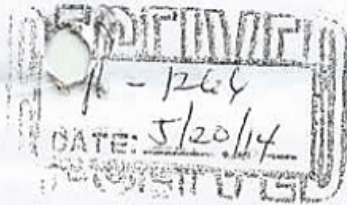


To Our Valued Customers:

Please be informed that FPRDI has revised the fees for its testing services effective 01 May 2014 as per DOST Administrative Order No. 001, Series of 2014, dated 19 May 2014.

Thank you.

241463



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY

OFFICE OF THE SECRETARY

DOST Administrative Order No. 001
Series of 2014

MAY 19 2014

SUBJECT: Prescribed Fees for Testing Services of DOST Research and Development Institutes (RDIs) and Regional Standards and Testing Laboratories (RSTLs)

I. Rationale

This Administrative Order is issued to update the existing fees of DOST RDIs and RSTLs for testing services in compliance to Malacañan Administrative Order No. 31, s. 2012 which authorizes government agencies to increase their existing fees.

II. Scope

The updating of fees shall cover the testing and analytical services of testing laboratories of DOST RDIs and RSTLs.

III. Definition of Terms

- **Personal Services (PS)** – cost of services rendered by the technical and support staff involved in the delivery of testing and analytical services consisting of salaries, incentives and other monetary benefits.
- **Maintenance and Other Operating Expenses (MOOE)** – cost of supplies/materials, utilities, calibration, maintenance and depreciation of equipment and facilities used for services.

IV. Bases of Computation

The fee shall be the sum of the following components:

A. Personnel Services (PS)

The rates for Personal Services shall be computed based on the man hours spent for the activity and hourly rates.

Hourly rates are based on 1,980 work hours per year (12 months per year, 22 days per month and 7.5 hours per day).

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The degree of participation is classified according to the involvement of personnel in the conduct of analyses up to the release of results, as follows:

CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
SRA - 90%	SRS I - 50%	SRS II - 50%	SRS II - 40%
Sr. SRS - 5%	SRS II - 40%	Sr. SRS - 40%	Sr. SRS - 50%
Sup SRS - 2.5%	Sr. SRS - 5%	Sr. SRS - 5%	Sr. SRS - 5%
Chief SRS - 2.5%	Sup SRS - 2.5%	Sup SRS - 2.5%	Sup SRS - 2.5%
	Chief SRS - 2.5%	Chief SRS - 2.5%	Chief - 2.5%

A - simple, computation only, visual reading, short time analysis; example of tests: Brix, gravity, pH
B - intermediate, requires sample preparation (e.g. titrimetric method), enumeration, use of simple equipment; example of tests: titratable acidity
C - complex, use of instrumental analysis (e.g. AAS, GC, HPLC, PCR) laborious; example of tests: minerals
D - highly complex, requires several stages of analysis; example of tests: total dietary fiber

B. Maintenance and Other Operating Expenses (MOOE)

This component is computed as follows:

MOOE = Supplies and Materials + Utilities + Equipment Maintenance, Calibration and Depreciation

- Supplies and Materials = Cost per unit x Actual Usage
- Utilities = Water + Electricity

Water = Consumption x 60 Php/cu.m

Electricity = Wattage of equipment x No. of hours used x 10 Php/ kWh

- Equipment = Maintenance Cost + Depreciation Cost + Calibration Cost

Maintenance Cost = Acquisition Cost Php x 0.05 x (Hrs of Use/ 1,980 Hrs)

Depreciation Cost = (Acquisition Cost Php/ Useful Life in Years) x (Hrs of Use/ 1,980 Hrs)

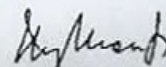
Calibration Cost = (Calibration Cost/1,980) x Hrs of Use

V. Matrix of Recommended Fees

The prescribed fees for the DOST testing services are presented as Annex A.

VI. Effectivity

This Order shall take effect on May 1, 2014.


MARIO G. MONTEJO
Secretary

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AGENCY: Forest Products Research and Development Institute

ISO/IEC 17025:2005 Accredited Laboratories

I. Pulp & Paper Testing Laboratory - Physical Properties

No.	Test/Analysis	Method	Prescribed Fee
	Tear strength	ISO 1974	750.00
	Tear strength *	ISO 1974	1970.00
	Tensile strength	ISO 1924	630.00
	Tensile strength*	ISO 1924	1920.00
	Grammage/Basis weight	ISO 536	630.00
	Thickness	ISO 534	630.00
	Density	ISO 534 & ISO 536	630.00
	Brightness(ISO)	ISO 2470	910.00
	Opacity (ISO)	ISO 2471	910.00
	Dirt count*	TAPPI 437	1460.00
	Dirt count	TAPPI 437	265.00
	Edgewise Crush Test	ISO 13821	630.00
	Flat Crush Test	ISO 3035	630.00
	Ring Crush Test	ISO12192	630.00
	CMT-concura fluting	ISO 7263	1330.00
	Burst strength(board)	ISO 2759	630.00
	Burst strength (paper)	ISO 2758	630.00
	Burst strength(board)*	ISO 2759	1250.00
	Burst strength (paper)*	ISO 2758	1165.00
	Folds**	ISO 5626	265.00
	Folds***	ISO 5627	500.00
	Det'n of Water Absorptiveness	ISO 535	265.00
	Oil Penetration	TAPPI 462	265.00
	* New testing equipment		
	** short fiber		
	*** long fiber		

II. Pulp & Paper Testing Laboratory - Chemical Properties

No.	Test/Analysis	Method	Prescribed Fee
1	Moisture Content*	TAPPI 412 om-06	245.00
2	Ash Content*	TAPPI 211 om-07	320.00
3	Hot water extractives	TAPPI 207 om-08	520.00
4	1% NaOH solubility	TAPPI 212 om-07	645.00
5	Ethanol-cyclohexane extractives	TAPPI 204 om-93	1430.00
6	Lignin	TAPPI 222 om-88	735.00
7	Holocellulose	TAPPI 9 wd-75	955.00
8	Alpha, beta & gamma cellulose	TAPPI 203 om-09	1410.00
9	pH	TAPPI 509 om-88	170.00

III. Plywood Testing Laboratory

No.	Test/Analysis	Method	Prescribed Fee
1	Type 1 Exterior Plywood	PNS: 196:2000	12645.00
a	Thickness Test		870.00
b	Moisture Content		3970.00
c	Shear & Wood Failure Test		7805.00
2	Type 2 Interior Plywood	PNS: 196:2000	10015.00
a	Thickness Test		870.00
b	Moisture Content		3970.00
c	Delamination Test		5175.00

IV. Furniture Testing Laboratory

No.	Test/Analysis	Method	Prescribed Fee
1	Structural/Performance Test	ISO 7173:1989	10500.00
	* per sample		

V. Chemistry and Biotechnology Laboratory

No.	Test/Analysis	Method	Prescribed Fee
	Wood & non-wood		
1	Moisture content*	TAPPI 208 om-94	245.00
2	Ash content*	TAPPI 211 om-93	320.00
3	Hot water extractives	TAPPI 207 om-93	520.00
4	1% NaOH solubility	TAPPI 212 om-88	645.00
5	Ethanol-cyclohexane extractives	TAPPI 204 om-93	1430.00
6	Lignin	TAPPI 222 om-08	735.00
7	Holocellulose	TAPPI 44:230	955.00
8	Alpha, beta & gamma cellulose	TAPPI 203 om-09	1410.00
9	Starch content**	Humprey & Kelly	490.00
10	Tannin content**	TAPPI Standard	435.00
11	Total sugars**	TAPPI Standard	400.00
12	Total carbohydrates**	TAPPI Standard	400.00
	Fats & Oils		
13	Specific gravity	TAPPI Standard	265.00
14	Saponification number*	TAPPI Standard	430.00
15	Iodine number (Wijs method)*	TAPPI Standard	1220.00
16	Peroxide value*	TAPPI Standard	685.00
17	Free fatty acid number	TAPPI Standard	480.00
	Adhesives		
18	Total solids	TAPPI Standard	490.00
19	pH	TAPPI Standard	170.00
20	Volatile matter	TAPPI Standard	490.00
21	Formaldehyde emission (ASTM)	ASTM Standard	3670.00
	(ISO)	ISO Standard	4830.00
	(JIS)	JIS Standard	3180.00

	Other Tests/Services		
22	FT-IR spectral analysis	FT-IR Std. Procedure	1100.00
23	DSC Thermal analysis	DSC Std. Procedure	1200.00
24	TGA Thermal analysis	TGA Std. Procedure	1400.00
25	Phytochemical Screening	UST Method (ACTA Manila)	300.00

- * fee per phytochemical component
- * minimum of 2 samples per test
- ** minimum of 3 samples per test

VI. Structural Testing Laboratory

No.	Test/Analysis	Method	Prescribed Fee
1	Wall Compression	TAPPI Standard	875.00
2	Wall Shear	TAPPI Standard	875.00
3	Static Bending	TAPPI Standard	875.00

VII. Fire Testing Laboratory

No.	Test/Analysis	Method	Prescribed Fee
1	Fire resistance	ASTM Standard	205.00
2	Fire resistance (fire tube test)	ASTM Standard	12965.00
3	Impregnation test (any size)	ASTM Standard	5515.00
4	Panel test	ASTM Standard	5000.00
5	Pole bending	ASTM Standard	4310.00
6	Treatability test (4 ft. long)	ASTM Standard	11485.00

VIII. Physical & Mechanical Properties Laboratory

No.	Test/Analysis	Method	Prescribed Fee
1	Static bending	ASTM D 143	450.00
2	Comp. parallel to grain	- do -	450.00
3	Comp. perpendicular to grain	- do -	450.00
4	Shear parallel to grain	- do -	360.00
5	Hardness	- do -	360.00
6	Nail withdrawal	- do -	445.00
7	Screw withdrawal	- do -	450.00
8	Spike holding	- do -	540.00
9	Cleavage	- do -	360.00
10	Tension parallel to grain	- do -	360.00
11	Toughness	- do -	250.00
12	Moisture determination	- do -	315.00
13	Relative density	- do -	315.00
14	Shrinkage	- do -	385.00
15	Comp. hollow blocks	ASTM C 140 - 12	260.00
16	Comp. Concrete cylinder	ASTM C 873 - 04	275.00
17	Comp. pallet	ASTM D 642/ISO 8611	615.00

18	Comp. corrugated boxes-small	PNS ISO 6780:2005	300.00
19	Comp. corrugated boxes-big	ASTM D 642	600.00

IX. Wood Anatomy Laboratory

No.	Test/Analysis	Method	Prescribed Fee
1	SEM analysis	SEM Manual: FEI Inspect S50	3100.00
2	Fiber analysis	TAPPI 401	3000.00
3	Wood Identification	IAWA: Standards and Procedures for Description of Dicotyledonous Woods; Wood Identification Handbook for Phil. Timbers v.1&2; Comparison with authentic wood sample	450.00
4	Herbarium Identification	Comparison with existing herbarium samples, identification keys and descriptions from different books, journals and websites	450.00

X. Biomass Energy Testing Laboratory

No.	Test/Analysis	Method	Prescribed Fee
1	Heating value	ASTM 5865	1320.00
2	Proximate chemical analysis	ASTM 3172	1660.00