- (b) Submit revised Format A_C/Format A_C-RF if there are any changes the Building Area and Floor Area during Design Change Stage.
- (c) Letter of attorney to the Third-Party with contact detail of persons in charge (Name Position, Passport No./NRC No., phone number, email address).
- (d) Old Design with MJTD Stamp.
- (e) Design Change/Modified Drawings (Standard title block for Design Change/Design Modification submission can be referred Appendix, shall mention with cloud for any change).
- (f) Any document that MJTD may require.

2.10 Application for Certificate of Completion Inspection

(i) Application for Certificate of Completion Inspection

After the Building Completion Certificate and other certificates is approved by TSMC, Locators may apply the “Application for Completion of Inspection” with [Format C / Format C-RF](#) to MJTD.

(ii) Application Document (Ref. Exhibit 2C, Internal Regulation of TSEZ)

- (a) Application form for Completion Inspection (Format-C) (*Ref. 22 in Exhibit 2C*)
- (b) Letter of attorney (if any)
- (c) Environmental Inspection Record (FORM-EN5-2) from OSSC and *if any Environmental Impact Assessment (EIA) or Initial Environmental Evaluation (IEE) Approval (Ref. 23 in Exhibit 2C)*
- (d) As-Built Drawing (*please see in **Appendix 2***) (*Ref. 24 in Exhibit 2C*)
- (e) Copy of Building Completion Certificate (BCC) from OSSC (*Ref. 25 in Exhibit 2C*)
- (f) Liability Insurance Cover Note for (Industrial All Risks in Operation Stage and Third-Party Liability with minimum amount USD 100,000), for Rental Factory (Industrial All Risks in Operation Stage and Third-Party Liabilities with minimum amount USD 500,000) is attached

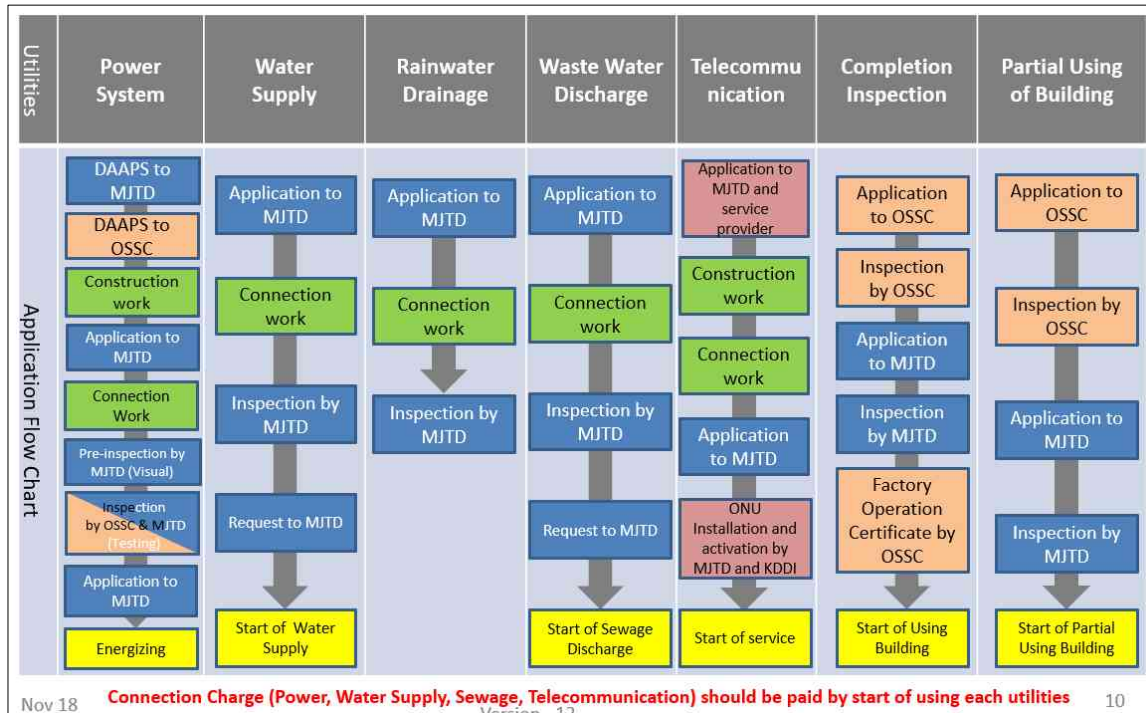
- (g) Start of Use Approval for Power, Telecommunication, Water and Waste Water by MJTD
- (h) Electrical Inspection Certificate
- (i) Other Permit from Authority if any

(iii) Inspection Which Will Be Inspected During Inspection

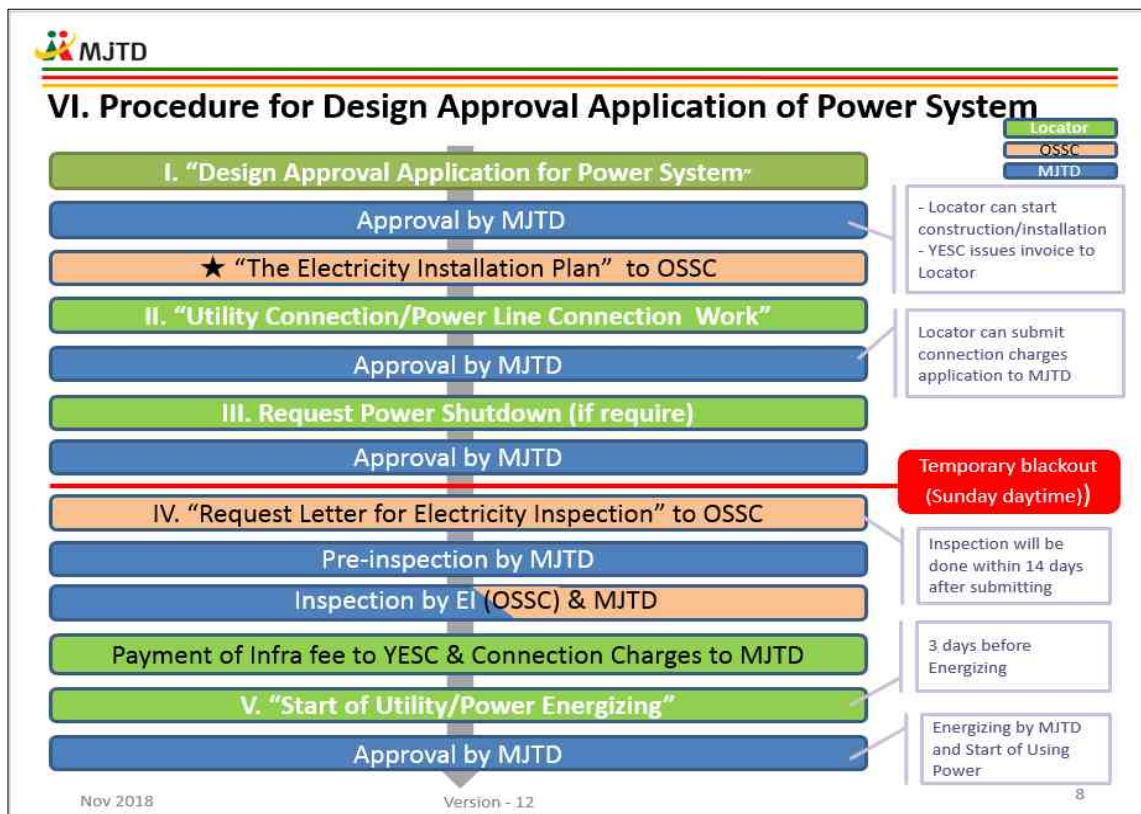
MJTD use the Check List for Completion Inspection. The check list can be referred in appendix. Locators/contractors shall rectify according to MJTD's comments in this Check List (please see in ***Appendix 3***) and shall invite MJTD with rectification photos for the 2nd time inspection after rectifying.

SECTION III. PROCEDURE FOR UTILITIES CONNECTION WORK AND START OF UTILITIES APPLICATION

3.1 UTILITIES FLOW CHART



3.2 POWER FLOW CHART



List of Formats [Land Sublease]

Form No	Name
Format A_P	Design Approval Application for Power System
Format E_P	Design Change/ Design Modification (if any)
Format F	Utilities Connection Application
Format H	Power Shutdown Application (if any)
Format I	Start of Utilities Application
Format G	The Connection Charges Application

List of Formats [Rental Factory]

Form No	Name
Format A_P-RF	Design Approval Application for Power System
Format E_P-RF	Design Change/ Design Modification (if any)
Format F-RF	Utilities Connection Application
Format H-RF	Power Shutdown Application (if any)
Format I-RF	Start of Utilities Application
Format G-RF	The Connection Charges Application

Notes : All applicable formats can be downloaded in website www.mjtd.com.mm

3.1 Design Approval Application for Power System [DAAPS]

Locator shall apply Design Approval Application for Power System before start of construction/installation of Power System with the [Format A_P](#). When MJTD approved, MJTD will do stamp and return 2 sets of soft and hard copies with officer original sign.

With this approval, Locator shall prepare “ELECTRICAL INSTALLATION PLAN” 3sets of hard copies & soft copy and submit to One Stop Service Centre /Electrical Inspection [OSSC/EI].

Email - industrytsez@gmail.com

Department - Industry Section/ Thilawa Special Economic Zone Management Committee Yangon, Myanmar.

Website - www.myanmarthilawa.gov.mm

After locator submit “**ELECTRICAL INSTALLATION PLAN**” to OSSC/EI department, Locator can start construction/ installation.

In addition, Yangon Electricity Supply Corporation (YESC) issues invoice to locator depend on transformer capacity. Locator shall pay to the MJTD the power connection charges and also pay to the related authority/entity such as but not limited to Yangon Electricity Corporation (YESC) for all the fees and charges imposed by such authority/entity. Only after completion of such payment, MJTD shall be allowed to commence its connection work to the common power supply system.

Yangon Electricity Supply Corporation Infrastructure fee can be referred Appendix 4.

3.2 Application for Design Change/Design Modification Application of Power System

Locator shall apply Design Change Application or Design Modification Application 3 sets of hard and soft copies with the [Format E_P](#) if locator change or modify the design after approved by MJTD. When MJTD approved, MJTD will do stamp and return 2 sets of soft and hard copies with officer original sign. With this approval, Locator shall submit to OSSC/EI.

Compliance with Governmental Rules and Regulations

In the event any provision hereof is determined by competent authorities or MJTD to be invalid or unenforceable under laws and regulations of Republic of the Union of Myanmar, then such provision shall be ineffective to the extent of such invalidity or unenforceability, without affecting any other provisions of these Regulations, which shall remain in full force and effect.

3.3 Utilities Connection Application

Locators shall apply “Utilities Connection Application” with [Format F](#) for Water Supply, Wastewater Discharge Pipeline, Rainwater Discharge Pipeline, Telecommunication Line and Power Line Connection work to commence for connection work with 2 sets of hard and soft copies (CD).

Connection works shall be conducted by the locator only under presence of MJTD and with prior approval.

Excavation work in buffer zone must be done by the Locator using manual labor or by other methods provided that the locator shall exercise due care not to damage the underground utilities when undertaking such excavation work. The locator shall compensate MJTD for any damages or losses to the underground utilities of MJTD arising from the excavation works on

the part of the locator or its employees/agents. (Ref. Articles 12.2.3 in Internal Regulations of TSEZ)

In addition, Locator shall invite three times of Inspection to MJTD for each utility connection works:

- (i) 1st Inspection – Before excavation,
- (ii) 2nd Inspection – Before backfilling, and
- (iii) 3rd Inspection – After restoration

Then, Locator can proceed next step only after pass MJTD's Inspection.

3.4 Utilities Connection for Water Supply

For water supply connection application, Locator shall prepare the drawing as below

- (a) General layout plan
- (b) Water supply layout plan
- (c) Detail drawing of water supply connection point (Plan, Section drawing etc)
- (d) Connection work schedule for water supply

3.5 Utilities Connection for Wastewater Discharge

For wastewater discharge connection application, Locator shall prepare the drawing as below

- (a) General layout plan
- (b) Wastewater discharge pipeline layout plan
- (c) Detail drawing of sewage connection point (plan, section etc.)
- (d) Connection work schedule of wastewater discharge pipeline

3.6 Utilities Connection for Rainwater Drainage Pipeline

For rainwater drainage connection application, Locator shall prepare the drawing as below

- (a) General layout plan
- (b) Rainwater drainage pipeline layout plan
- (c) Detail drawing of rainwater drainage connection point (plan, section etc.)
- (d) Connection work schedule of rainwater discharge pipeline

3.7 Utilities Connection for Power Line

For Power line connection application, Locator shall prepare the drawing as below

- (a) Power cable layout plan
- (b) Detail drawing of power line connection point (Plan, Section drawing etc)
- (c) Connection work schedule for power line

Information: Locator shall fill the date for pre-inspection who inspects by MJTD before Electrical Inspection by OSSC.

3.8 Utilities Connection for Telecommunication Line

For Telecommunication line connection application, Locator shall prepare the drawing as below

- (a) Telecommunication line layout plan
- (b) Detail drawing of telecommunication line connection point (Plan, Section drawing etc)

3.9 Connection Charges Application [Power, Water and Telecommunication]

Locator shall pay to MJTD for the rights to connect its power cable, water pipe and telecommunication to the common power supply system, water pipeline and telecommunication of TSEZ. Only after completion of such payment, locator shall be allowed to commence the connection work.

“The connection charges application” with [Format G](#) shall be submitted before locator apply start of utilities application.

3.10 Power Shutdown Application and Power Shutdown Request

Locator shall submit “Power Shutdown Application” with [Format H](#) when locator/contractor need power shutdown for power line connection.

The Locator shall request to MJTD for power outage in order to connect the Locator’s power system to the common power system of MJTD as necessary. Because such power outage may also result in power outage for other Locators connected to the same loop system, the Locator shall request to MJTD power outage for the connection works to the common power system of MJTD not later than thirty (30) calendar days or otherwise approved by MJTD before such connection work.

When Locators need to shut down power for the purpose of maintenance and improvement of locators’ infrastructure, locators shall apply to MJTD at least thirty (30) days in advance or otherwise approved by MJTD.

MJTD will inform the locators for power supply system shut down 7 days prior notice except emergency condition happens.

3.11 Permitted days for power connection works

For the same reason, only during the daytime on Sunday or otherwise approved by MJTD is the power outage and connection works permitted. MJTD will approved power shutdown for urgent case or there is no affected locator requested by locator.

3.12 Start of Utilities Application

Locator shall apply “Start of Utilities Application” with [Format I](#) to MJTD.

3.13 Start of Water Supply

Locator shall apply for start of usage for water supply after finished the followings:

- (i) Passing the 3rd Inspection of Water Supply Connection Work, and
- (ii) Transferring the connection charge to MJTD.

Locator shall invite an inspection, which is to record the rating of water meter by both Parties, to MJTD.

3.14 Start of Wastewater Discharge

Locator shall apply for start of discharge for wastewater after finished the followings:

- (i) Passing the 3rd Inspection of Wastewater Pipe Line Connection Work,
- (ii) Completing the wastewater system of the plot, and
- (iii) Using the water supply of MJTD.

Locator shall invite an inspection to MJTD for checking the complete system of wastewater.

3.15 Start of Power Energizing

After receiving approval by both MJTD and Authority of the completion inspection, the Locator shall apply for power energizing application to MJTD with below attachments –

- (a) Copy of Electricity Certificate (EC) issued by the Industry Section of OSSC.
- (b) Copy of YESC Charges Receipt
- (c) Copy of Receipt for Connection Charges of Power System

For Power Energizing, Locator shall mention “Name of in charge person for Power from Locator”

3.16 Start of Telecommunication Line

After receiving approval by MJTD of the completion of inspection, the Locator shall apply for start of telecommunication to MJTD with below attachment–

- (a) Copy of Receipt for Connection Charges of Telecommunication

SECTION IV. PROCEDURE FOR INSPECTION BY MJTD

4.1 Construction Procedure

4.1.1 Completion Inspection

MJTD will conduct inspection after receipt of complete and sufficient application for “Completion of Inspection” (in Articles 2.10). MJTD will approve only after Locators and/or contractors rectify or remedy the items which MJTD points out during inspection. Representative person of Locator shall join at the time of Completion Inspection.

4.2 Power Procedure

4.2.1 Authority [OSSC/EI]

Electricity Inspection Team shall inspect as below point –

1. Medium Voltage Cable Test Result
 10. Incoming
 11. Outgoing
2. Transformer Turn Ratio
3. Switchgear Operation Test and Relay
4. Mega Testing [Transformer and all cables]
5. High-Pot Testing [Underground cable]
6. Generator Test Result
7. Earth Resistance Testing [Lightning Arrester, Body and Neutral]
8. Internal Wiring System
9. Other equipment that OSSC/EI may require

4.2.2 Pre-Inspection [Myanmar Japan Thilawa Development Limited, MJTD]

MJTD shall inspect as below point –

- ### 4.3 Inspection during Operation Stage

SECTION V. MISCELLANEOUS

Submission Drawing Size shall be A3 size which can be referred in the *Appendix 5*.

Please submit and replace the revised drawings and documents after revising according to the replied comments from MJTD.

For DAA Zone A - LAF/ORDNER 1450 V 01

Page 23 of 24

For DAA Zone B	-	LAF/ORDNER 1450 V 01
		A4 70 mm Cobalt Blue
For DAAPS Zone A & B	-	LAF/ORDNER 1450 V 01
		A4 70 mm Cobalt Blue

APPENDIX

Design Overview Document

1. Area List of all Buildings

No.	Name of Building	Building Coverage (m ²)	Total Use Space (m ²)
1.			
2.			
3.			
Total Area (m ²)			
Ratio (%)			

Please see the reference drawing no. (xxx) for more clear.

2. Location and Volume of water receiving tank

Location of water receiving tank - (reference drawing no. xxx)

Volume of water receiving tank - (reference drawing no. xxx)

3. Location and volume of storehouse for hazardous and combustible materials

Location of storehouse - (reference drawing no. xxx)

Type of volume of hazardous and combustible materials

No.	Type	Volume	Location
1.			
2.			
3.			

4. Treatment and discharge plans of sewage including domestic use and manufacturing use.

(Explanation) (reference drawing no. xxx)

5. Power Connecting Plan

Power Connecting Plan - (reference drawing no. xxx)

Section of Power connection - (reference drawing no. xxx)

6. Design Concept for Security and Safety measures

During Construction –

During Operation –

Fire Alarm System – (reference drawing no. xxx)

Fire Fighting System – (reference drawing no. xxx)

Lightning Arrester – (reference drawing no. xxx)

7. Soil Volume of excavation works and backfilling works

No.	Description	Soil Volume of Excavation Works	Soil Volume of Backfilling Works
1.			
2.			
3.			
	Total		

Please see the reference drawing no. (xxx) for more clear.

Requirement Category in As-Built Drawings (Land Sublease)

1.	As-Built Drawings
i.	Master Plan
ii.	All Buildings (Plan, Sections and Elevations)
iii.	Rainwater Drainage (Layout Plan, Final Manhole Plan and Sections)
iv.	Water Supply (Layout Plan, Connection Plan and Sections)
v.	Wastewater Discharge (Layout Plan, Final Manhole Plan, Discharge connecting plan and Sections), Typical manholes plan and section
vi.	Septic tank (Plan, Section)
vii.	Fence Drawings (Plan and Section)
viii.	Gate Drawings (Sections and Elevations)
ix.	Entrance Drawings (plan, Section X-X and Section Y-Y on modified structure)
x.	Pavement (Layout and Sections)
xi.	Power Connecting (Plan and Section), 33kVA Single Line Diagram, Main Feeder System, Updated Relay Coordination Setting, Load List
xii.	Telecom Connecting (Plan and Section) if any
xii.	Others

Notes : If there any design changes during construction, locators or contractors shall submit the design change before changing and submitting CCI.

Requirement Category in As-Built Drawings (Rental Factory)

1.	As-Built Drawings
i.	Master Plan
ii.	Rental Unit (Plan, Sections and Elevations)
iii.	Water Supply (Layout Plan, Connection Plan and Sections)
v.	Wastewater Discharge (Layout Plan, Discharge connecting plan and Sections)
xi.	Power Connecting (Plan and Section), 33kVA Single Line Diagram, Main Feeder System, Updated Relay Coordination Setting, Load List
xii.	Telecom Connecting (Plan and Section) if any
xii.	Others

Notes : If there any design changes during construction, locators or contractors shall submit the design change before changing and submitting CCI.

	COMPLETION INSPECTION CHECK LIST	Rev: 00
MYANMAR JAPAN THILAWA DEVELOPMENT		

Lot No.		Date:	
Company Name.			
Items	Items Inspection	Status	Comment

1. Buffer Zone

1	Landgrading	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
2	Plantation at the Buffer Zone	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
3	Modified Walkway	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
4	Entrance	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
5	Modified Structure	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
6	MJTD rainwater manhole	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
7	MJTD Sewage manhole	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
8	Rainwater Connection Point	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
9	Sewage Connection Point	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
10	Housekeeping	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	

2. Fence

1	Open Type	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
2	Open Type -Footing height	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
3	Open Type -Total Height	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
4	Close Type	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
6	Close Type -Total Height	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
7	Dyke protection / Slope protection	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	

3. Rainwater Drainage System

1	Perimeter Ditch	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
2	Rainwater Drainage Pipe line	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
3	Sedimentation Pit	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
4	Final Manhole	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	
5	Temporary Drainage at the future area	<input type="checkbox"/> OK	<input type="checkbox"/> Not OK	<input type="checkbox"/> N/A	

	COMPLETION INSPECTION CHECK LIST	Rev: 00
MYANMAR JAPAN THILAWA DEVELOPMENT		

Items	Items Inspection		Status	Comment
-------	------------------	--	--------	---------

4. Water Supply System

1	Water Tank		<input type="checkbox"/> OK <input type="checkbox"/> Not OK <input type="checkbox"/> N/A	
2	Connection Point		<input type="checkbox"/> OK <input type="checkbox"/> Not OK <input type="checkbox"/> N/A	
3	Gate Valve		<input type="checkbox"/> OK <input type="checkbox"/> Not OK <input type="checkbox"/> N/A	

5. Sewage System

1	Septic tank		<input type="checkbox"/> OK <input type="checkbox"/> Not OK <input type="checkbox"/> N/A	
2	All Sewage Manhole		<input type="checkbox"/> OK <input type="checkbox"/> Not OK <input type="checkbox"/> N/A	
3	Final Manhole		<input type="checkbox"/> OK <input type="checkbox"/> Not OK <input type="checkbox"/> N/A	
4	Water Stopper or Gate valve		<input type="checkbox"/> OK <input type="checkbox"/> Not OK <input type="checkbox"/> N/A	

6. Power

2	Location of Generator		<input type="checkbox"/> OK <input type="checkbox"/> Not OK <input type="checkbox"/> N/A	
3	Electrical Manhole		<input type="checkbox"/> OK <input type="checkbox"/> Not OK <input type="checkbox"/> N/A	

5. Internal

1	Setback line		<input type="checkbox"/> OK <input type="checkbox"/> Not OK <input type="checkbox"/> N/A	
2	Landscaping		<input type="checkbox"/> OK <input type="checkbox"/> Not OK <input type="checkbox"/> N/A	
3	Guard House		<input type="checkbox"/> OK <input type="checkbox"/> Not OK <input type="checkbox"/> N/A	
4	All Buildings		<input type="checkbox"/> OK <input type="checkbox"/> Not OK <input type="checkbox"/> N/A	
5	Loading and unloading area		<input type="checkbox"/> OK <input type="checkbox"/> Not OK <input type="checkbox"/> N/A	
6	Location of garbage storage area		<input type="checkbox"/> OK <input type="checkbox"/> Not OK <input type="checkbox"/> N/A	

Attendance List (Name, Company Name & Email Address)

1	5
2	6
3	7
4	8

REMARKS/ RECOMMENDATIONS

Yangon Electricity Supply Corporation Infrastructure fee as of 1st April 2010

No	Transformer Rating (KVA)	Register Fee	Deposit	Infrastructure Charges
1	50	20,000	307,500	1,800,000
2	100	20,000	607,500	2,100,000
3	150	20,000	907,500	2,400,000
4	160	20,000	967,500	2,400,000
5	200	20,000	1,207,500	2,700,000
6	250	20,000	1,507,500	3,000,000
7	300	20,000	1,807,500	3,300,000
8	315	20,000	1,897,500	3,300,000
9	400	20,000	2,407,500	3,900,000
10	450	20,000	2,707,500	4,200,000
11	500	20,000	3,007,500	4,500,000
12	700	20,000	4,207,500	5,800,000
13	750	20,000	4,507,500	6,300,000
14	900	20,000	5,407,500	6,800,000
15	1,000	20,000	6,007,500	7,800,000
16	1,100	20,000	6,607,500	8,300,000
17	1,250	20,000	7,507,500	9,300,000
18	2,000	20,000	12,007,500	18,000,000
19	2,500	20,000	15,007,500	21,000,000
20	3,000	20,000	18,007,500	25,000,000
21	5,000	20,000	30,007,500	50,000,000
22	10,000	20,000	60,007,500	100,000,000
23	15,000	20,000	90,007,500	150,000,000
24	20,000	20,000	120,007,500	200,000,000
25	25,000	20,000	150,007,500	250,000,000
26	30,000	20,000	180,007,500	300,000,000

Note: Fees and Charges subject to change

Appendix 5

DRAWING SIZE : A3

Drawings submitted must be clear and legible for microfilming.

SUBMISSION DRAWING

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AUTHORITIES NAME AND ADDRESS :

THILAWA SPECIAL ECONOMIC ZONE MANAGEMENT COMMITTEE
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Website : www.mjtd.com.mm

LOCATOR'S NAME AND ADDRESS :

ARCHITECTS/ENGINEER'S NAME AND ADDRESS:

NAME CONTRACTOR'S NAME AND ADDRESS

PROJECT :

DRAWING DESCRIPTION :

SCALE:

54

DRAWN

CHECKED

APPROVED

DEBUNKING NO

REVIEW

[illegible]

SUBMISSION DRAWING

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AUTHORITIES NAME AND ADDRESS :

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Website : www.mjld.com.mm

LOCATOR'S NAME AND ADDRESS :

ARCHITECTS / ENGINEER'S NAME AND ADDRESS :

NAME CONTRACTOR'S NAME AND ADDRESS

PROJECT :

DRAWING DESCRIPTION :

SCALE:

KY

DRUM

CHECKED

APPROVED






DRAWING NO.

EVIDENCE

[illegible][illegible]

General Application Flow Chart

No	Action Items	Organization		Documents	Duration (Days)	1st Month	2nd Month	3rd Month	4th Month	5th Month	6th Month	varies depends on construction schedule	varies
		MJTD	OSSC										
1	Reservation Agreement (including payment)	✓		Reservation Agreement	Approx. 10 Business Days								
2	Investment Permit		✓	Investment Permit	Max. 30 Business Days								
3	Set Up Company in Myanmar		✓	-	1 Business Day								
4	Land Sublease Agreement (shall complete within 120 days after Reservation Agreement)	✓		Sublease Agreement	-								
5	Environment Approval (ECPD)		✓	ECPD Approval	10 Business Days								
	Temporary Preparation Work	✓		Designated Letter	5 Business Days								
	(if necessary) Soil Boring and Soil Quality Survey Work	✓		Designated Letter	5 Business Days								
	(if necessary) Permanent Fence Work	✓		SOC (Fencing)	5 Business Days								
	Design Approval Application	✓		DAA	20 Business Days								
	Design Approval Application for Power System	✓		DAAPS	10 Business Days								
6	(if necessary) Temporary Commencement of Building Factory Construction Work (= piling work)		✓	Designated Letter	15 Business Days								
	(if necessary) Piling Work	✓		SOC (Piling)	5 Business Days								
7	Building Permission		✓	Building Permit	30 Business Days								
	Fire&Safety Certificate		✓	Certificate	30 Business Days								
8	Approval from Start of Construction	✓		SOC	10 Business Days								
9	Design Approval for Connection of Utilities (Water supply)	✓		Approval	5 Business Days								
	Design Approval for Connection of Utilities (Drainage/Sewage/Power and Telecom)	✓		Approval	5 Business Days								
	Start of Utilities (Water Supply)	✓		Approval	5 Business Days								
10	Electricity inspection(check if DAAPS correspond with what it is like)	✓	✓	Designated Letter	within 14 Business Days								
	Start of Utilities (Sewage and Telecom)	✓		Approval	5 Business Days								
	The EC Certificate from Electrical Inspection		✓	EC Certificate	within 3 Business days								
	Start of Utilities (Power)	✓		Approval	3 Business Days								
	Final inspection& Building Completion Certificate		✓	BCC	8 Business Days								
	Final inspection of ECPD		✓	Form EN5-2	5 Business Days								
11	Certification of Completion Inspection	✓		CCI/GCC	within 3 Business Days								
12	Factory Operation Certificate		✓	FO	within 3 Business Days								
13	Commencement of Commercial Operation		✓	CCO	-								

	Compulsory Submission Application
	Duration for Replying Comments (if all conditions are satisfied, will issue approval within 3 days)
	Not compulsory submission application (depends on locators' or contractors' target completion date or requirement)
	Will get approval if all conditions are satisfied
	Can Proceed Parallel

FREQUENT QUESTION & ANSWER FOR CONSTRUCTION

No	Type	Description	Remark
1	Q	Is it possible to reduce the time duration for DAA (Design Approval Application)?	DAA
	A	It is allowed to submit documents in advance before official submission to save time. Free consultation service is also available, please feel free to contact.	
2	Q	What are Foot Print/Building Area and Floor Area mean?	
	A	Foot Print/Building Area is the area of building which is touching on the ground. Floor Area is the total area of building composed of all number of floors (eg. If the building is 2 Storey Building, 2nd floor area is also included in Floor Area Calculation)	
3	Q	How to fill "the Year for Future Demand Forecast of Water and Power Supply"?	
	A	The year of your operation stage is filled.	
4	Q	What is the design overview document which is mentioned in Exhibit 2?	
	A	Design overview document is the summary/content of the document submission. Please refer the sample in the appendix of Guidelines Book.	
5	Q	Is it allowed to discharge wastewater to rainwater box culvert?	
	A	No. Locators are not allowed to discharge wastewater to rainwater box culvert at any time. MJTD provide the exact wastewater manhole to discharge .	
6	Q	Is it allowed to discharge domestic and industrial wastewater into wastewater system?	
	A	Yes, locators can discharge domestic wastewater and industrial wastewater into same wastewater discharging pipeline. However, locators have to pre-treat domestic and industrial waste to meet the regulation before discharging.	
7	Q	How to submit the document for Power Connecting Plan?	
	A	Locator is requested to submit only the connection point with description of electrical pole number and location of transformer/generator during DAA submission. Other details are required during DAAPS (Design Approval of Power Supply) submission.	
8	Q	When to submit DAAPS (Design Approval of Power Supply)?	
	A	Locator can submit DAAPS after getting approval of DAA. It is also possible to submit within DAA submission to save time for final approval.	
9	Q	What is the Soil Balance Calculation Sheet?	
	A	Soil Balance sheet is the balance calculation result sheet of the soil volume for land excavation and backfilling.	
10	Q	Do the locators need to pay for the Application fees?	
	A	No, locators do not need to pay application fees to MJTD.	
11	Q	How long is the duration time for DAA (Design Approval Application) process ?	
	A	The first response from MJTD is within 15 Business days after application. Locator to clarify and replace necessary documents according to the MJTD's comments. The second response from MJTD is within 10 Business Days. After all revised design, clarifications and conditions are satisfied by MJTD, MJTD will issue Approval for Design Application within 3 Business Days.	
12	Q	When and how to know the utility locations?	
	A	MJTD will provide the Utilities Connection Location Drawing after Land Sublease Agreement completed.	
13	Q	Designed rainwater discharge level (important)	
	A	It is requested to carefully design land rainwater drainage system since rainfall intensity is very high in Myanmar. In Zone A, designed rainwater table in drainage culvert will vary from MSL+4.00m to MSL+5.84m based on the 10 years rainfall intensity. In Zone B, the water table will vary from MSL+4.00m to MSL+ 5.15m. Designer is requested not to expect rain water drainage culvert is always at free fall condition.	
14	Q	Can locators use buffer zone Fire hydrant?	
	A	No. The fire hydrant located in the buffer zone is used by MJTD only. Locators shall install their own fire fighting system by their own cost.	

FREQUENT QUESTION & ANSWER FOR CONSTRUCTION

No	Type	Description	Remark
15	Q	Can locators/contractors omit the final inspection manhole for sewage system?	
	A	No. Locators/contractors must have the final inspection manhole for sewage system. Please follow the Exhibit 5 of Internal Regulations for design.	
16	Q	Are there any limited numbers of provided sewage manhole for discharging?	
	A	Currently, we do not have any limitation number of MJTD's sewage manhole for discharging. But, you need to submit the result of swerage parameters for each manhole.	
17	Q	Do MJTD arrange the location of Disposal area for excess soil?	
	A	Yes. MJTD will arrange the location of soil disposal. However, locator is responsible to dispose the soil properly by their own cost and shall submit application for Soil Disposal 30 Business days in advance.	
18	Q	Who is the signer of submission of the application?	
	A	The representative of locator or the person who has gotten the power of attorney from locator is the signer for submission of the application.	
19	Q	Which rules shall applied for Fence works?	
	A	For the fence construction, please refer the Section IV, Articles 19 of Internal Regulations . Locators shall design the landscaping area in their plot to not overflow rainwater from their own plot.	
20	Q	Can locators/Contractors use pile foundation for fence?	
	A	There are many underground utilities in the buffer zone. So, MJTD recommend not to use pile foundation for fence. If locators want to use pile, please discuss with MJTD in advance.	
21	Q	Do locators/contractors need to inform for design change/modification?	Design Change/Modification
	A	Yes. Locators/contractors need to submit Design Change/Modification Application if there are any changes from the DAA's approval or Approval of CCI.	
22	Q	How long does MJTD take for Design Change Application?	
	A	It depends on the magnitude of design changes. If minor, locators/contractors can get approval within 5 business days. If major, locators/contractors can get approval within 20 business days.	
23	Q	What is major and minor design change?	
	A	MJTD define Major Design Change when changing the number of buildings and size of building (if exceed 200 sq-m with utilities), changing the type of structure, etc. MJTD define Minor Design Change when adding new car parking, oil tank and septic tank, etc. interior and exterior decoration changes and room arrangement changes, increasing and decreasing the road area and landscaping area, etc.	
24	Q	When can locator submit for CCI application?	CCI
	A	Locators can submit CCI application after getting approval from TSMC/OSSC (Building Completion Certificate (BCC), Electricity Certificate, Form EN-5-2). Please see the Format C in which mention the required documents.	
25	Q	Which point does MJTD inspect during CCI?	
	A	MJTD inspects especially external works, not only MJTD's Buffer Zone but also locators' plots, the utilities connection points and the final inspection manhole functions are the most important to inspect. Please see the Check List for further details.	
26	Q	How many times MJTD perform inspection of CCI?	
	A	MJTD usually perform two times for CCI inspection. The first time is by locator's / contractor's inspection request. The second time is that MJTD decided to inspect after the locators/contractors had made rectifications based on the first time inspection.	

FREQUENT QUESTION & ANSWER FOR CONSTRUCTION

No	Type	Description	Remark
27	Q	How long does CCI take time for approval?	
	A	It depends on the locators' rectification work based on MJTD's comments during the first CCI inspection. If all the conditions are satisfied by MJTD, MJTD will issue Approval of CCI within three business days.	
28	Q	How to minimise the comments from MJTD during inspection ?	
		Locators/contractors can minimise CCI Inspection comments by checking by yourself, 1) Construction sites are cleaned up. 2) As-built drawings and existing structures are the same. 3) Oil separator and scree net are properly functioning in the final manhole. 4) All sewage manholes and pipes have no leakage of rainwater. 5) Inside manholes are dry, no leakage and easy access. 6) Soils and garbages are removed from drainage culvert. 7) No leakage or cracks or damage for manholes and existing utilities. 8) Utility connection area is smoothly finished with soil and turfing and without potholes.	
29	Q	How to get water during construction period?	
	A	Locators/contractors can submit the Water Supply Application to MJTD if you want to get the water from MJTD.	
30	Q	How to get electricity during construction period?	
	A	Locators/contractors shall use own generator during construction period.	

FREQUENT QUESTION AND ANSWER FOR CONSTRUCTION

No.	Type	Description	Remark
1	Q	How can I get the application format of MJTD?	All App;
	A	You can get the application format of MJTD at following link. http://www.mjtd.com.mm/Procedure-for-Construction	
2	Q	How can we submit the applications to MJTD?	All App;
	A	You have to submit all applications in person. However, you can submit the soil investigation and survey work applications by email.	
3	Q	What documents should we attach the applications?	All App;
	A	MJTD mentioned the documents which are needed to attach at each Application Format.	
4	Q	Do we need to pay for the Application fees?	All App;
	A	No, you don't need to pay the fees for application.	
5	Q	When can we do the soil investigation work at the earliest?	Soil Inves;
	A	You can do the soil investigation work after reservation agreement.	
6	Q	When can we do the survey work at the earliest?	Survey
	A	You can do the survey work after sublease agreement.	
7	Q	When can we do the temporary work at the earliest?	Temporary
	A	You can do the temporary work after sublease agreement.	
8	Q	Can I do the entrance (temporary and permanent) near MJTD's Electrical Pole ?	Temporary
	A	All Entrances are far from one and half (1.5) meters from the location of the street light, electrical pole, hydrant, Ring Main Unit and/or any other physical structure of MJTD in accordance with Article 16.1 of Internal Regulations.	
9	Q	Can we use the MJTD's supplied water in construction stage?	WS
	A	You can use MJTD's supplied water after getting the approval for both DAA and Temporary Work. In addition, following applications shall be submitted to MJTD: 1) Connection Charge for Water Supply, 2) Connection work for water supply, and 3) Start of Usage for Water Supply. You can submit the Connection charge and Connection Work at the same time, but Start of Usage can be submitted after finished the process of above two applications.	
10	Q	Can we do the piling work before getting the approval for Start of Construction?	SOC-Piling
	A	you can do the piling work before getting the approval for Start of Construction, but (1) Permit of Temporary Commencement of Construction from TSMC and (2) Copy of Insurance document shall be attached. In addition, the application for Start of Construction for Piling shall be submitted to MJTD in advance.	
11	Q	Can we dispose the soil to somewhere?	Soil Disposal
	A	The locator has to dispose the soil at designated soil disposal area by MJTD in accordance with Article 12.2.6.3 of Internal Regulations.	
12	Q	Can our employees stay in the plot?	Under Const:
	A	No, your employees cannot stay in the plot except security guards, watchmen, maintenance shift personnel and other in accordance with Article 5.11 of Internal Regulations.	
13	Q	How can we know the person in charge for each applications?	Under Const:
	A	MJTD will have the construction kick off meeting within 5 business days after you get the approval for Start of Construction. MJTD will share the contact information of person in charge for each applications at that meeting.	
14	Q	Can we do the excavation work in buffer zone by machine?	Under Const:

FREQUENT QUESTION AND ANSWER FOR CONSTRUCTION

No.	Type	Description	Remark
	A	No, that work must be done by using manual labor in accordance with Article 12.2.3 of Internal Regulation .	
15	Q	Can we park the cars or motor bikes on common road within TSEZ?	Under Const:
	A	On-street parking without permission of MJTD is strictly prohibited within TSEZ in accordance with Article 18.1 of Internal Regulation .	
16	Q	What system do we need to install/construct at final manhole of Rainwater Drainage System?	RD
	A	The locator shall be responsible for constructing the final manhole with sedimentation pit including trash trap and its design shall be subject to MJTD's approval. Then, trash trap shall be installed with (1) screen net to catch floating objects and (2) grease trap to effectively catch oily substance in accordance with Article 24.1 of Internal Regulation .	
17	Q	What system do we need to install/construct at inspection manhole of Wastewater System?	WD
	A	The locator is obliged to install the Inspection manhole and its design shall be subject to MJTD's approval. The inspection manhole just before discharging to MJTD's common wastewater pipeline shall be installed with (1) screen net to catch floating objects and (2) grease trap to effectively catch oily substance in accordance with Article 27.1.3 of Internal Regulation .	
18	Q	Do we need to pay the connection charges for Wastewater and Rainwater?	RD & WD
	A	No, you don't need to pay the connection charges for Wastewater and Rainwater.	

FREQUENT QUESTION & ANSWER FOR POWER SYSTEM

No	Type	Description	Remark
1	Q	Do locators shall use On-Load Tap Changer for transformer?	NORMAL
	A	Currently, Electric power supply is stable however, MJTD recommend to use on-load tap changer for voltage stable.	
2	Q	How many capacities can use in Thilawa SEZ? / mentions maximum transformer capacity?	
	A	MJTD do not restrict the transformer capacity or demand, locator shall refer to "Company Profile Data" when they do reservation contract between locator and MJTD.	
3	Q	Is there have any power outage in Thilawa SEZ?	
	A	Thilawa SEZ have two types of power outages. It is depend on the type of outage 1. Casual power outage 1a) Internal fault 1b) External fault 2. Planned power outage	
4	Q	How many times casual power outage in Thilawa SEZ?	
	A	It is depend on national grid condition.	
5	Q	Is there any voltage fluctuation in Thilawa SEZ?	
	A	Yes, voltage fluctuation always happens. MJTD recommend to use voltage regulator or Auto tap changer at transformer.	
6	Q	Duration of power outage?	
	A	It is depend on the type of outage. 1. Casual power outage 1a) Internal fault [~ within one hours] 1b) External fault [~ estimate several hours] 2. Planned power outage [8 hours - announce to related locator 10 days in advance]	
7	Q	How much percentage of voltage fluctuation?	
	A	Normally, voltage fluctuation is not over 10%. In addition, it has voltage sag.	
8	Q	Shall locator use Electric Pole when tapping from MJTD Disconnection Switch or RMU?	TECHNICAL ISSUE
		This is possible to use electric pole in the locator property but we are not allow to use overhead to overhead. From Disconnection Switch Please connect overhead to underground to overhead. From RMU Please connection underground to overhead.	
9	Q	MJTD can check pre reviewing for Design Approval Application Power System?	
	A	Yes, we will reviewing pre-checking for DAAPS before official submission.	
10	Q	Who will apply transformer application?	
	A	MJTD will arrange transformer application to YESC instead of locator.	
11	Q	Who should arrange procurement of KWH meter?	
	A	MJTD will provide KWH meter for each locator.	
12	Q	Who will provide Disconnection Switch/ RMU?	
	A	MJTD will provide Disconnection Switch/RMU for each locator in MJTD property (Green Area/Buffer Zone)	

FREQUENT QUESTION & ANSWER FOR POWER SYSTEM

No	Type	Description	Remark
13	Q	Is MJTD accept Soft copy document submission (Email)?	
	A	We do not allow to submit soft copy document submission but we do check pre reviewing the document and drawing before official submission with soft file (Email)	
14	Q	Who will do inspection for their installation?	
	A	There are 2 (Two times) inspections. 1) MJTD (Pre-inspection) 2) Electrical Inspection (EI inspection)	
15	Q	Who will do installation of KWH meter?	
	A	KWH meter installation is locator's scope of work.	
16	Q	Who will do cable termination for High Voltage?	
	A	Cable termination is locator's scope of work.	
17	Q	Can locator use aluminium cable (high voltage and low voltage) ?	
	A	MJTD may agree to use aluminium cable. However, locators require to received acceptance from EI in advance for utilize aluminium cable.	
18	Q	How many day locator need to wait for approval (DAAPS)?	
	A	Maximum 10 working days	
19	Q	When locator shall submit DAAPS application to MJTD?	
	A	Before start of construction related with power, locator shall submit DAAPS application. Without approval, MJTD are not allow to do construction work related with power (high and low voltage).	
20	Q	How many days need to wait for approval (Power Line Connection)?	PLC
	A	Maximum 5 business days.	
21	Q	How many day need to submit Power Line Connection application to MJTD?	
	A	Locator shall submit before start excavation work at site.	
22	Q	Will MJTD inspect for excavation?	
	A	Yes, MJTD will do inspection for excavation.	
23	Q	How many days need to wait for approval (Power Shut down Application)?	PSD
	A	Maximum 5 working days.	
24	Q	When locators shall submit Power Shut Down application to MJTD?	
	A	Locator shall submit application one month in advance.	
25	Q	Will MJTD do power shut down?	
	A	Yes, MJTD will do power shut down for locator at MJTD's property.	
26	Q	Will MJTD do connection work at Disconnection Switch/RMU?	
	A	Cable termination/cable connection is locator's scope of work.	

FREQUENT QUESTION & ANSWER FOR POWER SYSTEM

No	Type	Description	Remark
27	Q	What is the major design change and minor design change?	DESIGN CHANGE
	A	Transformer, 33kV Switchgear, Current Transformer, Voltage Transformer and relay are major design change. Other low voltage equipment are minor design change.	
28	Q	How many day takes for design change to receive approval?	
	A	Maximum 5 working days.	
29	Q	Are there any charges/fee for related with Power Connection?	CHARGES
	A	There has 2 charges/ fee for DAAPS. 1. YESC fee (Registration fee, Deposit fee and Infrastructure fee). It depends on transformer capacity. 2. Connection Charges	
30	Q	Is there any charges/fee for related with Telecommunication?	TELECOM
	A	It has connection charges for telecommunication (one core per 8000 USD).	
31	Q	How many day takes for telecom approval?	
	A	Maximum 5 working days.	
32	Q	When locators shall submit Telecom Line Connection application to MJTD?	
	A	Locator shall submit before start excavation work at site.	
33	Q	Will MJTD inspect for excavation?	
	A	Yes, MJTD will do inspection for excavation accordance with power regulation.	
34	Q	Who will apply for EI inspection?	
	A	Locator shall apply EI inspection invitation application.	

COMMON COMMENT

No	Description	Remark
1	Footprint/Building Area Ratio and Floor Area Ratio	
	Please fill out the foot print area ratio and floor area ratio in Format A_C. The ratio for footprint area & floor area shall be the same in the calculation table and drawings.	
2	Calculation of Floor Area	
	The mezzanine floor should be included in the floor area.	
3	Master Plan	
	Master Plan shall include below; (1) Boundary lines of plot (2) setback lines, (3) landscaping area (4) roads in the plot (5) plot entrance and exit (6) fences and gates (7) parking space (8) location of signage, (9) sign for road direction (10)table of building coverage and floor (11) underground tanks area ratio (12) outlines of buildings (13)other external facilities, utilities (14) connection points	
4	Utilities pipeline (on the ground)	
	Utilities pipeline on the ground shall be mentioned in the drawing clearly.	
5	Rainwater Drainage Layout Plan	
	Rainwater Drainage Layout Plan should be included the catchment area for rainwater discharging at point of rainwater discharged area.	
6	Rainwater Drainage Connection	
	Rainwater Drainage Connection should be included below information; (1) The invert level at the start point and end point of discharging connection to MJTD. (2) The description of the dimension between the connection line and the existing utilities in buffer zone. (Please refer Exhibit 5 for further details)	
7	Final Manhole for Rainwater Drainage Connection	
	Final manhole before discharging to MJTD's culvert shall be constructed. (Please refer Exhibit 5 for further details.)	
8	Rainwater connect wrongly with sewage manhole	
	The locators shall connect its drainage system to MJTD's drainage facility and please do not discharge rainwater to MJTD's sewage manhole.	
9	Perimeter Ditch	
	Please construct the perimeter ditch or other proper way for not overflowing rainwater from the gate of plot to MJTD's common area.	
10	Open Drain	
	The open drains shall not be constructed in the landscaping area.	

COMMON COMMENT

No	Description	Remark
11	Wastewater and Sewage Layout Plan	
	Wastewater and Sewage Layout Plan shall be included ; (1) Sewage manholes (2) Septic tank (3) Sump pit (if any) (4) Final manhole	
12	Wastewater Discharge Connection	
	The applicant shall mention the invert level at the start point and end point of discharging connection to MJTD.	
13	Wastewater/sewage manholes' level and type	
	Please rise up the cover of wastewater/sewage manholes 150mm from Ground Level. All wastewater/sewage manholes shall be water proof type.	
14	Final Manhole for wastewater/sewage Connection	
	Please make the design for final manhole before discharging to MJTD's sewage manhole according to the Exhibit 5 in the Internal Regulations of TSEZ.	
15	Sewage connect wrongly with rainwater manhole	
	Sewage shall be discharge to the MJTD's sewage manhole and strongly prohibit the wastewater/sewage discharge to rainwater drainage system.	
16	Water Supply Layout Plan	
	The applicant shall mention the location of water receiving tank with the volume of water storage in the layout plan.	
17	Gate valve	
	The locators/contractors shall install the valve with pit for the water supply system.	
18	Water receiving tank is on ground or under ground	
	Please mention the water receiving tank is on ground or underground. And please submit the plan and section drawings if it is necessary. If the water receiving tank is on the ground, it should be restricted from setback line.	
19	Single line diagram	
	Single line diagram shall be submitted in DAAPS. DAA does not require the single line diagram.	
20	Power Connecting Plan	
	Please submit the Power connecting plan from MJTD's provided area to their transformer and mention transformer capacity in the drawing.	
21	Section details for excavation	
	Please submit the section details drawing for excavation to connect of power supply.	
22	Entrance Drawing	
	Please submit and make two sections (X-X on walkway & Y-Y on the entrance) with the modification and strengthening for heavy truck.	

COMMON COMMENT

No	Description	Remark
23	Entrance and Existing Utilities	
	The entrance and existing utilities shall be a distance at least 1.5m to ensure a safe and efficient flow of traffic.	
24	Fence Drawing	
	Please submit the plan and section drawings of fence drawing with the description of property boundary line and level of landscaping inside of your plot.	
25	Format A_C in Design Change	
	Please submit the Format A_C if there is an increment or decrement of area of building in your design change	

COMMON COMMENT FOR DAAPS

No	Type	Description	Remark
1	Q	Connection Point [Disconnection Switch/Ring Main Unit]	
	A	MJTD shall provide only one connection point for every locator [Disconnection Switch or Ring Main Unit]	
2	Q	Tariff Meter (kWH Meter)	
	A	MJTD will provide only one KWH meter for every locator. Locators shall provide Current Transformer (CT) and Potential Transformer/ Voltage Transformer (PT/VT) for kWH meter installation. KWH meter installation is locator's scope of work. If locators shall use outdoor type CT and PT, locator shall arrange weather proof type metering panel with human eye level/ 1.5 meter/5 feet .	
3	Q	Cable Termination (High Voltage and Low Voltage)	
	A	Cable termination is locator's scope of work. MJTD will cooperate or support to locators.	
4	Q	Pre-Inspection [Before EI inspect]	
	A	MJTD will do pre inspection before EI inspect. MJTD will cooperate with locator when EI team inspection time. Pre-inspection will do High Voltage equipment from Incoming panel to Main Distribution Panel [kWh meter installation, CT, PT, Relay setting and etc] which is match between Drawing submission / Approval and Installation.	
5	Q	Metering System	
	A	After power energizing is finished, MJTD shall lock the metering system for all locator.	
6	Q	Switchgear Arrangement (33kV Switchgear)	
	A	Locator shall use switchgear with following arrangement. 1. [Incoming Panel+Metering+Outgoing Panel] 2. [Metering+Incoming Panel+Outgoing Panel]	
7	Q	Specification Data	
	A	Locator shall submit full specification of technical data such as CT, VT/ PT (metering and protection), relay specification, 33kV switchgear specification, transformer specification, cable specification and any other document that MJTD may require.	
8	Q	Relay Protection	
	A	Locator shall use protection system of overcurrent and earth fault protection (high setting and low setting) with relay coordination curve and summary data.	
9	Q	Earthing Layout	
	A	Locator shall submit earthing layout drawing with earth wire size and earthing result.	

COMMON COMMENT FOR DAAPS

No	Type	Description	Remark
10	Q	Earthing Switch	
	A	<p>If locator use earth switch in the incoming panel , it is not allowed to operate earthing switch without advance notice to MJTD.</p> <p>In case, earthing switch is operated without notice to MJTD, locator has to take responsibility any consequence.</p> <p>Please install interlock system and pack lock at earthing switch of incoming panel.</p>	
11	Q	Transformer Mechanical Protection	
	A	<p>According to EI regulation, MJTD recommend to use transformer mechanical protection with full facility at VCB/GCB control circuit including alarm and trip if transformer capacity is over 800 kVA.</p> <p>Winding temperature, Oil temperature, Pressure release, Buchholz relay)</p>	
12	Q	Current Transformer (Metering)	
	A	Locator shall use current transformer primary ratio is nearest with transformer full load current.	
13	Q	Potential Transformer/ Voltage Transformer (Metering)	
	A	Locator shall use 33kV/ $\sqrt{3}$: 110 / $\sqrt{3}$ to match with MJTD's meter system	
14	Q	Surge Protection Device	
	A	MJTD recommends to use surge protection device at Main Distribution Board [Incoming panel of low voltage]	
15	Q	Lightning Arrestor	
	A	MJTD recommends to use lightning arrestor at Incoming connection point. [Incoming Panel]	
16	Q	Power Connection Point /Cable Laying @ Buffer Zone	
	A	Locator shall connect with MJTD utilities system using underground connection point.	
17	Q	Excavation Level	
	A	<p>Locator shall excavate the underground cable minimum 800 mm from ground level to underground cable [E-flex or PVC pipe]</p> <p>for Power Line Connection/33 kV cable and telecommunication.</p>	