

PURCHASE REQUEST					
METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER					
DIVISION : FAD		PR NO. 21080772		DATE : 10 August 2021	
SECTION/PROJECT : AGSS		SAI NO.			
STOCK No.	UNIT	ITEM DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
	Lot	Supply of labor and Material for the vertical extension of perimeter fence along Canteen to EPDC Area" See attached TOR, BOQ & Plans	1	853642.93	853,642.93



Classification : Land Improvements Outlay
Remarks : Charge to the project entitled "Repair of Perimeter Fence of the Center 2021"
Purpose : as stated in purchase request

Page 1 of 1 Page/s

21080772

Signature	Requested by: AUREA T. MOTAS Chief, FAD	Approved by: ROBERT O. DIZON Executive Director
Printed Name		
Designation		

SUPPLY OF LABOR AND MATERIAL FOR THE VERTICAL EXTENSION OF PERIMETER FENCE ALONG CANTEEN TO EPDC AREA

Scope of Work :

A. Site preparation:

1. Conduct ocular site inspection of the existing perimeter fence wall along Canteen to EPDC Building with an estimated length of 135.0 meters. (See attached lay-out)
2. The contractor shall dismantle the existing fence's barbed wire in preparation for the vertical extension of the said fence.
3. The dismantled barbed wire shall be disposed by the contractor in coordination with the GMU's project team.

B. Construction:

1. The supply of materials and construction of a vertical extension for the perimeter fence shall be done in accordance with specifications as reflected in the design lay-out and BOQ.
2. Fabricate and install steel fence extension using 2" diameter B.I. pipes, Sch. 40, 6 m commercial length for vertical columns and 1-1/2" diameter B.I. pipe Sch. 40, 6m commercial length for horizontal frames. Use galvanized welded wire mesh with 2" x 2", 6 mm wire diameter for the construction of the fence, 4' x 8'in size. The constructed fence shall be welded and connected to the existing perimeter fence (see plan details).
3. The proposed vertical fence extension shall all be leveled up at the top (see lay out plan).
4. Install razor barbed wire at the top of the completed vertical fence extension.
5. Completed vertical fence extension shall be painted with one coat rust-inhibitive primer and 2 coats of gray epoxy paint.
6. Supply and install 15 w flood lights in uniform intervals of 9 m along the entire length of the perimeter fence. Provide a 30 Amp ECB in a waterproof box enclosure using 3.5 mm sq. stranded electrical wire THWN in a 1/2" diameter Intermediate Metal Conduit (IMC) pipe with rigid Elbows, Couplings and Nipples

(ECN) for all electrical connections, tapped to the nearest existing power supply.

C. Others :

- a. Contractor shall submit barangay health certificate for all its workers before deployment and submit daily COVID-19 health checklist to monitor each personnel's health status.
- b. The contractor shall be liable for any damages incurred to MIRDC property during the implementation of the project.
- c. The Contractor shall provide safety harness and other personnel protective equipment (PPEs) to their workers.
- d. The approved budget for the contract (ABC) is ***Eight Hundred Fifty Three Thousand Six Hundred Forty Two and 93/100 centavo (Php. 853,642.93)***, inclusive of Government Taxes.
- e. Delivery period for the said work shall not exceed 60 calendar days.
- f. One (1) year warranty againsts all defects found after project completion.

Prepared by:


NESTOR Q. COLIBAO JR.
Engineer I, FAD-AGSS-GMU

Noted by:


AUREA T. MOTAS
Chief, FAD

Checked by:


ERIC C. CALANNO
Engineer III, FAD-AGSS-GMU

Approved by:


ROBERT O. DIZON
Executive Director

METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER
MIRDC COMPOUND, GEN. SANTOS AVE, BICUTAN TAGUIG CITY

SUPPLY OF LABOR AND MATERIAL FOR THE VERTICAL EXTENSION OF PERIMETER FENCE ALONG CANTEEN TO EPDC AREA

APPROVED BUDGET OF CONTRACT

Duration: 60 calendar days

Description	Quantity	Unit	Estimated Direct Cost	Mark-ups in		Total mark-up		VAT (5%)	Total Indirect cost	Total cost	Unit cost
				OCM	Profit	%	Value				
DIRECT WORKS											
GENERAL REQUIREMENTS											
Mobilization and demobilization	1.00	lot	7,400.00	15	10	25	1,850.00	462.50	2,312.50	9,712.50	9,712.50
As-built Plan	1.00	lot	9,000.00	15	10	25	2,250.00	562.50	2,812.50	11,812.50	11,812.50
SITE PREPARATION											
Survey, Lay-out, Stake-out and Clearing / Grading	1.00	lot	8,000.00	15	10	25	2,000.00	500.00	2,500.00	10,500.00	10,500.00
Dismantling and disposal of existing fence barbed wire (including dismantling of existing floodlights)	135.00	l.m.	26,392.50	15	10	25	6,598.13	1,649.53	8,247.66	34,640.16	256.59
SCAFFOLDINGS (RENTAL)											
Scaffoldings (rental of materials)	60.00	days	49,200.00	15	10	25	12,300.00	3,075.00	15,375.00	64,575.00	1,076.25
installation/dismantling	4.00	set ups	12,000.00	15	10	25	3,000.00	750.00	3,750.00	15,750.00	3,937.50
MISCELLANEOUS STRUCTURAL FINISHES											
Installation & Fabrication of steel fence with consumables											
Razor Barbed Wire	30.00	rolls	42,001.67	15	10	25	10,500.42	2,625.10	13,125.52	55,127.19	1,837.57
Ø2" B.I. Pipe Sch. 40 x 6M	1,436.16	kgs	106,620.52	15	10	25	26,655.13	6,663.78	33,318.91	139,939.43	97.44
Ø1-1/2" B.I. Pipe Sch. 40 x 6M	1,287.90	kgs	100,868.33	15	10	25	25,217.08	6,304.27	31,521.35	132,389.68	102.80
Wire Mesh (4' x 8' x 6mm , 2" x 2" dimension)	288.75	sq.m.	148,810.20	15	10	25	37,202.55	9,300.64	46,503.19	195,313.39	676.41
Painting Works), painted with one coat rust-inhibitive primer and 2 coats of gray epoxy paint.	1.00	lot	61,553.89	15	10	25	15,388.47	3,847.12	19,235.59	80,789.48	80,789.48
ELECTRICAL WORKS											
Flood Light (Outdoor Type), 2x15W LED	15.00	set/s	23,013.71	15	10	25	5,753.43	1,438.36	7,191.79	30,205.50	2,013.70
Elect. Wire 3.5mm sq. THWN	4.00	roll/s	15,656.00	15	10	25	3,914.00	978.50	4,892.50	20,548.50	5,137.13
1/2 inch IMC Pipe and connection accessories	60.00	length	38,377.80	15	10	25	9,594.45	2,398.61	11,993.06	50,370.86	839.51
ECB , 30 Amps	3.00	pcs	1,500.00	15	10	25	375.00	93.75	468.75	1,968.75	656.25

METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER
MIRDC COMPOUND, GEN. SANTOS AVE. BICUTAN TAGUIG CITY

SUPPLY OF LABOR AND MATERIAL FOR THE VERTICAL EXTENSION OF PERIMETER FENCE ALONG CANTEEN TO EPDC AREA

APPROVED BUDGET OF CONTRACT

Duration: 60 calendar days

Description	Quantity	Unit	Estimated Direct Cost	Mark-ups in		Total mark-up		VAT (5%)	Total Indirect cost	Total cost	Unit cost
				OCM	Profit	%	Value				
TOTAL COST											
853,642.93											

Note: Bill of quantities (BOQ) provided is an estimate, additional materials required to complete the project that are not indicated herein shall be borne by the contractor.

Prepared by:

NESTOR Q. COLIBAO JR.

Engineer I, FAD-AGSS-GMU

Checked by:

ERIC C. CALANNO

Engineer III, FAD-AGSS-GMU

Approved by:

ROBERT O. DIZON

Executive Director

CAYETANO BUILDING

BUILDING B

PUP GYMNASIUM

Vertical Fence Extension
135.0m

EL BUILDING
METALS INDUSTRY RESEARCH AND
DEVELOPMENT CENTER BUILDING
(MCTD)

GOLD BUILDING
ANALYSIS AND TESTING DIVISION BUILDING
(ATIB)

ATINUM BUILDING
METALS INDUSTRY RESEARCH AND
DEVELOPMENT CENTER BUILDING
(MCTD-1)

TITANIUM BUILDING
METALS INDUSTRY RESEARCH AND
DEVELOPMENT CENTER BUILDING
(MCTD-2)

COPPER BUILDING
HEAT TREATMENT SHOP
(TFT)

1 SITE DEVELOPMENT PLAN

SCALE: NTS

2 PERSPECTIVE

SCALE: NTS

3 ELEVATION PLAN

SCALE: NTS



METALS INDUSTRY
RESEARCH AND
DEVELOPMENT CENTER

PROJECT TITLE:

SUPPLY OF LABOR AND MATERIALS FOR THE VERTICAL EXTENSION
OF PERIMETER FENCE ALONG CANTEN TO EPDC AREA

SHEET CONTENTS:

SITE DEVELOPMENT PLAN
PERSPECTIVE
ELEVATION PLAN

CHECKED BY:

PREPARED BY:
NESTOR O. CALABAO JR.
ENGINEER IN CHARGE

NOTED BY:

AUREA T. MOTAS
CHIEF, PMO

APPROVED BY:

ROBERT O. OZON
EXECUTIVE DIRECTOR

REF. NO.

REVISION NO.

DRAWING NO.
A-1

SHEET NO.
1/5

