



BATANGAS I ELECTRIC COOPERATIVE, INC.
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SUPPLEMENTAL BID BULLETIN

SUPPLY OF LABOR AND MATERIALS FOR THE 69KV & 15KV METERING, PROTECTION AND CIVIL WORKS AT CALATAGAN SUB-STATION

Please find hereunder the following modifications in our Term of Reference in the scheduled bidding for the Supply of Labor and Materials for the 69KV & 15KV Metering, Protection and Civil Works at Calatagan Sub-station on June 29, 2021; 1:30 PM to wit;

REFERENCE	DESCRIPTION	FROM	TO
Section VI.	Schedule of Requirements	Complete delivery within one hundred twenty (120) calendar days upon receipt of the Approved Purchase Order.	Complete delivery within one hundred fifty (150) calendar days upon receipt of the Approved Purchase Order.
Technical Specifications	69kV Extended Range Current Transformer		Class : 0.15,0.2 Burden
	69 kV Potential Transformers	Class: 0.3 W, X, M, Y Accuracy range:80% to 120%	Class : 0.15 W,X,M Accuracy Range :90% to 110%
	Scope of Works for Calatagan 10/12.5mva Substation	69/15kV Protection Equipment: <ul style="list-style-type: none"> • Supply of 1 unit 69kV SF6 Live Tank Power Circuit Breaker • Supply of 1 set 69kV Double Side Break, Motorized Disconnect Switch • Supply of 3 units 69kV Protection Current Transformers • Supply of 3 units 69kV Extended Range Current Transformers for Metering • Supply of 3 units 69kV Potential Transformers for Metering • Supply of 6 units 69kV Surge Arresters • Supply of 69kV Post Insulator • Supply of 1 unit SF6 Gas Insulated, 630A, 20kA Switchgear for Main Breaker • Supply of 4 units SF6 Gas Insulated, 630A, 20kA Switchgear for 4 Feeders • Supply of 1 unit Metering Cubicle with the following accessories 	

		<ul style="list-style-type: none"> ○ 3 units 15kV Indoor Type Current Transformer with 1 Metering and 2 Protection Core ○ 3 units 15kV Indoor Type Voltage Transformer • Supply of 1 unit Fused Cubicle for Auxiliary Transformer • Supply of Ring Type CT's for Metering and Protection for Feeders • Supply of Control & Protection Panel with the following Relays, Meters and accessories: <ul style="list-style-type: none"> ○ 1 unit Transformer Differential Relay ○ 1 unit Three phase Over current Relay for 69kV PCB ○ 5 units Three phase Over current Relays for 15kV Main and 4 Feeders ○ 1 unit Voltage Relay ○ 5 units Three phase Electronic Meters • Supply of 1 set 125Vdc Battery and Charger • Supply of 15 pcs 12kV Surge Arresters • Supply of 1 lot Elbow Connector for Switchgears • Supply of 1 lot 15kV Outdoor Termination Kit • Supply of 15kV XLPE Power Cable and Control Cables • Supply of Line Hardware's and Grounding Materials • Supply of 69kV Gantry and Steel Structures • Supply of Pole, Transformers and Accessories for Auxiliary Power Supply • Supply of Pole and Accessories for Secondary Take off • Installation, Testing and Commissioning • Training on how to operate the equipment <p>Civil Works</p> <ul style="list-style-type: none"> • Construction of Switchgear Room • Construction of Foundations for Receiving, Transformer and other Equipments <ul style="list-style-type: none"> Transformer Foundation Pad <ul style="list-style-type: none"> ○ Dimension: 2,072 cm x 3,690 cm ○ Weight: 22,430 kg. • Construction of Cable Trench • Construction of Secondary Take off Pedestal
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For your information and guidance.


ENGR. MARLON H. MANALO
 TWG Chairman


ENGR. NILO G. BAYLOSIS
 BAC Chairman