



Republic of the Philippines

DEPARTMENT OF SCIENCE AND TECHNOLOGY

PHILIPPINE SCIENCE HIGH SCHOOL - CALABARZON REGION CAMPUS



Certificate No.: SCP000420Q

**TERMS OF REFERENCE
TESTING FEES (Research Group: MD-08-23)**

I. BACKGROUND OF THE PROJECT

The Research 3 students of Philippine Science High School - CALABARZON Region Campus is currently completing the project implementation phase of their research projects. To ensure the accuracy of the results of testing, students are outsourcing the procedure that is currently not available on the campus laboratories from third-party laboratories. One of the groups testing their experimental units is MD-08-23 which will be outsourced to Forest Products Research and Development Institute (DOST-FPRDI).

II. RATIONALE

The study of MD-08-23 entitled "Incorporation of Shredded Polypropylene Face Masks in Wood-Plastic Composite Extrusion" is exploring the use of shredded polypropylene face masks in wood-plastic composite production. It will conduct two (2) durability tests, namely, Tensile Strength Test and Compressive Strength Test. To determine if polypropylene face masks are a suitable material for the production of WPCs, the researchers shall compare the mechanical properties of the experimental WPC to that of other structural materials, specifically Commercial Wood-Plastic Composite and Coco Lumber.

III. SCOPE OF WORK AND JOB SPECIFICATIONS

Please see the attached quotation from DOST-FPRDI.

IV. APPROVED BUDGET FOR THE CONTRACT

The approved budget for the contract is Php 7,776.00 which shall include the above-mentioned scope.

V. MODE of PROCUREMENT

The mode of procurement shall be Agency to Agency.



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VI. PAYMENT SCHEDULE

The campus shall not provide advance payment nor pay a reservation fee. Full payment shall be made 30-45 calendar days once services have been fully rendered.

Prepared by:

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VINCE MIGUEL A. ARROJADO
Student Researcher

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LINDBERG R. GILERA
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Recommending Approval:

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MABELLE V. FURTO
CID Chief

Certified Funds Available:

Arnel E. Aguilera
ARNEL E. AGUILA
Accountant II

Recommending Approval:

Ma. Theresa P. Pagulayan
MA. THERESA P. PAGULAYAN
FAD Chief

Approved:

Jose M. Andaya, D.T.
JOSE M. ANDAYA, D.T.
Campus Director

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Physical and Mechanical Section
Forest Products Research and Development Institute

Department of Science and Technology
College, Laguna 4031
Fax no. (049) 5363630; Tel No. (049) 5362377

JOB QUOTATION

JOB QUOTATION NO.: PMS-006

COMPANY : Philippine Science High School CALABARZON Region Campus

Date: 22 March 2023

ADDRESS : Brgy. Sampaga, Batangas City.

Tel. Nos. : 0956 679 5857

Contact Person: Vince Miguel Arrojado/Student Researcher

Fax Nos.: None

E-mail: vaarrojado@cbzrc.pshs.edu.ph

Item No.	Customer Sample Description	Services Required		Qty	Unit Price(P)	Amount (P)
		Type of Test	Method			
1	Polypropylene Wood-Plastic Composite (50% Coco Lumber : 50% Polypropylene)	Tensile Strength Test	ASTM D 1037	3	360.00	1,080.00
		Compressive Strength Test	ASTM D 1037	3	450.00	1,350.00
2	Polypropylene Wood-Plastic Composite (30% Coco Lumber : 70% Polypropylene)	Tensile Strength Test	ASTM D 1037	3	360.00	1,080.00
		Compressive Strength Test	ASTM D 1037	3	450.00	1,350.00
3	Commercial Wood-Plastic Composite	Tensile Strength Test	ASTM D 1037	3	360.00	1,080.00
		Compressive Strength Test	ASTM D 1037	3	450.00	1,350.00
4	Coco Lumber	Tensile Strength Test	ASTM D 1037	3	360.00	1,080.00
		Compressive Strength Test	ASTM D 1037	3	450.00	1,350.00
					TOTAL	9,720.00
					DISCOUNT	1,944.00
					TOTAL	7,776.00

Estimated Completion Date: The Due Date of the test certificate will be determined in the receiving office. Please be reminded that the due date will always depend on the queue. We follow a first-come, first-serve basis. Upon receipt of the payment the PMS Laboratory shall immediately conduct the test as per agreed type of test, methods and completion date.

REMARKS:
Please make check payable to **NATIONAL TREASURY-FPRDI**. Our address is FPRDI, UPLB-CFNR Campus, College, Laguna. Attention to Dr. Romulo T. Aggangan if you will mail the check.

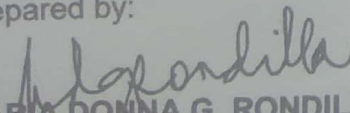
Please check also the amount in words as follows: *(for check payment)*

Example:

1. WITH EXACT AMOUNT (P 10, 000.00). In words, it should be "TEN THOUSAND PESOS ONLY"
2. WITH DECIMAL NUMBER (P 500.26) In words, it should be "FIVE HUNDRED AND 26/100"

FPRDI is a regular government agency and non VAT registered. Therefore, customer shall pay as priced (no deduction of withholding tax).

Prepared by:


MARIA DONNA G. RONDILLA

Customer Relations Officer, FPRDI