

PROJECT	: CONSTRUCTION OF SEED WAREHOUSE BUILDING WITH COLD STORAGE AND SITE DEVELOPMENT AT PHILRICE CES
SUBJECT	: BILL OF QUANTITIES
LOCATION	: PHILRICE -CES. MALIGAYA SCIENCE CITY OF MUÑOZ, NUEVA ECIIJA

## FEATURES

## WAREHOUSE

FLOOR AREA : 15.0m x 36.0m = 540.00 SQ.M. (Warehouse Area) inside the building (Cold Room/Storage: 180 Sq.M.) (Acclimitization Room: 90.0 Sq.M.)

FLOOR FINISH : Plain Cement Finish with Elastomeric/Rubberized Floor Painted

WALL FINISH : Plain Cement Finish, Semi- Gloss Painted Finish

DOORS AND WINDOWS : Hallow Core Steel Door, Ga. 16 G.I. Sheet on Metal Jamb with 1/2 " thick View Window Fixed Clear Glass, & Lever Type Stainless Steel Lockset, Spray Paint Finish, or Ready Made by "Filshutters"

: G.A. 18 Aluminum G.I. Roll - Up Door, Motor operated with Chain Override

: Fixed Window on Anodized Aluminum Frame w/ 6mm thk Clear Glass

ROOFING : 0.60mm Rib Type with 1" thk Poly Urethane Insulation(PUR) and Aluminum Kraft for bottom Skin, Rib Type Prepainted Long Span Roofing ("I" Steel Brand or Approved Equal)with Aluminum Fine Screen on

: Steel Trusses, Spandrel Ceiling on Eaves, Roof Ventilator 24" Inlet Diam.

Provision of Catwalk Framing and Metal/Steelworks (Maintenance)

ELECTRICAL : Brand New Lightings (LED Bulbs and LED Flood Lights), Power Lines (Convenience Outlet and Special Outlet),

Industrial Exhaust fan, Size 30" fan dia. B.I. materials & powder coated oven baked finish, complete with statically and dynamically balanced die formed propeller fan, cast iron pulleys, shafting bearings, v-

: belts, square frame panels, housing (36"36" square) automatic shutter with GI material frame housing with aluminum blades (ga. #18, 1.2mm thick) belt, driven by 2HP, 3Phase, Mitsubishi Brand 220/440Volts, 60hz, TEFC electric motor.

: CCTV Camera, Hard drive, Network Video Recorder etc. with Complete Accessories

: Cold Room/Storage:

5Hp Floor Mounted, Premium Inverter, (installation, bracket for condenser, wirings to panelboard & outside breaker and copper tube included), 3phase, 220Volts, 70AT breaker in NEMA 3R enclosure, three phase MCCB bolt on type

2.5hp Split type, high wall, Premium Inverter, (installation, bracket for condenser, wirings to panelboard & outside breaker and copper tube included), Single Phase, 220Volts, 40AT breaker in NEMA 3R enclosure, single phase, MCCB bolt on type

Biometrics, ZKTECO IFACE702 Biometric with Door Access Control w/ SN:AC27182460094, w/ 2, 000 User Capacity, 100, 000 Transaction Storage, 2000 ID Card Capacity, TCP/IP, USB, and RS232 Connectivity,

3" Color Touch Screen Display, Backup Battery and Power Supply Control, Access Control Interface for: 3rd party electric lock, door sensor, exit button, alarm, door bell, with 25 pcs Proximity RFID Card

Dehumidifier for the system: dehumidifier with swing function, high/low fan speed, full water tank indicator, 30-liter water dehumidification

New Digital temperature and Relative humidity control and monitoring System, Combined with new 9-(nine) sets of temperature and relative humidity sensors.

with Finned Pack Heat Exchanger, Casing, Ducting and Fans

Wall Finished: 75mm thk Poly Urethane Insulation(PUR) Panel, Floor Finish: 4" thk HDPE Foam Sub Layer With Rubberized Paint,

Ceiling Finish: 50mm thk Poly Urethane Insulation(PUR) Panel/Ficem Board with Metal Framing, Sliding Door ; 75mm thk Poly Urethane Insulation(PUR) Panel,

OTHERS : (FDAS) Fire Alarm and Emergency System and Fire Suppression System : Fire Alarm System (3 - Zones) Control Panel, Fire Alarm Bell w/ Manual Call Point, Smoke Detector with Wiring Systems

Panels with ATS from Genset to Main Panel Board (MDP) ;

Fire Extinguisher , 20lbs, Automatic LED Emergency Lights, Firehose Cabinets with Complete Accessories, Double Back Up Exit Light with LED Emergency Light Temporary Facilities

Plastic Curtain ( 3mm thk. x 3.50m x 3.00m)(strip type 0.20m wide)

Any Treatment/ Pest Control, Temporary Facilities, Permits, Testing , PPE'S and Other Fees, Tapping of Electrical System from nearest service line with complete accessories, Electrical and Water Consumption

**SITE** : Road Preparation /Networking(Embankment ,Road Grading , Compaction including Equipment)

*Embankment for Warehouse location and Existing Drainage Area (Volume= 598.0 cu.m.) with Compaction Portland Cement Concrete Pavement (PCCP) 8" thick x 55m(L) x 6m (W)*

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	Double Back Up Exit Light with LED Emergency LightTemporary Facilities	1.00	L.S.									
	Cold Room/ Storage:											
	Wall Finished: 75mm thk Poly Urethane Insulation(PUR) Panel, Floor Finish: 4" thk HDPE Foam Sub Layer With Rubberized Paint,	1.00	L.S.									
	Ceiling Finish: 50mm thk Poly Urethane Insulation(PUR) Panel/Ficem Board with Metal Framing, Sliding Door ; 75mm thk Poly Urethane Insulation(PUR) Panel,	1.00	L.S.									
	Other Works											
	Plastic Curtain ( 3mm thk. x 3.50m x 3.00m)(strip type 0.20m wide)	1.00	L.S.									
	Anay Treatment/ Pest Control	1.00	L.S.									
	Temporary Facilities	1.00	L.S.									
	Permits, Testing , PPE'S and Other Fees	1.00	L.S.									
	Tapping of Electrical System from nearest service line with complete accessories	1.00	L.S.									
	Electrical Consumption	1.00	L.S.									
	Water Consumption	1.00	L.S.									
Total - XI			Php									
XII.	SITE DEVELOPMENT											
	A. Siteworks											
	1. Scripping of Existing Portion of Embankment	1.00	L.S.									
	2. Embankment	598.00	cu.m.									
	B. Portland Cement Concrete Pavement (PCCP) 8" thick x 55m x 6m	66.00	cu.m.									
Total - XII			Php									
TOTAL SUMMARY OF COST												
				MATERIAL COST	LABOR + EQUIPMENT COST	ESTIMATED DIRECT COST	OCM	PROFIT	VAT (5%)	TOTAL INDIRECT COST	TOTAL	UNIT COST
Direct Cost												
Material Cost +			PhP									
Labor Cost + Equipment Rental Cost			PhP									
Total Direct Cost			PhP									
Indirect Cost												
OCM			PhP									
PROFIT			PhP									
TAX		5%	PhP									
Total Indirect Cost			PhP									
GRAND TOTAL PROJECT COST				PhP								