ELECTRICITY GENERATING AUTHORITY OF THAILAND

SUPPLEMENTAL NOTICE NO. 3 INVITATION TO BID NO. RSP1-RX-02 SUPPLY OF 15 MVAr 115 kV SHUNT REACTOR TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE 1 : SUBSTATION

The attached Supplemental Notice shall be considered as part of Bidding Documents No. RSP1-RX-02

As acknowledgement of receipt that all additions, deletions and revisions contained in this Supplemental Notice are incorporated into the above Bidding Documents, Bidder is requested to sign and return this acknowledgement via email address: procurement.tse@egat.co.th within three (3) days from the date of the announcement of this Supplemental Notice on http://www4.egat.co.th/fprocurement/biddingeng/.

The original acknowledgement which is manually signed in ink by a person or persons duly authorized shall be included in the proposal to be submitted on the bid opening date.

ELECTRICITY GENERATING AUTHORITY OF THAILAND

July 11, 2019

<u>ACKNOWLEDGEMENT</u>

This undersigned Bidder hereby certifies that the additions, deletions and revisions set forth in this Supplemental Notice to Invitation to Bid No. RSP1-RX-02 are incorporated as part of the above Bidding Documents and will be fully included in any bid which he may submit.

Signed	
Title	
Company	
Date	

อผค.-อวส. FM-PM06

ELECTRICITY GENERATING AUTHORITY OF THAILAND

SUPPLEMENTAL NOTICE NO. 3 INVITATION TO BID NO. RSP1-RX-02

SUPPLY OF 15 MVAR 115 kV SHUNT REACTOR

TRANSMISSION SYSTEM EXPANSION AND RENOVATION PROJECT PHASE 1 : SUBSTATION

The following supplemental information is hereby given for the above described Invitation:

Section G: Ratings and Features

- Replace Ratings and Features No. RX7000 Rev.0 with the revised one with Rev.1 attached.

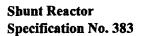
Section J: Drawings

- Add the attached Drawing No. TT/SRT-FD-SR-7-01 Sheet 01/01 Rev.2 to this section.

Bid submitted must be in accordance with this Notice. Receipt of this Notice shall be acknowledged by the Bidder on the proposal included in the Bidding Documents in the space provided on page C3, Article C-7 <u>Supplemental Notices</u>.

ELECTRICITY GENERATING
AUTHORITY OF THAILAND

July	11	2019
July		





Substation Electrical Equipment Engineering Department

Ratings and Features	Designed: ISUSM	Validated: અવૃજ્ઞ	Revision 1	Page 1/2
RF No. RX7000	Verified: 7060	Approved: عبر بالم	Dated:	2/7/62

a.	Type / Type of Cooling	3-phase, Oil Filled	l, Outdoor
b.	Class	ONAN	
c.	Rated Frequency	50	Hz
đ.	Nominal System Voltage	115	kV
e.	Max. Continuous System Voltage	121	kV
f.	Rated Capacity (3-Phase at Rated Voltage)	15	MVAr
g.	Winding Voltage Rating - Rated Voltage (High Voltage) - Rated Voltage (Neutral) - BIL (High Voltage) - BIL (Neutral) - Switching Surge (High Voltage)	115 22 550 150	kV kV kV kV
h.	Bushing Voltage Rating Rated Voltage (High Voltage) Rated Voltage (Neutral) BIL (High Voltage) BIL (Neutral) Switching Surge, Wet (High Voltage)	115 22 550 150	kV kV kV kV
i.	Bushing Creepage Distance - High Voltage - Neutral	≥ 3,025 ≥ 600	mm mm
j.	Connection	Ground Wye	
k.	Audible Noise Level (Internal noise only without external accessories such as sound panels, sound enclosure, dampers, sound absorbers etc.)	≤ 70	dB(A)
l.	Temperature Class of Winding Insulation	120	
m.	Winding Temperature Rise (Continuous at 105% Rated Voltage and Rated Frequency) - Average / Hottest Spot	≤ 60 / ≤ 75	°C

Shunt Reactor Specification No. 383



Substation Electrical Equipment Engineering Department

Ratings and Features	Designed: 28W70	Validated :	ملاءير	Revision 1	Page 2/2
RF No. RX7000	Verified: Toss	Approved:	Shir	Dated:	2/7/02

1.0 100:5 A

o. Current Transformer

- Ratio

High Voltage Terminal

TIPE COMPONENT	
- Qty. per Phase	2
- Accuracy Class	C400
- Continuous Thermal Current Rating Factor	1.0
- Ratio	100:5 A
Neutral Terminal	
- Qty	1
- Accuracy Class	C400

p. Surge Arrester, Station Class, Tank Mounted on High Voltage Side (RF SA7Y11)

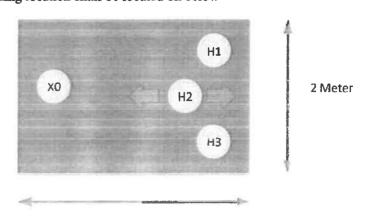
- Continuous Thermal Current Rating Factor

	Qty. per Phase	1	
-	Voltage Rating	108	kV

- q. Max. Permissible Shipping Weight 60 tons
- r. Max. Permissible Shipping Dimension ($W \times L \times H$) 4.0 m \times 2.0 m \times 4.0 m (See Note 1)
- s. Applicable Standard IEEE C57.21
- t. Limitation of Reactor Foundation
 - Foundation Plan Dimension
 Max. Permissible Load (Total Weight of Reactor)
 3.0 m ×2.0 m (W×L)
 60 tons

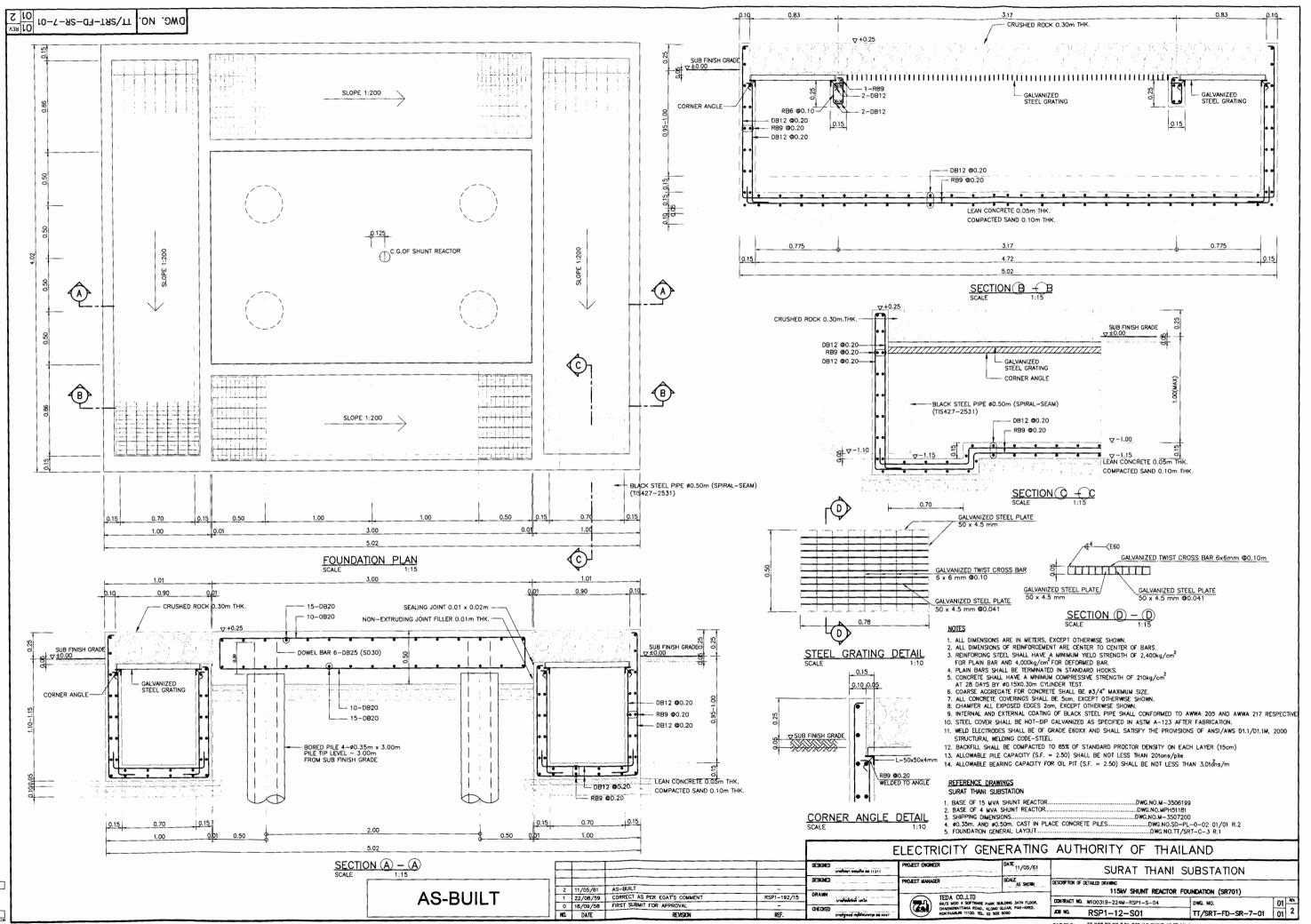
Note:

- 1. Exception to the weight and dimension limitation stated in Article: Clearance and Weight Limitations of Section E: General Conditions of Contract.
- 2. Radiators shall be designed to be attached to the reactor tank. The radiator bank located on separated foundation from the reactor foundation is not acceptable.
- 3. The bushing location shall be located on below



3 Meter

4. The shunt reactor shall be installed at foundation according to drawing TT/SRT-FD-SR-7-01 without exceed oil pit.



Tada Construction Co

CAD FILE: TT-SRT-FD-SR-7-01_R02 (AS-BUILT, 18-05-11).dx