

CONTRACT AGREEMENT

FOR THE

"PROCUREMENT OF FACILITY AND EQUIPMENT FOR INTEGRATED VEGETABLE PRODUCTION AND PROTECTION FOR SUSTAINABLE AGRICULTURE FOR CAFF AT NORSU PAMPLONA CAMPUS (TWO FAILED BIDDINGS- NEGOTIATED)" FOR LOT 1 ONLY

This Contact Agreement ("Agreement") is made and entered into this 7th day of July 2021 by and between:

NEGROS ORIENTAL STATE UNIVERSITY, a State University, organized and existing under and by virtue of the laws of the Republic of the Philippines, with principal office address at Kagawasan Ave., Main Campus, Dumaguete City, Negros Oriental, Philippines, represented in this Agreement by its President, **DR. JOEL P. LIMSON**, hereinafter referred to as "**NORSU**".

-and-

TURBU KONSTRAK INC., corporation, existing and duly organized under the laws of the Republic of the Philippines, with place of business at 5/F Richville Corporate Tower Madrigal Business Park Alabang-Zapote Road, Alabang, Muntinlupa City, Metro Manila, represented in this Agreement by **LIEZL P. PARDILLA** by virtue of a Secretary's Certificate dated 14 December 2020, which was signed and executed by its Corporate Secretary, **ROSALIE I. SIOJO**, hereinafter referred to as "**SUPPLIER**".

WITNESSETH, THAT:

WHEREAS, a public bidding was conducted on 16 December 2020 at the Bids and Awards Committee (BAC) Office of Negros Oriental State University, Kagawasan Avenue, Dumaguete City for the project "**Procurement of Facility and Equipment for Integrated Vegetable Production and Protection for Sustainable Agriculture for CAFF at NORSU Pamplona Campus (Two Failed Biddings- Negotiated)**";

WHEREAS, the NORSU BAC recommended to the University President that the project shall be awarded to **Turbu Konstrak Inc.**, its offer being the most advantageous to the Philippine Government;

WHEREAS, time is the essence of this contract;

NOW, THEREFORE, for and in consideration of the foregoing premises and other covenants hereinafter named, the parties agree as follows:

ARTICLE I. CONTRACT DOCUMENTS

The following documents shall be attached, deemed to form, and be read and construed as integral part of this Agreement, to wit:

- (a) The Schedule of Requirements;
- (b) The Technical Specifications;

- (c) General and Special Conditions of Contract
- (d) Supplemental or Bid Bulletins, if any
- (e) Winning Bidder's bid, including Eligibility requirements, Technical and Financial proposals, and all other documents or statements submitted;
- (f) Performance Security;
- (g) Notice of Award of Contract; and the Bidder's conforme thereto;
- (h) Other contract documents that may be required by existing laws and/or the Entity concerned on the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB or are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**

ARTICLE II - SCHEDULE OF REQUIREMENTS

The inclusions in the delivery of the items in this contract are as follows:

1. Green house - top vent design hydroponics system for lettuce (1 unit)

- dimension: 16.8 m x 12 m; greenhouse area: 201.6 square meter; post spacing: 6.4 m x 3 m
- post height: 4.00 m from the ground; post specification: hot dipped galvanized 2" dia.
- post foundation: concrete 22 cm x 22 cm x 100 cm; arc height (apex): 6.10 m from the ground
- arc specification: hot dipped galvanized 1 1/4" dia; purlins: hot dipped galvanized 3/4" dia
- gutters: hot dipped galvanized gutter 1.8 mm thick; balcony: hot dipped galvanized 1 1/4" dia.
- roofing: 200 micron UVA clear; plastic locking system: aluminum profile with coated spring at 3 long
- plastic curtain: roll up and roll down curatin at all sides; insect net: all around 24 mesh
- tables/beds: deep flow and NFT system; irrigation system: computerized with EC and PH adjustment monitor
- cooling/aeration system: pad and fans system; mixing tank: 1 lot; nutrient stock solution: 1 lot for 3 months
- fabrication and installation: 1 lot

2. Green house - top vent soil less system for trellised crop (1 unit)

- dimension: 16.8 m x 15 m; greenhouse area: 252 square meters; post spacing: 6.4 m x 3 m
- post height: 4.00 m from the ground; post specification: hot dipped galvanized 2" dia.
- post foundation: concrete 22 cm x 22 cm x 100 cm; arc height (apex): 6.10 m from the ground
- arc specification: hot dipped galvanized 1 1/4" dia; purlins: hot dipped galvanized 3/4" dia
- gutters: hot dipped galvanized 1.8 mm thick; balcony: hot dipped galvanized 1 1/4" dia
- roofing: 200 micron UVA clear; plastic locking system: aluminum profile with coated spring at 3 long
- plastic curtain: roll up and roll down curtain at all sides; trellised system: 1 lot
- insect net: all around at 32 mesh; irrigation system: computerized with EC and PH adjustment monitor
- ground cover: wooven black plastic; growing media: coco peat/coco chips in growing containers
- fabrication and installation: 1 lot

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LYEZL P. PARDILLA
Sales/Authorized Representative

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3. Green house - top vent soil system for flowers (chrysanthemum) (1 unit)

- dimension: 16.8 m x 12 m; greenhouse area: 201.6 square meters; post spacing: 6.4 m x 3 m
- post height: 4.00 m from the ground; post specification: hot dipped galvanized 2" dia
- post foundation: concrete 22 cm x 22 cm x 100 cm; arc height (apex): 6.10 m from the ground
- arc specification: hot dipped galvanized 1 1/4" dia; purlins: hot dipped galvanized 3/4" dia
- gutters: hot dipped galvanized gutter 1.8 mm thick; balcony: hot dipped galvanized 1 1/4" dia
- roofing: 200 micron UVA clear; plastic locking system: aluminum profile with coated spring at 3 long
- plastic curtain: roll up and roll down curtain at all sides; trellised system: 1 lot; insect net: bird nets
- fertigation/irrigation system: drip irrigation and misting system; lighting system: LED lights with automatic timer
- blackening system: black plastic, 150 micron with arches and plant support; fabrication and installation: 1 lot

Terms and Conditions:

- It must be categorized as civil works.
- All materials are hot dipped galvanized.
- Must provide mother plants for flowers (imported).
- The supplier must have known how on high value crop production and do the technology transfer.
- The supplier must train workers on high value crops production on its training facility.
- Four months assistance on operation with an agronomists and maintenance personnel on site.

Supplier's Offer:

- **Please see Annex "A"**

ARTICLE III - DELIVERY, INSPECTION AND TESTING

The work to be performed by the SUPPLIER under this contract shall commence after seven (7) calendar days upon receipt and acceptance of the Notice to Proceed from NORSU by the SUPPLIER. The delivery and installation of the project **"Procurement of Facility and Equipment for Integrated Vegetable Production and Protection for Sustainable Agriculture for CAFF at NORSU Pamplona Campus (Two Failed Biddings- Negotiated)"** shall be completed within **Sixty (60) calendar days** upon receipt of Notice to Proceed. All hardware components must be 100% functional and in good operating condition.

Intensive testing should be done by the SUPPLIER together with the authorized representatives (including the end-user) of the NORSU to achieve functionality and benefits of the equipment. The SUPPLIER must provide an actual result of the testing of the hardware validated by the end-user.

Billing will start only when all systems have been thoroughly tested, installed, running satisfactorily, and accepted by the user.

ARTICLE IV - WARRANTY

The warranty period for the contract shall be **One (1) year on parts and services for free within the warranty period in an effective and timely**

manner from the receipt of Certificate of Final Acceptance by the end-user. The SUPPLIER must give **Four (4) months assistance on operation with agronomists and maintenance personnel on site.** The SUPPLIER hereby warrants compliance with the requirements stipulated under this contract including the hardware equipment supplied.

ARTICLE V - MAINTENANCE/TECHNICAL SUPPORT

During the warranty period, the SUPPLIER shall provide at least One (1) Certified Specialist in his/her employ to service the said equipment on site, in case of malfunctioning or any other related problem wholly or partly attributable to the operating condition of said equipment.

On call support shall be available 24 hours a day, 7 days a week. A one (1) hour response from time of the call (through telephone/mobile call) shall be provided by the winning bidder for trouble shooting.

Onsite support must have a response time of not more than eight (8) hours from the time of the call-in cases of on call/phone support could not solve the problem.

On hardware repair, testing shall be done on-site to know the extent of the problem. Travel and other incidental expenses of responding specialist shall be borne by the SUPPLIER. During warranty period, all parts beyond repair shall be Intensive testing should be done by the SUPPLIER together with the authorized representatives (including the end-user) of the NORSU to achieve functionality and benefits of the equipment. The SUPPLIER must provide an actual result of the testing of the hardware validated by the end-user.

ARTICLE VI - TECHNOLOGY TRANSFER

The SUPPLIER must have known how on high value crop production and do the technology transfer. The SUPPLIER must provide technology transfer/in-depth technical training to Authorized Person/End user staff/workers on high value crops production on its training facility, free of charge. Training shall commence before issuance of Certificate of Acceptance by NORSU.

ARTICLE VII - THE CONTRACT SUM

The NORSU for and in consideration of the faithful and satisfactory fulfillment of the contract by the SUPPLIER in accordance with the terms and conditions of all contract documents and subject to the deduction herein provided, shall pay to the SUPPLIER in Philippine Currency the sum of **TWO MILLION SIX HUNDRED SIXTY THOUSAND SIX HUNDRED PESOS ONLY (PHP 2,660,600.00).**

ARTICLE VIII - PERFORMANCE SECURITY

In accordance with the Instruction to Bidders and General Conditions of the contract, the SUPPLIER shall furnish and file per acceptance to the NORSU a Performance Security in accordance with Section 39 of the Revised Implementing Rules and Regulations of RA 9184 to guaranty the full and faithful performance of this Agreement to answer for any liability that maybe suffered by the NORSU resulting from the violation of the SUPPLIER of labor

laws and other laws. PROVIDED, that in the event of the recession or termination of this contract for breach thereof, the Performance Security, at the option of the NORSU shall be automatically forfeited in favor of the NORSU and becomes immediately payable and collectible by the NORSU, otherwise, the Performance Security shall remain and continue in full force until the aforementioned obligations as to the completion and faithful compliance of the contract, liquidated damages and cost of labor and materials shall have been duly satisfied, discharged, settled and paid by the SUPPLIER.

The Performance Security shall be denominated on Philippine Pesos and posted in favor of the NORSU in an amount equal to the following schedule:

Form of Performance Security	Amount of Performance Security (Equal to Percentage of the Total Contract Price)
a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank. For biddings conducted by LGUs, the cashier's/manager's check may be issued by other banks certified by the BSP as authorized to issue such financial instrument.	Five percent (5%)
b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, That it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank. For biddings conducted by LGUs, bank draft/guarantee, or irrevocable letter of credit may be issued by other banks certified by the BSP as authorized to issue such financial instrument. (a)	
c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	Five percent (30%)

ARTICLE IX – LIQUIDATED DAMAGES

Should the SUPPLIER refuse to satisfactorily comply with its undertakings, and is hereby in default under this contract, the SUPPLIER shall be liable for damages for the delay and shall pay the NORSU for liquidated damages and not by way of penalty, an amount equivalent to one-tenth (1/10) of one percent (1%) of the cost of unperformed portion thereof, for every day of delay until the same is finally performed/completed and accepted by the NORSU.

It is understood that the damages herein provided are fixed and agreed liquidated damages and to be entitled to such damages, the NORSU need not prove that it has incurred actual damages Such amount shall be deducted from any money due or which may become due to SUPPLIER under the

contract and/or collect such liquidated damages from the performance security posted by the SUPPLIER, whichever is convenient to the NORSU.

In no case, however, shall the total sum of liquidated damages exceed ten percent (10%) of the total contract price, in which event the contract shall automatically be terminated by the NORSU and the erring SUPPLIER'S performance security shall be forfeited. The amount of the forfeited performance security shall be set aside from the amount of the liquidated damages that the SUPPLIER shall pay NORSU under this section and the other appropriate sanctions that may be imposed to the former.

ARTICLE X – SUPPLIER’S LIABILITY

The SUPPLIER shall assume full responsibility, agrees and binds itself to indemnify NORSU for any loss, damage, destruction and/or injury that may be incurred the during period of delivery until the period of acceptance for acts attributed to negligence, fault, misconduct or unlawful acts of the SUPPLIER and its personnel.

ARTICLE XI – CANCELLATION/TERMINATION OF CONTRACT

NORSU has the right to terminate or cancel the contract without need of judicial action at any time on reasonable grounds, such as, but not limited to: unsatisfactory service and performance or violation of the terms and conditions of this contract, by giving the SUPPLIER at least fifteen (15) calendar days of written notice in advance to that effect, which Notice shall be final and binding on all parties.

Within thirty (30) days after the termination, cancellation, or rescission of this contract, the parties shall settle their respective accountabilities as of the date of termination, cancellation, or rescission.

ARTICLE XII – VENUE OF COURT ACTION

Should any court action be instituted by NORSU or SUPPLIER arising from this contract, the parties hereby agree that the venue thereof shall be the proper court in the province of Negros Oriental.

IN WITNESS WHEREOF, the parties have hereunto set their hands this ____ day of _____ at NORSU Main Campus I, Kagawasan Avenue, Dumaguete City, Philippines.

NEGROS ORIENTAL STATE UNIVERSITY

By:


JOEL P. LIMSON, Ph.D.

University President


DARLYN B. POSAS, PH.D.

Dean, CAFF Pamplona
End-User

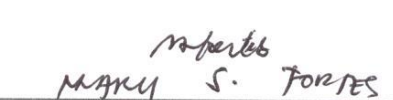
TURBU KONSTRAK INC.

By:


LIEZL P. PARDILLA

Authorized Representative

Signed in the Presence of:


MARY S. TORRES
Turbu Konstrak Inc. Witness

ACKNOWLEDGMENT

Republic of the Philippines}
City of Dumaguete} S.S

BEFORE ME, a Notary Public, for and in the City of Dumaguete, Philippines, this ___ day of AUG 25 2021, personally appeared the parties with their competent evidence of identity which bears their pictures and signatures, to wit:

Table with 3 columns: Name, Identification Card/No., Valid Until. Rows include LIEZL R. PARDILLA and JOEL P. LIMSON, Ph. D.

Known to me to be the same person who executed the foregoing instrument and acknowledged to me that the same is his free act and voluntary deed and that of the institution being represented.

The foregoing instrument refers to a Contract Agreement consisting of twenty-seven (27) pages, including the page in which this Acknowledgement is written, signed by the Parties, including their instrumental witnesses on each and every page thereof and sealed with my notarial seal.

WITNESS MY HAND AND SEAL, on the date and place above written.

Doc. No. 64;
Page No. 14;
Book No. 11;
Series of 2021.

ATTY. LESLIE JOYL. CUEVAS
NOTARY PUBLIC
For: Dumaguete City, Sibulan, Bacong, Valencia,
Dauin, Zamboanguita, all of Negros Oriental
Commission No. 2020-011 until 12/31/21
Roll of Attorneys No. 66301,
IBP Lifetime Member No. 015138
PTR-2726290A, 1/5/21, Dumaguete City
Room 404, Portal West Building, Cor. Hibbard &
Silliman Avenue, Dumaguete City

Liezl P. PARDILLA
Sales/Authorized Representative

Annex "A"

DETAILED COST ESTIMATE

ITEM: I.a QTY: 201.6 sq.m.
GREENHOUSE - TOP VENT DESIGN HYDROPONICS SYSTEM FOR LETTUCE
Site Clearing and Lay-out Works

A. Materials						
DESCRIPTION			QTY	UNIT	UNIT COST	AMOUNT
Batterboard and Layout Materials			1	lot	3,000.00	3,000.00
Materials						3,000.00
B. EQUIPMENT						
DESCRIPTION			No. of Equipment	No. of days	Rental Rate per Day	Amount
None						
Equipment						-
C. LABOR						
DESCRIPTION			No. of Personnel	No. of days	Man-day	Rate per Day
Foreman			1	1	1	715.00
Skilled Laborer			2	1	2	510.00
Unskilled Laborer			4	1	4	395.00
Labor						3,315.00

MATERIAL COST	3,000.00
EQUIPMENT COST	-
LABOR COST	3,315.00
=====	
DIRECT COST (A+B+C)	6,315.00
OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7%	442.05
CONTRACTOR'S PROFIT 8%	505.20
VAT 12%	871.47
=====	
TOTAL ITEM COST	8,133.72
UNIT COST	40.35
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LIEZL P. PARDILLA
Sales/Authorized Representative

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ITEM: I.b QTY: 8.5 cu.m.
GREENHOUSE - TOP VENT DESIGN HYDROPONICS SYSTEM FOR LETTUCE
Excavation and Backfilling

A. Materials

DESCRIPTION	QTY	UNIT	UNIT COST	AMOUNT
None				

Materials -

B. EQUIPMENT

DESCRIPTION	No. of Equipment	No. of days	Rental Rate per Day	Amount
None				

Equipment -

C. LABOR

DESCRIPTION	No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman	1	1	1	715.00	715.00
Skilled Laborer	2	1	2	510.00	1,020.00
Unskilled Laborer	5	1	5	395.00	1,975.00

Labor 3,710.00

MATERIAL COST -
EQUIPMENT COST -
LABOR COST 3,710.00

DIRECT COST (A+B+C) 3,710.00

OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7% 259.70
CONTRACTOR'S PROFIT 8% 296.80
VAT 12% 511.98

TOTAL ITEM COST 4,778.48
UNIT COST 562.17

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LIZEL P. PARDILLA
Sales/Authorized Representative

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ITEM: I.c QTY: 1.32 cu.m.
GREENHOUSE - TOP VENT DESIGN HYDROPONICS SYSTEM FOR LETTUCE
Reinforced Concrete

A. Materials

DESCRIPTION				QTY	UNIT	UNIT COST	AMOUNT
40kg Cement				13	bags	270.00	3,510.00
Fine Aggregates (washed and Screen)				1	cu.m.	790.00	790.00
Coarse Aggregates				2	cu.m.	840.00	1,680.00
Materials							5,980.00

B. EQUIPMENT

DESCRIPTION				No. of Equipment	No. of days	Rental Rate per Day	Amount
Bagger Concrete Mixer				1	1	600.00	600.00
Equipment							600.00

C. LABOR

DESCRIPTION				No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman				1	2	2	715.00	1,430.00
Skilled Laborer				2	2	4	510.00	2,040.00
Unskilled Laborer				4	2	8	395.00	3,160.00
Labor								6,630.00

MATERIAL COST	5,980.00
EQUIPMENT COST	600.00
LABOR COST	6,630.00
=====	
DIRECT COST (A+B+C)	13,210.00
OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7%	924.70
CONTRACTOR'S PROFIT 8%	1,056.80
VAT 12%	1,822.98
=====	
TOTAL ITEM COST	17,014.48
UNIT COST	12,889.76

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LYZIL P. PANDILLA
Sales/Authorized Representative

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[Signature]

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ITEM: I.d QTY: 5.28 sq.m.
GREENHOUSE - TOP VENT DESIGN HYDROPONICS SYSTEM FOR LETTUCE
Formworks

A. Materials

DESCRIPTION	QTY	UNIT	UNIT COST	AMOUNT
1/2" x 4' x 8' Ordinary plywood	2	pcs	819.00	1,638.00
2" x 2" x 12' Coco Lumber	4	pcs	140.00	560.00
Assorted Nails	2	kgs	66.00	132.00
Nylon # 70	1	kgs	120.00	120.00
# 16 Tie Wire	2	kgs	71.00	142.00

Materials 2,592.00

B. EQUIPMENT

DESCRIPTION	No. of Equipment	No. of days	Rental Rate per Day	Amount
None				-

Equipment -

C. LABOR

DESCRIPTION	No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman	1	1	1	715.00	715.00
Skilled Laborer	2	1	2	510.00	1,020.00
Unskilled Laborer	2	1	2	395.00	790.00

Labor 2,525.00

MATERIAL COST 2,592.00

EQUIPMENT COST -

LABOR COST 2,525.00

DIRECT COST (A+B+C) 5,117.00

OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7% 358.19

CONTRACTOR'S PROFIT 8% 409.36

VAT 12% 706.15

TOTAL ITEM COST 6,590.70

UNIT COST 1,248.24

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ITEM: I.e QTY: 201.6 sq.m.
GREENHOUSE - TOP VENT DESIGN HYDROPONICS SYSTEM FOR LETTUCE
Steel Works

A. Materials

DESCRIPTION			QTY	UNIT	UNIT COST	AMOUNT
BI Pipe 2" sch 20 x 6.0m			10	pcs	1,132.00	11,320.00
BI Pipe 1 1/2" s20 x 6.0m			16	pcs	840.00	13,440.00
BI Pipe 1 1/4" sch 20 x 6.0m			20	pcs	719.00	14,380.00
BI Pipe 1" sch 20 x 6.0m			2	pcs	526.00	1,052.00
BI Pipe 1/2" sch 20 x 6.0m			1	pcs	280.00	280.00
BI Pipe 3/4" sch 20 x 6.0m			20	pcs	355.00	7,100.00
Center Connector			5	pcs	250.00	1,250.00
Arc Connector			30	pcs	200.00	6,000.00
Gutter 3m			12	pcs	1,900.00	22,800.00
Gutter Accessories			1	lot	2,000.00	2,000.00
Assorted Clamps			1	lot	4,000.00	4,000.00
Vulcaseal			3	lts.	600.00	1,800.00
PVC Pipe Orange 4" x 3m			6	pcs	950.00	5,700.00
PVC Elbow 4"			3	pcs	350.00	1,050.00
Tubular 1" x 1" x 6m			10	pcs	290.00	2,900.00
Tubular 1" x 2" x 6m			5	pcs	440.00	2,200.00
Angle Bar			6	pcs	50.00	300.00
Stainless Cable 5mm			54	m	50.00	2,700.00
Spring Clip 1 1/4 x 1"			12	pcs	40.00	480.00
Cross Joint			4	sets	250.00	1,000.00
Pipe Clip 3/4"			60	pcs	10.00	600.00
Turn Buckle 10mm			3	pcs	75.00	225.00
GI Wire #10			10	kgs	80.00	800.00
GI Wire #8			8	kgs	100.00	800.00
Welding rod			20	kgs	120.00	2,400.00
Galvanization			1	lot	43,000.00	43,000.00

Materials 149,577.00

B. EQUIPMENT

DESCRIPTION			No. of Equipment	No. of days	Rental Rate per Day	Amount
Welding Machine			2	4	600.00	4,800.00

Equipment 4,800.00

C. LABOR

DESCRIPTION			No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman			1	14	14	715.00	10,010.00
Skilled Laborer			4	14	56	510.00	28,560.00
Unskilled Laborer			6	14	84	395.00	33,180.00

Labor 71,750.00

MATERIAL COST 149,577.00
EQUIPMENT COST 4,800.00
LABOR COST 71,750.00

DIRECT COST (A+B+C) 226,127.00

OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7% 15,828.89
CONTRACTOR'S PROFIT 8% 18,090.16
VAT 12% 31,205.53

TOTAL ITEM COST 291,251.58
UNIT COST 1,444.70

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LIEZL P. PARDILLA
Sales/Authorized Representative

reporter

ITEM: I.f QTY: 201.6 sq.m.
GREENHOUSE - TOP VENT DESIGN HYDROPONICS SYSTEM FOR LETTUCE
Roofing, Siding, and Retractable Shading

A. Materials

DESCRIPTION	QTY	UNIT	UNIT COST	AMOUNT
Roofing (PE plastic, 200 micron, 9m x 40m) Imported from Is	2	roll	28,800.00	57,600.00
Insect Mesh (mesh#32, 4m x 70m)	1	roll	16,800.00	16,800.00
Door (Sliding 1.2m) with accessories	2	pcs	7,000.00	14,000.00
GI Bolt and Nut(3/8" x 3")	100	pcs	13.00	1,300.00
GI Bolt and Nut(3/8" x 2 1/2")	50	pcs	12.00	600.00
GI Bolt and Nut(3/8" x 2")	20	pcs	10.00	200.00
GI Bolt and Nut(3/8" x 1 1/2")	150	pcs	9.00	1,350.00
GI Bolt and Nut(3/8" x 1")	50	pcs	8.00	400.00
GI Bolt and Nut(3/8" x 1/2")	20	pcs	7.00	140.00
Bolt and Nut 5/16" x 3/4"	60	pcs	4.00	240.00
U-bolt 3/8" x 2"	6	pcs	22.00	132.00
Eyebolt (3/8 x 4")	40	pcs	25.00	1,000.00
Eyebolt (3/8 x 2")	30	pcs	20.00	600.00
Trusshead bolt 1/4" x 1/2"	300	pcs	8.00	2,400.00
Heavy duty Flat washer 1/2"	20	pcs	6.00	120.00
Texscrew 1"	1000	pcs	2.50	2,500.00
Turn bucke (12mm)	3	pcs	95.00	285.00
Black strap (300m)	1	roll	1,500.00	1,500.00
Shade net 40% shade 3.6m x 50m	1	roll	11,050.00	11,050.00
Black Rope 7mm	1	roll	975.00	975.00
Net Clamp Screwing	30	pcs	25.00	750.00
Polyester Wire	900	m	15.00	13,500.00
Pillow Block 1 1/4"	3	pcs	350.00	1,050.00
Pillow Block 3/4"	2	pcs	233.00	466.00
Stainless Steel Screen Clip Small	130	pcs	14.00	1,820.00
Stainless Steel Screen Clip Big	70	pcs	16.00	1,120.00
V-Groove	10	pcs	280.00	2,800.00
Solid Shafting	3	pcs	125.00	375.00
PVC Pipe 1/2" x 3m	16	pcs	102.00	1,632.00
Shading Accessories	1	lot	3,000.00	3,000.00

Materials 139,705.00

B. EQUIPMENT

DESCRIPTION	No. of Equipment	No. of days	Rental Rate per Day	Amount
None				

Equipment -

C. LABOR

DESCRIPTION	No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman	1	5	5	715.00	3,575.00
Skilled Laborer	3	5	15	510.00	7,650.00
Unskilled Laborer	5	5	25	395.00	9,875.00

Labor 21,100.00

MATERIAL COST 139,705.00

EQUIPMENT COST -

LABOR COST 21,100.00

DIRECT COST (A+B+C) 160,805.00

OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7% 11,256.35

CONTRACTOR'S PROFIT 8% 12,864.40

VAT 12% 22,191.09

TOTAL ITEM COST 207,116.84

UNIT COST 1,027.37

ITEM: I.g QTY: 1 lot
GREENHOUSE - TOP VENT DESIGN HYDROPONICS SYSTEM FOR LETTUCE
Growing System

A. Materials

DESCRIPTION				QTY	UNIT	UNIT COST	AMOUNT
Wetpad System				1	lot	50,000.00	50,000.00
Exhaust Fan				1	lot	30,000.00	30,000.00
Weed Eliminator				2	roll	11,700.00	23,400.00
Hydroponics NFT Table				1	lot	60,000.00	60,000.00
Hydroponics DWC Table				1	lot	60,000.00	60,000.00
Hydroponics Cups				1700	pcs	6.00	10,200.00
Styrofoam 1"				10	pcs	700.00	7,000.00

Materials 240,600.00

B. EQUIPMENT

DESCRIPTION				No. of Equipment	No. of days	Rental Rate per Day	Amount
None							

Equipment -

C. LABOR

DESCRIPTION				No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman				1	10	10	715.00	7,150.00
Skilled Laborer				3	10	30	510.00	15,300.00
Unskilled Laborer				5	10	50	395.00	19,750.00

Labor 42,200.00

MATERIAL COST 240,600.00

EQUIPMENT COST -

LABOR COST 42,200.00

=====

DIRECT COST (A+B+C) 282,800.00

OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7% 19,796.00

CONTRACTOR'S PROFIT 8% 22,624.00

VAT 12% 39,026.40

=====

TOTAL ITEM COST 364,246.40

UNIT COST 364,246.40

Inaudible

Inaudible
LIEZL P. PARDILLA
Sales/Authorized Representative

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ITEM: II.a QTY: 302.4 sq.m.
GREENHOUSE - TOP VENT SOILLESS SYSTEM FOR TRELLISED CROP
Site Clearing and Lay-out Works

A. Materials

DESCRIPTION	QTY	UNIT	UNIT COST	AMOUNT
Batterboard and Other Layout Materials	1	lot	3,000.00	3,000.00
Materials				3,000.00

B. EQUIPMENT

DESCRIPTION	No. of Equipment	No. of days	Rental Rate per Day	Amount
None				
Equipment				-

C. LABOR

DESCRIPTION	No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman	1	1	1	715.00	715.00
Skilled Laborer	2	1	2	510.00	1,020.00
Unskilled Laborer	4	1	4	395.00	1,580.00
Labor					3,315.00

MATERIAL COST	3,000.00
EQUIPMENT COST	-
LABOR COST	3,315.00
=====	
DIRECT COST (A+B+C)	6,315.00
OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7%	442.05
CONTRACTOR'S PROFIT 8%	505.20
VAT 12%	871.47
=====	
TOTAL ITEM COST	8,133.72
UNIT COST	26.90

Francis

Francis
LIZEL P. PARDILLA
Sales/Authorized Representative

Reportes

Reportes

Reportes

ITEM: II.b QTY: 3 cu.m.
GREENHOUSE - TOP VENT SOILLESS SYSTEM FOR TRELLISED CROP
Excavation and Backfilling

A. Materials

DESCRIPTION	QTY	UNIT	UNIT COST	AMOUNT
None				

Materials -

B. EQUIPMENT

DESCRIPTION	No. of Equipment	No. of days	Rental Rate per Day	Amount
None				

Equipment -

C. LABOR

DESCRIPTION	No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman	1	1	1	715.00	715.00
Skilled Laborer	2	1	2	510.00	1,020.00
Unskilled Laborer	4	1	4	395.00	1,580.00

Labor 3,315.00

MATERIAL COST	-
EQUIPMENT COST	-
LABOR COST	3,315.00
=====	
DIRECT COST (A+B+C)	3,315.00
OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7%	232.05
CONTRACTOR'S PROFIT 8%	265.20
VAT 12%	457.47
=====	
TOTAL ITEM COST	4,269.72
UNIT COST	1,423.24

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LYZEL P. PARDILLA
Sales/Authorized Representative

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ITEM: II.c QTY: 1.92 cu.m.
GREENHOUSE - TOP VENT SOILLESS SYSTEM FOR TRELLISED CROP
Reinforced Concrete

A. Materials

DESCRIPTION	QTY	UNIT	UNIT COST	AMOUNT
40kg Cement	19	bags	270.00	5,130.00
Fine Aggregates (washed)	1	cu.m.	790.00	790.00
Coarse Aggregates	2	cu.m.	840.00	1,680.00
Materials				7,600.00

B. EQUIPMENT

DESCRIPTION	No. of Equipment	No. of days	Rental Rate per Day	Amount
Bagger Concrete Mixer	1	2	600.00	1,200.00
Equipment				1,200.00

C. LABOR

DESCRIPTION	No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman	1	2	2	715.00	1,430.00
Skilled Laborer	2	2	4	510.00	2,040.00
Unskilled Laborer	4	2	8	395.00	3,160.00
Labor					6,630.00

MATERIAL COST	7,600.00
EQUIPMENT COST	1,200.00
LABOR COST	6,630.00
=====	
DIRECT COST (A+B+C)	15,430.00
OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7%	1,080.10
CONTRACTOR'S PROFIT 8%	1,234.40
VAT 12%	2,129.34
=====	
TOTAL ITEM COST	19,873.84
UNIT COST	10,350.96

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LIEZL P. PARDILLA
Sales/Authorized Representative

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ITEM: II.d QTY: 5.28 sq.m.
GREENHOUSE - TOP VENT SOILLESS SYSTEM FOR TRELLISED CROP
Formworks

A. Materials

DESCRIPTION				QTY	UNIT	UNIT COST	AMOUNT
1/2" x 4' x 8' Ordinary plywood				2	pcs	819.00	1,638.00
2" x 2" x 12' Coco Lumber				4	pcs	140.00	560.00
Assorted Nails				2	kgs	66.00	132.00
Nylon # 70				1	kgs	120.00	120.00
# 16 Tie Wire				2	kgs	71.00	142.00

Materials 2,592.00

B. EQUIPMENT

DESCRIPTION				No. of Equipment	No. of days	Rental Rate per Day	Amount
None							

Equipment -

C. LABOR

DESCRIPTION				No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman				1	1	1	715.00	715.00
Skilled Laborer				2	1	2	510.00	1,020.00
Unskilled Laborer				2	1	2	395.00	790.00

Labor 2,525.00

MATERIAL COST 2,592.00
EQUIPMENT COST -
LABOR COST 2,525.00

DIRECT COST (A+B+C) 5,117.00

OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7% 358.19
CONTRACTOR'S PROFIT 8% 409.36
VAT 12% 706.15

TOTAL ITEM COST 6,590.70
UNIT COST 1,248.24

Legend
KEZEL P. PARDILLA
Sales/Authorized Representative

Legend

notes

ITEM: ll.e

QTY: 302.4 sq.m.

GREENHOUSE - TOP VENT SOILLESS SYSTEM FOR TRELLISED CROP
Steel Works

A. Materials

DESCRIPTION			QTY	UNIT	UNIT COST	AMOUNT
BI Pipe 2" sch 20 x 6.0m			14	pcs	1,132.00	15,848.00
BI Pipe 1 1/2" s20 x 6.0m			24	pcs	840.00	20,160.00
BI Pipe 1 1/4" sch 20 x 6.0m			32	pcs	719.00	23,008.00
BI Pipe 1" sch 20 x 6.0m			2	pcs	526.00	1,052.00
BI Pipe 1/2" sch 20 x 6.0m			1	pcs	280.00	280.00
BI Pipe 3/4" sch 20 x 6.0m			26	pcs	355.00	9,230.00
Center Connector			7	pcs	250.00	1,750.00
Arc Connector			42	pcs	200.00	8,400.00
Gutter 3m			18	pcs	1,900.00	34,200.00
Gutter Accessories			1	lot	5,000.00	5,000.00
Assorted Clamps			1	lot	4,000.00	4,000.00
Vulcaseal			3	lts.	600.00	1,800.00
PVC Pipe Orange 4" x 3m			6	pcs	950.00	5,700.00
PVC Elbow 4"			3	pcs	350.00	1,050.00
Tubular 1" x 1" x 6m			10	pcs	290.00	2,900.00
Tubular 1" x 2" x 6m			5	pcs	440.00	2,200.00
Tubular 1 1/2" x 1 1/2" x 6m			42	pcs	450.00	18,900.00
Tubular 2" x 2" x 6m			32	pcs	550.00	17,600.00
Angle Bar			6	pcs	50.00	300.00
Stainless Cable 5mm			65	m	50.00	3,250.00
Spring Clip 1 1/4 x 1"			20	pcs	40.00	800.00
Cross Joint			4	sets	250.00	1,000.00
Pipe Clip 3/4"			70	pcs	10.00	700.00
Turn Buckle 10mm			5	pcs	75.00	375.00
GI Wire #10			20	kgs	80.00	1,600.00
GI Wire #8			10	kgs	100.00	1,000.00
Welding rod			30	kgs	120.00	3,600.00
Galvanization			1	lot	55,000.00	55,000.00

Materials 240,703.00

B. EQUIPMENT

DESCRIPTION			No. of Equipment	No. of days	Rental Rate per Day	Amount
Welding Machine			2	6	600.00	7,200.00

Equipment 7,200.00

C. LABOR

DESCRIPTION			No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman			1	10	10	715.00	7,150.00
Skilled Laborer			4	10	40	510.00	20,400.00
Unskilled Laborer			8	10	80	395.00	31,600.00

Labor 59,150.00

MATERIAL COST 240,703.00
EQUIPMENT COST 7,200.00
LABOR COST 59,150.00

DIRECT COST (A+B+C) 307,053.00

OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7% 21,493.71
CONTRACTOR'S PROFIT 8% 24,564.24
VAT 12% 42,373.31

TOTAL ITEM COST 395,484.26
UNIT COST 1,307.82

ITEM: II.f QTY: 302.4 sq.m.
GREENHOUSE - TOP VENT SOILLESS SYSTEM FOR TRELLISED CROP
Roofing, Siding

A. Materials

DESCRIPTION	QTY	UNIT	UNIT COST	AMOUNT
Roofing (PE plastic, 200 micron, 9m x 40m) Imported from Is	2	roll	28,800.00	57,600.00
Insect Mesh (mesh#32, 4m x 70m)	1	roll	16,800.00	16,800.00
Door (Sliding 1.2m) with accessories	2	pcs	7,000.00	14,000.00
GI Bolt and Nut(3/8" x 3")	100	pcs	13.00	1,300.00
GI Bolt and Nut(3/8" x 2 1/2")	50	pcs	12.00	600.00
GI Bolt and Nut(3/8" x 2")	20	pcs	10.00	200.00
GI Bolt and Nut(3/8" x 1 1/2")	150	pcs	9.00	1,350.00
GI Bolt and Nut(3/8" x 1")	50	pcs	8.00	400.00
GI Bolt and Nut(3/8" x 1/2")	20	pcs	7.00	140.00
Bolt and Nut 5/16" x 3/4"	100	pcs	4.00	400.00
U-bolt 3/8" x 2"	6	pcs	22.00	132.00
Eyebolt (3/8 x 4")	40	pcs	25.00	1,000.00
Eyebolt (3/8 x 2")	30	pcs	20.00	600.00
Trusshead bolt 1/4" x 1/2"	400	pcs	8.00	3,200.00
Heavy duty Flat washer 1/2"	20	pcs	6.00	120.00
Locking Profile (Aluminum, 3m)	250	pcs	300.00	75,000.00
Vinipet 2m	750	pcs	50.00	37,500.00
Texscrew 1"	1000	pcs	2.50	2,500.00
Turn bucke (12mm)	5	pcs	95.00	475.00
Black strap (300m)	1	roll	1,500.00	1,500.00
Black Rope 7mm	1	roll	975.00	975.00

Materials 215,792.00

B. EQUIPMENT

DESCRIPTION	No. of Equipment	No. of days	Rental Rate per Day	Amount
None				

Equipment -

C. LABOR

DESCRIPTION	No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman	1	6	6	715.00	4,290.00
Skilled Laborer	3	6	18	510.00	9,180.00
Unskilled Laborer	6	6	36	395.00	14,220.00

Labor 27,690.00

MATERIAL COST 215,792.00

EQUIPMENT COST -

LABOR COST 27,690.00

=====

DIRECT COST (A+B+C) 243,482.00

OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7% 17,043.74

CONTRACTOR'S PROFIT 8% 19,478.56

VAT 12% 33,600.52

=====

TOTAL ITEM COST 313,604.82

UNIT COST 1,037.05

Lyndell
LYND P. PARDILLA
Sales /Authorized Representative

Lyndell

ITEM: Il.g QTY: 1 lot
GREENHOUSE - TOP VENT SOILLESS SYSTEM FOR TRELLISED CROP
Drip Irrigation System

A. Materials

DESCRIPTION				QTY	UNIT	UNIT COST	AMOUNT
PE Pipe 16mm x 400m				1	roll	8,000.00	8,000.00
PE Pipe 40mm x 60m				1	roll	3,600.00	3,600.00
Mapal Bed 0.5m x 11m				9	pcs	770.00	6,930.00
Black Rope 3.5mm x 200m				1	roll	350.00	350.00
Polybag 10" x 10" x 20"				250	pcs	15.00	3,750.00
Styro board 4ft x 8ft x 1" thick				6	pcs	500.00	3,000.00
Two Manifold				250	pcs	9.00	2,250.00
PCI Button Drippers 4lph				250	pcs	18.00	4,500.00
Spaghetti Tubes 5*3				500	pcs	15.00	7,500.00
Arrow Dripper 2lph				500	pcs	9.00	4,500.00
Vine Clip				1000	pcs	5.00	5,000.00
Hanger				1000	pcs	15.00	15,000.00
Weed Eliminator				2	roll	10,000.00	20,000.00
Strainer				9	pcs	50.00	450.00

Materials 84,830.00

B. EQUIPMENT

DESCRIPTION				No. of Equipment	No. of days	Rental Rate per Day	Amount
None							

Equipment -

C. LABOR

DESCRIPTION				No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman				1	7	7	715.00	5,005.00
Skilled Laborer				3	7	21	510.00	10,710.00
Unskilled Laborer				4	7	28	395.00	11,060.00

Labor 26,775.00

MATERIAL COST 84,830.00

EQUIPMENT COST -

LABOR COST 26,775.00

=====

DIRECT COST (A+B+C) 111,605.00

OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7% 7,812.35

CONTRACTOR'S PROFIT 8% 8,928.40

VAT 12% 15,401.49

=====

TOTAL ITEM COST 143,747.24

UNIT COST 143,747.24

Impardik

ITEM: III.a QTY: 252 sq.m.
GREENHOUSE - TOP VENT SOIL SYSTEM FOR FLOWERS (CHRYSANTHEMUMS)
Site Clearing and Lay-out Works

A. Materials

DESCRIPTION	QTY	UNIT	UNIT COST	AMOUNT
Batterboard and Other Layout Materials	1	lot	3,000.00	3,000.00

Materials 3,000.00

B. EQUIPMENT

DESCRIPTION	No. of Equipment	No. of days	Rental Rate per Day	Amount

Equipment -

C. LABOR

DESCRIPTION	No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman	1	1	1	715.00	715.00
Skilled Laborer	2	1	2	510.00	1,020.00
Unskilled Laborer	4	1	4	395.00	1,580.00

Labor 3,315.00

MATERIAL COST 3,000.00

EQUIPMENT COST -

LABOR COST 3,315.00

DIRECT COST (A+B+C) 6,315.00

OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7% 442.05

CONTRACTOR'S PROFIT 8% 505.20

VAT 12% 871.47

TOTAL ITEM COST 8,133.72

UNIT COST 32.28

Lyndell

Lyndell
LYEYL P. PARDILLA
Sales/Authorized Representative

mbncl

ITEM: III.b QTY: 2.38 cu.m.
GREENHOUSE - TOP VENT SOIL SYSTEM FOR FLOWERS (CHRYSANTHEMUMS
Excavation and Backfilling

A. Materials

DESCRIPTION					QTY	UNIT	UNIT COST	AMOUNT
None								

Materials

-

B. EQUIPMENT

DESCRIPTION					No. of Equipment	No. of days	Rental Rate per Day	Amount

Equipment

-

C. LABOR

DESCRIPTION				No. of Personel	No. of days	Man- day	Rate per Day	Amount
Foreman				1	1	1	715.00	715.00
Skilled Laborer				2	1	2	510.00	1,020.00
Unskilled Laborer				4	1	4	395.00	1,580.00

Labor

3,315.00

MATERIAL COST

-

EQUIPMENT COST

-

LABOR COST

3,315.00

DIRECT COST (A+B+C)

3,315.00

OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7%

232.05

CONTRACTOR'S PROFIT 8%

265.20

VAT 12%

457.47

TOTAL ITEM COST

4,269.72

UNIT COST

1,794.00

Grandich
MEZL P. PARDILLA
Sales /Authorized Representative

Grandich

ITEM: III.c QTY: 1.52 cu.m.
GREENHOUSE - TOP VENT SOIL SYSTEM FOR FLOWERS (CHRYSANTHEMUMS)
Reinforced Concrete

A. Materials

DESCRIPTION	QTY	UNIT	UNIT COST	AMOUNT
40kg Cement	15	bags	260.00	3,900.00
Fine Aggregates (washed)	1	cu.m.	790.00	790.00
Gravel	2	cu.m.	840.00	1,680.00
Materials				6,370.00

B. EQUIPMENT

DESCRIPTION	No. of Equipment	No. of days	Rental Rate per Day	Amount
Bagger Concrete Mixer	1	2	600.00	1,200.00
Equipment				1,200.00

C. LABOR

DESCRIPTION	No. of Personel	No. of days	Man-day	Rate per Day	Amount
Foreman	1	2	2	715.00	1,430.00
Skilled Laborer	2	2	4	510.00	2,040.00
Unskilled Laborer	4	2	8	395.00	3,160.00
Labor					6,630.00

MATERIAL COST	6,370.00
EQUIPMENT COST	1,200.00
LABOR COST	6,630.00
=====	
DIRECT COST (A+B+C)	14,200.00
OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7%	994.00
CONTRACTOR'S PROFIT 8%	1,136.00
VAT 12%	1,959.60
=====	
TOTAL ITEM COST	18,289.60
UNIT COST	12,032.63

Appendix
LIEZL P. PARDILLA
Sales/Authorized Representative

Appendix

ITEM: III.d QTY: 5.28 sq.m.
GREENHOUSE - TOP VENT SOIL SYSTEM FOR FLOWERS (CHRYSANTHEMUMS)
Formworks

A. Materials

DESCRIPTION				QTY	UNIT	UNIT COST	AMOUNT
1/2" x 4' x 8' Ordinary plywood (3 Uses)				4	pcs	819.00	3,276.00
2" x 2" x 12' Coco Lumber				5	pcs	140.00	700.00
Assorted Nails				2	kgs	66.00	132.00
Nylon # 70				1	kgs	120.00	120.00
# 16 Tie Wire				2	kgs	71.00	142.00

Materials 4,370.00

B. EQUIPMENT

DESCRIPTION				No. of Equipment	No. of days	Rental Rate per Day	Amount

Equipment -

C. LABOR

DESCRIPTION				No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman				1	1	1	715.00	715.00
Skilled Laborer				2	1	2	510.00	1,020.00
Unskilled Laborer				2	1	2	395.00	790.00

Labor 2,525.00

MATERIAL COST 4,370.00

EQUIPMENT COST -

LABOR COST 2,525.00

DIRECT COST (A+B+C) 6,895.00

OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7% 482.65

CONTRACTOR'S PROFIT 8% 551.60

VAT 12% 951.51

TOTAL ITEM COST 8,880.76

UNIT COST 1,681.96

jsardut
LIZEL P. PARDILLA
Sales/Authorized Representative

jsardut

nsnls

ITEM: III.e QTY: 252 sq.m.

GREENHOUSE - TOP VENT SOIL SYSTEM FOR FLOWERS (CHRYSANTHEMUMS)

Steel Works

A. Materials

DESCRIPTION	QTY	UNIT	UNIT COST	AMOUNT
BI Pipe 2" sch 20 x 6.0m	13	pcs	1,132.00	14,716.00
BI Pipe 1 1/2" s20 x 6.0m	29	pcs	840.00	24,360.00
BI Pipe 1 1/4" sch 20 x 6.0m	34	pcs	719.00	24,446.00
BI Pipe 1" sch 20 x 6.0m	2	pcs	526.00	1,052.00
BI Pipe 1/2" sch 20 x 6.0m	1	pcs	280.00	280.00
BI Pipe 3/4" sch 20 x 6.0m	25	pcs	355.00	8,875.00
Center Connector	7	pcs	250.00	1,750.00
Arc Connector	36	pcs	200.00	7,200.00
Gutter 3m	15	pcs	1,900.00	28,500.00
Gutter Accessories	1	lot	3,000.00	3,000.00
Assorted Clamps	1	lot	2,500.00	2,500.00
Vulcaseal	3	fts	600.00	1,800.00
PVC Pipe Orange 4" x 3m	12	pcs	950.00	11,400.00
PVC Elbow 4"	3	pcs	350.00	1,050.00
Tubular 1" x 1" x 6m	10	pcs	290.00	2,900.00
Tubular 1" x 2" x 6m	5	pcs	440.00	2,200.00
Tubular 1 1/2" x 1 1/2" x 6m	22	pcs	450.00	9,900.00
Tubular 2" x 2" x 6m	12	pcs	550.00	6,600.00
Angle Bar	6	pcs	50.00	300.00
Stainless Cable 5mm	52	m	50.00	2,600.00
Spring Clip 1 1/4 x 1"	16	pcs	40.00	640.00
Cross Joint	4	sets	250.00	1,000.00
Pipe Clip 3/4"	70	pcs	10.00	700.00
Turn Buckle 10mm	4	pcs	75.00	300.00
GI Wire #10	20	kgs	80.00	1,600.00
GI Wire #8	10	kgs	100.00	1,000.00
Welding rod	25	kgs	120.00	3,000.00
Galvanization	1	lot	55,000.00	55,000.00
Materials				218,669.00

B. EQUIPMENT

DESCRIPTION	No. of Equipment	No. of days	Rental Rate per Day	Amount
Welding Machine	2	4	600.00	4,800.00
Equipment				4,800.00

C. LABOR

DESCRIPTION	No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman	1	10	10	715.00	7,150.00
Skilled Laborer	4	10	40	510.00	20,400.00
Unskilled Laborer	6	10	60	395.00	23,700.00
Labor					51,250.00

MATERIAL COST 218,669.00
EQUIPMENT COST 4,800.00
LABOR COST 51,250.00
=====

DIRECT COST (A+B+C) 274,719.00

OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7% 19,230.33
CONTRACTOR'S PROFIT 8% 21,977.52
VAT 12% 37,911.22
=====

TOTAL ITEM COST 353,838.07
UNIT COST 1,404.12

Skilled Laborer	3	6	18	510.00	9,180.00
Unskilled Laborer	6	6	36	395.00	14,220.00
Labor					27,690.00

MATERIAL COST 158,947.00
EQUIPMENT COST -
LABOR COST 27,690.00
=====

DIRECT COST (A+B+C) 186,637.00

OVERHEAD, CONTINGENCIES AND MISCELLANEOUS 7% 13,064.59
CONTRACTOR'S PROFIT 8% 14,930.96
VAT 12% 25,755.91
=====

TOTAL ITEM COST 240,388.46
UNIT COST 953.92

ITEM: III.g QTY: 1 lot
GREENHOUSE - TOP VENT SOIL SYSTEM FOR FLOWERS (CHRYSANTHEMUMS)
Drip Irrigation System

A. Materials

DESCRIPTION				QTY	UNIT	UNIT COST	AMOUNT
PE Pipe 20mm x 150m				1	roll	3,000.00	3,000.00
PE Pipe 40mm x 60m				1	roll	3,600.00	3,600.00
Microsprinkler				25	pcs	510.00	12,750.00
PE End Cap 20mm				5	pcs	40.00	200.00
PE Elbow 20mm				5	pcs	78.00	390.00
PE Male Adaptor 20mm x 3/4"				5	pcs	38.00	190.00
PE Male Adaptor 40mm x 1 1/4"				3	pcs	150.00	450.00
PE Nipple 1/2"				5	pcs	40.00	200.00
Brass Ball Valve 1/2"				5	pcs	450.00	2,250.00
Brass Ball Valve 1 1/4"				1	pcs	1,500.00	1,500.00
PE Tee 40mm				1	pcs	280.00	280.00
Start Connector 16mm x ring				32	pcs	23.00	736.00
Endline 16mm				32	pcs	25.00	800.00
Dripline 20mil; 0.2m spacing				500	m	13.00	6,500.00
PE End Cap 40mm				1	pcs	164.00	164.00
Light Controller/Timer				1	set	15,000.00	15,000.00
LED lights 9W				40	pcs	100.00	4,000.00
THWN Wire #18				1	roll	5,000.00	5,000.00
THWN Wire #10				1	roll	7,000.00	7,000.00
Rubber Socket				40	pcs	30.00	1,200.00
Black rope 6mm				1	roll	1,500.00	1,500.00
Black rope 3.5mm				5	roll	1,200.00	6,000.00
Black Plastic 3m x 40m				1	roll	22,000.00	22,000.00
Net Support				9	set	4,300.00	38,700.00
Deformed bars (net support)				80	pcs	160.00	12,800.00
Fittings and Accessories				1	lot	4,866.23	4,866.23

Materials 151,076.23

B. EQUIPMENT

DESCRIPTION				No. of Equipment	No. of days	Rental Rate per Day	Amount

Equipment -

C. LABOR

DESCRIPTION				No. of Personnel	No. of days	Man-day	Rate per Day	Amount
Foreman				1	5	5	715.00	3,575.00
Skilled Laborer				5	5	25	510.00	12,750.00
Unskilled Laborer				8	5	40	395.00	15,800.00

Labor 32,125.00

Liezl P. Pardilla
LIEZL P. PARDILLA
Authorized Representative
Turbu Konstrak, Inc.

Liezl P. Pardilla