

Terms of Reference for the Procurement of Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

1. RATIONALE

- 1.1. Paint goes a long way in keeping the exterior surfaces from suffering destruction. An excellent paint job can last a long time, and that will protect the surfaces from harmful exposure. Exterior walls tend to suffer damages from various elements, and painting them offers the protection they need. Using high-quality paint will also prevent walls from staining, and hiring a professional painter will help to achieve our objective.
- 1.2. To address this situation, it is highly recommended that in order to look attractive and remove the dullness of the facades/exterior walls, including powerhouse and main electrical room, the **National Electrification Administration (NEA for brevity)**, a Government-Owned and Controlled Corporation duly organized and existing under and by virtue of P.D. 269, as amended by R.A. 10531, with principal office address at NEA Building, Barangay Pinyahan, Diliman, Quezon City, needs the services of a qualified/professional repainting service firm ("**CONTRACTOR**", for brevity) which can provide manpower, equipment, supplies, materials and technical expertise for the repainting works of **NEA's** Facades/Exterior Walls including Powerhouse and Main Electrical Room.

2. APPROVED BUDGET FOR THE CONTRACT

- 2.1. For and in consideration of the performance and accomplishment of the **REPAINTING SERVICES**, **NEA** shall pay the **CONTRACTOR** the total amount of **THREE MILLION EIGHTY-NINE THOUSAND FOUR PESOS (Php3,089,004.00)** for the contract price. Subject to pertinent laws on government contracts and auditing procedures.
- 2.2. The contract price is inclusive of all duties and taxes.
- 2.3. No changes shall be made on the Contract Price by reason of escalation in currency. Any adjustment in Contract Price shall be done in accordance with guidelines provided by law.
- 2.4. The payment of escalation costs shall be subject to the unilateral and written approval of **NEA** and to availability of funds.

3. PROJECT DURATION

- 3.1. The project duration covering the repainting works of facades/exterior walls, including powerhouse and main electrical room, in **NEA** shall be for a period of **ninety (90) days** from the issuance of Notice to Proceed (NTP).

- 3.2. The **CONTRACTOR's** proposed Work Plan shown in Gantt Chart, which is a mandatory part of the Technical Proposal, should provide a more detailed schedule of activities. Unless approved in writing by **NEA** on the written request of the **CONTRACTOR**, the coverage – *from mobilization to demobilization*, should not extend beyond the derivable dates as indicated here below.

Work Clusters	Nth Cal-days from Contractor's Date of Receipt of Notice-to-Proceed	
	Start	Finish
1. Notice to Proceed	1 st	1 st
2. Mobilization of construction materials and consumables; deployment of manpower and equipment; secure necessary permits; provision of safety signage's and paraphernalia; and, submission of shop drawings and project Bar Chart/S-Curve and PERT/CPM Network Diagram for NEA's approval prior to project implementation.	2 nd	14 th
3. Surface Preparation and Repainting Works on Facades/Exterior Walls including Powerhouse and Main Electrical Room	15 th	74 th
4. Punch-listing, Rectification of Punch-list Items, Cleaning, Restoration of all affected facilities/areas/landscape, and other related-fixtures due to repainting works; and, Project Turn-Over including submission of as-built plans duly signed and sealed by appropriate professional engineer/s and other contract documents.	75 th	90 th

- 3.3. Exact dates of delivery and/or completion should be reckoned from the date of **CONTRACTOR's** receipt of NTP.
- 3.4. The liquidated damages shall be imposed for the inability of the **CONTRACTOR** to comply with the **Approved Construction Schedule**, unless a written request for time extension due to force majeure has been approved in writing by **NEA**.

4. QUALIFICATION OF THE CONTRACTOR

- 4.1. The **CONTRACTOR** must be competent and experienced in the field of repainting works with a minimum of five (5) years prior experience on similar projects and should have a valid and current Philippine Contractors Accreditation Board (PCAB) License, Category "C" or "D", with a classification General Engineering (GE-1) or Specialty – Painting Work (SP-PN).

- 4.2. The **CONTRACTOR** is required to submit a company profile, list of present and previous clientele for five (5) years, and certifications issued by past/present clients indicating the Contractor's satisfactory performance.
- 4.3. The Project-in-Charge who will administer the Painting Works must be well trained and experienced paint applicator with at least three (3) years of experience.

5. GENERAL REQUIREMENTS

- 5.1. The **CONTRACTOR** will provide technical supervision, skilled manpower, tools, equipment and suitable highest quality materials within the specified period to complete the project.
- 5.2. As-built Drawings is to be done and submitted by **CONTRACTOR**.
- 5.3. Provide coordination and collaborative works with **NEA** to complete respective works in accordance with approved drawings, specifications and method of installation.
- 5.4. Provide all materials necessary to complete the works although not specifically mentioned in the Specifications, working drawings or in on other contract documents without extra cost to the **NEA**.
- 5.5. Comply with all applicable Environmental, Health and Safety regulations required by law.
- 5.6. Secure and submit all necessary bonds, permits and insurances required in the contract.
- 5.7. Submit on time, the required work schedule, delivery schedule, table of organization, manpower schedule, samples product data, safety plan, methodology and other requirements deemed necessary.
- 5.8. Ensure the quality of materials and workmanship needed to complete and render ready for acceptance by the owner.
- 5.9. Responsible for the safety requirements (safety shoes, vest, hard hat, safety harness, lifeline) and provision of fire extinguishers and all other fire protection provisions in working areas.
- 5.10. Compliance to provisions of safety provisions for warehousing/storage of their materials and equipment.
- 5.11. Medical Requirements of **CONTRACTOR** workers will be part of preliminaries of **CONTRACTORS**.
- 5.12. Hauling and disposal of garbage inside the building perimeter.

- 5.13. Protect and maintain in the required acceptable conditions of all repainting works and accessories during construction until hand over.
- 5.14. Ensure that the performance, appearance and proper functioning of the works are not affected by any movements, settlement or deflection in the building structure. Also take into account the construction accuracy of works by others to which the repainting works are attached.
- 5.15. Coverage of the repainting works is approximately **7,722.51 square meters** covering areas such as but not limited to the following:

Location	Area (sqm)
NEA Main Building	6,952.30
Penthouse	490.52
Powerhouse	220.80
Main Electrical Room	58.89
Total	7,722.51

6. SCOPE OF WORK

- 6.1. The **CONTRACTOR** shall undertake the works implementation of the “**Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building**”, all in accordance with the specifications and subject to the terms and conditions of the contract.

6.1.1. Mobilization and Provision of Temporary Facilities

- 6.1.1.1. The **CONTRACTOR** shall provide safety signage/early warning signs visible at the jobsite.
- 6.1.1.2. The **CONTRACTOR** shall make available Protective Gears for the workers.
- 6.1.1.3. Temporary Facilities shall be of a design and materials acceptable to **NEA**.
- 6.1.1.4. The **CONTRACTOR** shall provide suitable portable toilet facilities at approved location with proper enclosures for the use of workmen, and shall maintain same in sanitary operable conditions, all in conformity with the local regulations.
- 6.1.1.5. The **CONTRACTOR** shall provide such other temporary building as maybe required for use of his/her workers and safe storage of tools and materials. Such structures shall be located only where previously approved.
- 6.1.1.6. **NEA** shall provide for temporary power facility required for the entire repainting works phase. The **CONTRACTOR** shall provide conduits, wires, connections and accessories and labor.

- 6.1.1.7. **NEA** shall provide temporary water facility that will be used during the entire repainting works stage.
- 6.1.1.8. The **CONTRACTOR** shall install, operate and maintain adequate number of temporary hoists, scaffolds, runways, ladders, and the like as required for the proper execution of the work. Safety precautions shall at all times be observed.
- 6.1.1.9. All temporary services and facilities installed by the **CONTRACTOR** shall be removed by the **CONTRACTOR** on completion of this Contract or as directed by **NEA**. The **CONTRACTOR** shall restore any damage, alteration, caused by such removal and during the project implementation.

6.1.2. Surface Preparation

- 6.1.2.1. Prepare surfaces in a skillful manner to produce finished work of first-class appearance and durability.
- 6.1.2.2. Clean surfaces free from rust, dirt, oil, grease and other foreign matter prior to primer coat. Be sure surface is clean and dry.
- 6.1.2.3. Repair all voids, cracks, nicks, dents, etc. with suitable patching material.
- 6.1.2.4. Sand, wire brush or scrap all rusty metal surfaces and apply metal etching solution to remove all rust, letting solution stay on the affected surface for 10 – 15 minutes. Wash off surface thoroughly with mineral spirits, letting dry before applying paint.
- 6.1.2.5. Primer should be applied on the treated surface after a few hours after application of etching solution to ensure that the new rust does not set in.
- 6.1.2.6. Apply at least a coat of anti-corrosive paint on ferrous metal. Effectiveness is directly related to film thickness. Use appropriate metal primer. Remove all foreign matter. For very smooth metal surfaces, lightly sand and clean area to provide paint film anchorage.
- 6.1.2.7. For galvanized metals, clean entire surface with paint thinner or soap and water. Rinse thoroughly and let dry. Apply suitable paint on the same day.
- 6.1.2.8. For concrete, remove scaling, flaking, blistering and peeling of paint either with the use of paint remover, wire brushing, scraping of water-blasting. Let surface dry.
- 6.1.2.9. For chalking paint – use masonry surface conditioner as primer.

- 6.1.2.10. For removal of mildew infestation – use fungicidal wash solution by swabbing or brushing.
- 6.1.2.11. To ensure proper treatment, allow applied treatments to remain on the surface for twenty-four (24) hours. Brush off excess, rinse with water and let dry thoroughly before applying new coat of paint.
- 6.1.2.12. Haul and dispose debris properly and to be placed to designated areas provided by **NEA**.

6.1.3. Painting

- 6.1.3.1. Mix paint with proper consistency. Stir paint thoroughly to keep pigment in even suspension when paint is being applied.
- 6.1.3.2. Unless otherwise indicated, apply paint in three coats (priming, body and finish) and allow each coat to dry thoroughly before next coat is applied (at least 48 hours between application of coats). Let **NEA** representative inspect each coat before proceeding work.
- 6.1.3.3. If at three coats the surface has not been satisfactorily finished, the **CONTRACTOR** shall apply the necessary number of coats to obtain desired evenness at no extra cost to **NEA** end user.
- 6.1.3.4. Touch up knots, pitch streaks, etc. where finish calls for interior enamel. Use approved sealer for exterior surfaces.
- 6.1.3.5. Sand smooth surfaces to be finished with enamel or varnish. Use fine sandpaper between coats to produce even, smooth surface.
- 6.1.3.6. Do not paint exterior surfaces while still damp or during rainy or damp weather.

6.1.4. Paint Schedule

- 6.1.4.1. Always start at top of the surface and work downwards.
- 6.1.4.2. Finish surfaces in accordance with the manufacturer's recommendation.
- 6.1.4.3. Do not remix paints of different types.

6.2. Punch List, Cleaning, Clearing and Turn-Over

- 6.2.1. Correct all noted punch lists, defects and/or needed replacements identified and observed.
- 6.2.2. Restore to its original condition any facilities and fixtures that has been damaged due to repainting works and accidents arising during implementation, if any.

- 6.2.3. Clean, clearing of the area, and hauling and disposal of debris properly before turn-over.
- 6.2.4. Demobilize and turn-over the entire project for acceptance of **NEA** or its authorized representative.

7. MATERIALS REQUIREMENTS & SPECIFICATIONS

- 7.1. Use **NEA-approved** one brand only all throughout. All exposed finish hardware, lighting fixtures and accessories, plumbing fixtures and accessories, glasses and the like shall be adequately protected that these are not stained with paint and other painting materials prior to painting works. All other surfaces which would be endangered by stains and paint marks should be taped and covered with craft paper or equal.
- 7.2. Delivery of the materials must be supported by an official receipt or delivery receipt duly signed by the authorized representative of the manufacturer attesting that the paint was sourced from the manufacturer, which will be subject to inspection and documents validation by the **NEA** or its authorized representative.
- 7.3. For concrete surface, use 100% acrylic water based elastomeric wall paint type.
- 7.4. For metal surface, use acrylic solvent-based coating type.

8. WARRANTY

- 8.1. The **CONTRACTOR** shall guarantee the work done to be free from defects for a period of **two (2) years** reckoned from acceptance of the project. Form of warranty shall be in accordance with the provisions in Section 62 of the Revised Implementing Rules and Regulations (IRR) of R.A. 9184.

9. RESPONSIBILITIES OF THE CONTRACTOR

- 9.1. The principal features of the work do not in any way limit the responsibilities of the **CONTRACTOR** to the general description of his/her scope of work. He/she shall perform all the work fully and make operational to the intent of the project.
- 9.2. The **CONTRACTOR** shall be responsible for the proper execution and coordination of his/her work. He/she shall schedule and program all necessary work activities according to the specified completion period.
- 9.3. The **CONTRACTOR** shall observe the required standards of safety and procedures and that its contract and workers shall be properly insured against all risks. He/she shall provide/equip its workers with Personal Protective Equipment (PPE) during the course of construction/installation. He/she shall observe the **NEA's** house regulations to be issued together with the Work Permit.

- 9.4. The **CONTRACTOR** shall be responsible for securing **NEA** issued work permits and compliance with other **NEA** rules and regulations related to the construction works. All workers/engineers working at site are required to wear company uniforms indicating their company name.
- 9.5. The **CONTRACTOR** is not allowed to erect quarters for workers within **NEA** premises; sleeping is also not allowed. **CONTRACTOR's** workers are limited to the designated working area only. Loitering around and inside the **NEA** premises is not allowed.
- 9.6. The **CONTRACTOR** shall be responsible for clearing and cleaning of the designated project site of unused materials, left over and other debris at the site and disposal of the same outside of the **NEA** premises. A daily inspection of the work area shall be conducted by the **CONTRACTOR** and **NEA** or its authorized representative to ensure that the working area and storage area assigned to the **CONTRACTOR** is clean and in order at all times.
- 9.7. The **CONTRACTOR** shall protect adjacent areas against any damage by his/her employees, or by his/her materials, equipment and tools during the execution of the work. Any damage done by him/her or his/her employees shall be repaired at his own expense, without additional compensation beyond the contract.
- 9.8. Permits, Laws, Ordinances and Standards – the installation provided for and specified herein shall comply with laws and regulations of the local government unit and any government agency having jurisdiction. All necessary permits and other requirements shall be secured and for the account of the **CONTRACTOR**. Said requirements shall be turned-over to **NEA** upon project completion.
- 9.9. The **CONTRACTOR** shall assign a fulltime Engineer/Architect as Project-In-Charge (PIC) for the project to supervise the works mentioned herein. The PIC shall be a certified registered Civil Engineer or Architect designated for the project by the **CONTRACTOR**. Said PIC must be the one to report on a weekly/monthly basis of the status/progress of the project as agreed during the kick-off meeting and who shall be the one responsible for all coordination works with the **NEA** or its authorized representative.
- 9.10. All other items of work not specifically mentioned but are necessary to complete the works in accordance with the plans and specifications and other related documents shall be provided by the **CONTRACTOR** at no additional cost to the **NEA**.

10. SUBMITTALS

- 10.1. Before commencing any work or providing any materials at the jobsite for this project, the **CONTRACTOR** shall submit samples, project Bar Chart/S-Curve and PERT/CPM Network Diagram for the **NEA's** approval **within five (5) calendar days** upon receipt of Notice to Proceed.

- 10.2. The Contractor's All-Risk Insurance (CARI) shall be submitted to **NEA within ten (10) calendar days** upon receipt of Notice of Award (NOA) to be issued by the BAC Secretariat.
- 10.3. The **CONTRACTOR** shall submit to **NEA**, the proposed delivery of materials, tools and equipment, and manpower schedules for proper monitoring **five (5) calendar days** after the Pre-construction/kick-off meeting.
- 10.4. The **CONTRACTOR** shall submit samples and/or technical brochures of all materials to be used in the project **within ten (10) calendar days** upon receipt of Notice to Proceed which include but may not be limited to the following for **NEA's** approval:
 - 10.4.1. Painting Materials/Brochures with technical specifications.
 - 10.4.2. Manufacturer's printed Product Installation Instructions.
- 10.5. Prior to issuance of the Certificate of Completion (COC) the following shall be submitted to **NEA**. **NEA** reserves the right not to issue a Certificate of Satisfactory Performance on the basis of the non-submission of any of the items below:
 - 10.5.1. Original Copy of "Record Drawing/Plan" complete with legend, technical specifications and measurements.
 - 10.5.2. Final Project Report including photo documentations before, during and after implementation works. Each photo-documentation should have the date and time stamps in jpg-format.
 - 10.5.3. As-built Plans – Plans should be approved by **NEA**. The **CONTRACTOR** shall submit shop drawings as required by **NEA**. A complete set of As-Built Drawings in printed form (20" x 30") and/or A3 whichever is required by **NEA** and an electronic copy in AutoCAD.
 - 10.5.4. Warranty Certificate of at least two (2) years against poor workmanship and defects traceable to materials.
- 10.6. The **CONTRACTOR** is required to have a suitable Construction Safety and Health Program, which must be in accordance with Occupation Safety and Health (OSH) Standard, rules and issuances by the DOLE. The program shall state the following:
 - 10.6.1. Composition of Construction Safety and Health Committee.
 - 10.6.2. Specific safety policies which the **CONTRACTOR** shall observe at the area of construction which include but not limited to Fall Protection, Chemical Hazards, and Materials Handling and Storage.
 - 10.6.3. Penalties and sanctions for violations of the program.

10.6.4. The manner of disposing waste arising from the construction.

10.6.5. The safety program shall also include the appointment of a full-time safety officer-in-charge of the implementation of the said program.

11. PAYMENTS

11.1. Payments to the **CONTRACTOR** will be made only for the actual accomplishment and/or material utilized, certified by the **NEA** as performed by the **CONTRACTOR** in accordance with the plans, specifications and program of works/construction schedule.

11.2. Payments in accordance with the above paragraph shall be considered full compensation for furnishing materials, labor, tools and equipment, and for performing all work contemplated and embraced under the Contract.

11.3. Payment shall be made upon complete submission of all documents required by **NEA** as indicated in this Terms of Reference and other contract documents.

11.4. It is responsibility of the **CONTRACTOR** to ensure that their performance bond is updated and valid until the **NEA** issue the final Certificate of Acceptance. The **CONTRACTOR** shall submit the endorsement or amendments to **NEA** on extension or revisions to its validity, as maybe necessary, not later than **seven (7) days** before the expiration of the originally submitted Performance Bond. No payment shall be made unless the Performance is updated.

11.5. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required at the Supplier's option, either retention money in an amount equivalent to at least ten percent (10%) of every progress payment, or a special bank guarantee equivalent to at least ten percent (10%) of the Contract Price.

12. LIQUIDATED DAMAGES

12.1. Failure to comply with the terms and conditions of the contract will result in the payment of corresponding penalties/liquidated damages in the amount to 1/10 of 1% of the cost of the unperformed portion for every day of delay. Once the cumulative amount of liquidated damages reaches 10% of the amount of the contract, **NEA** shall rescind the contract, without prejudice to other courses of action and remedies open to it.

For your consideration and proper action.

TECHNICAL WORKING GROUP

FEDERICO P. VILLAR, JR.
Member

SHIRLEY J. SALVADOR
Member

CYNTHIA E. LISONDRA
Member

CESAR F. JACINTO JR.
Member

MARCELINO D. CACDAC
Member

HERNANDO N. GABOTERO
Member

RAFAEL B. BARRIENTOS
Member

ESTRELLITA S. VOLANTE
End-user

MA. CHONA O. DELA CRUZ
Vice-Chairman

GWEN P. ENCISO-KYAMKO
Chairman

Bill of Quantities/Bid Form

Procurement of Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

PROJECT: Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

LOCATION: NEA Building, #57 NIA Road, Government Center, Diliman, Quezon City

SUBJECT: Bill of Quantities / Bid Form

ITEM NO.	DESCRIPTION	MATERIALS				LABOR	ESTIMATED DIRECT COST	MARK-UPS IN PERCENT		TOTAL MARK-UPS		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
		QTY	UNIT MEASURE	UNIT COST	AMOUNT			OCM	PROFIT	%	VALUE				
		(1)		(2)	(3)	(4)	(5) (3 + 4)	(6)	(7)	(8) (6 + 7)	(9) (5 X 8)	(10) 5%(5 + 9)	(11) (9 + 10)	(12) (5 + 11)	(13) (12 / 1)
1.0.	GENERAL REQUIREMENTS														
	1.1. Mobilization and demobilization.	1.00	lot												
	1.2. Bonds, Permits and Insurances.	1.00	lot												
	1.3. Environmental, Safety and Health.	1.00	lot												
	1.4. Temporary Facilities.	1.00	lot												
2.0.	SURFACE PREPARATION AND INSTALLATION OF PAINTING MATERIALS AT NEA MAIN BUILDING														
	2.1. Removal of all existing paints and hauling the same for proper disposal by the contractor to a designated location.	6,952.30	sq.m.												
	2.2. Preparation of surface area. Clean, dry, sound surfaces free of loose particles before application of painting materials. Repair all voids, cracks, nicks, dents, etc. with suitable patching material.	6,952.30	sq.m.												
	2.3. Application or installation of painting materials as per scope of work and specifications.	6,952.30	sq.m.												
3.0.	SURFACE PREPARATION AND INSTALLATION OF PAINTING MATERIALS AT PENTHOUSE														
	3.1. Removal of all existing paints and hauling the same for proper disposal by the contractor to a designated location.	490.52	sq.m.												
	3.2. Preparation of surface area. Clean, dry, sound surfaces free of loose particles before application of painting materials. Repair all voids, cracks, nicks, dents, etc. with suitable patching material.	490.52	sq.m.												
	3.3. Application or installation of painting materials as per scope of work and specifications.	490.52	sq.m.												
4.0.	SURFACE PREPARATION AND INSTALLATION OF PAINTING MATERIALS AT POWERHOUSE														

	4.1. Removal of all existing paints and hauling the same for proper disposal by the contractor to a designated location.	220.80	sq.m.												
	4.2. Preparation of surface area. Clean, dry, sound surfaces free of loose particles before application of painting materials. Repair all voids, cracks, nicks, dents, etc. with suitable patching material.	220.80	sq.m.												
	4.3. Application or installation of painting materials as per scope of work and specifications.	220.80	sq.m.												
5.0.	SURFACE PREPARATION AND INSTALLATION OF PAINTING MATERIALS AT MAIN ELECTRICAL ROOM														
	5.1. Removal of all existing paints and hauling the same for proper disposal by the contractor to a designated location.	58.89	sq.m.												
	5.2. Preparation of surface area. Clean, dry, sound surfaces free of loose particles before application of painting materials. Repair all voids, cracks, nicks, dents, etc. with suitable patching material.	58.89	sq.m.												
	5.3. Application or installation of painting materials as per scope of work and specifications.	58.89	sq.m.												
	TOTAL PROJECT COST														

CONTRACTOR: _____
 Complete Address: _____
 Name of Authorized Representative and Signature: _____
 Telephone No.: _____
 Email Account: _____

Detail Unit Price Analysis (DUPA)

Procurement of Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

PROJECT: Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

SUBJECT: Detail Unit Price Analysis (DUPA)

PAY ITEM:	1.0. GENERAL REQUIREMENTS	QTY	UNIT	UNIT COST	TOTAL COST (Php)
DESCRIPTION:	1.1. Mobilization and Demobilization.	1.00	lot		
A.	EQUIPMENT				
Ref. No.	Name and Specification of Equipment	No. of Units	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL EQUIPMENT COST				
B.	LABOR				
Ref. No.	Designation of Personnel	No. of Personnel	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL LABOR COST				
OUTPUT=	Quantity / Total Working Hours				
C.	MATERIALS				
Ref. No.	Designation of Materials	Unit	Quantity	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL MATERIALS COST				
D.	TOTAL DIRECT COST	(	A+B+C)	
E.	OVERHEAD, CONTINGENCES & MISC.	(		)	TDC
F.	PROFIT	(		)	TDC
G.	VALUE ADDED TAX	(		)	of D+E+F+G
H.	TOTAL COST	(	D+E+F+G+H)	
I.	UNIT COST				

PROJECT: Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

SUBJECT: Detail Unit Price Analysis (DUPA)

PAY ITEM:	1.0. GENERAL REQUIREMENTS	QTY	UNIT	UNIT COST	TOTAL COST (Php)
DESCRIPTION:	1.2. Bonds, Permits and Insurances.	1.00	lot		
A.	EQUIPMENT				
Ref. No.	Name and Specification of Equipment	No. of Units	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL EQUIPMENT COST				
B.	LABOR				
Ref. No.	Designation of Personnel	No. of Personnel	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL LABOR COST				
OUTPUT=	Quantity / Total Working Hours				
C.	MATERIALS				
Ref. No.	Designation of Materials	Unit	Quantity	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL MATERIALS COST				
D.	TOTAL DIRECT COST	(	A+B+C)	
E.	OVERHEAD, CONTINGENCES & MISC.	(		TDC)	
F.	PROFIT	(		TDC)	
G.	VALUE ADDED TAX	(		of D+E+F+G)	
H.	TOTAL COST	(	D+E+F+G+H)	
I.	UNIT COST				

PROJECT: Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

SUBJECT: Detail Unit Price Analysis (DUPA)

PAY ITEM:	1.0. GENERAL REQUIREMENTS	QTY	UNIT	UNIT COST	TOTAL COST (Php)
DESCRIPTION:	1.4. Temporary Facilities.	1.00	lot		
A.	EQUIPMENT				
Ref. No.	Name and Specification of Equipment	No. of Units	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL EQUIPMENT COST				
B.	LABOR				
Ref. No.	Designation of Personnel	No. of Personnel	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL LABOR COST				
OUTPUT=	Quantity / Total Working Hours				
C.	MATERIALS				
Ref. No.	Designation of Materials	Unit	Quantity	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL MATERIALS COST				
D.	TOTAL DIRECT COST	(	A+B+C)	
E.	OVERHEAD, CONTINGENCES & MISC.	(		TDC)	
F.	PROFIT	(		TDC)	
G.	VALUE ADDED TAX	(		of D+E+F+G)	
H.	TOTAL COST	(	D+E+F+G+H)	
I.	UNIT COST				

PROJECT: Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

SUBJECT: Detail Unit Price Analysis (DUPA)

PAY ITEM:	2.0. SURFACE PREPARATION AND INSTALLATION OF PAINTING MATERIALS AT NEA MAIN BUILDING	QTY	UNIT	UNIT COST	TOTAL COST (Php)
DESCRIPTION:	2.1. Removal of all existing paints and hauling the same for proper disposal by the contractor to a designated location.	6,952.30	sq.m.		
A.	EQUIPMENT				
Ref. No.	Name and Specification of Equipment	No. of Units	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL EQUIPMENT COST				
B.	LABOR				
Ref. No.	Designation of Personnel	No. of Personnel	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL LABOR COST				
OUTPUT=	Quantity / Total Working Hours				
C.	MATERIALS				
Ref. No.	Designation of Materials	Unit	Quantity	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL MATERIALS COST				
D.	TOTAL DIRECT COST	(	A+B+C)	
E.	OVERHEAD, CONTINGENCES & MISC.	(		TDC)	
F.	PROFIT	(		TDC)	
G.	VALUE ADDED TAX	(		of D+E+F+G)	
H.	TOTAL COST	(	D+E+F+G+H)	
I.	UNIT COST				

PROJECT: Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

SUBJECT: Detail Unit Price Analysis (DUPA)

PAY ITEM:	2.0. SURFACE PREPARATION AND INSTALLATION OF PAINTING MATERIALS AT NEA MAIN BUILDING	QTY	UNIT	UNIT COST	TOTAL COST (Php)
DESCRIPTION:	2.2. Preparation of surface area. Clean, dry, sound surfaces free of loose particles before application of painting materials. Repair all voids, cracks, nicks, dents, etc. with suitable patching material.	6,952.30	sq.m.		
A.	EQUIPMENT				
Ref. No.	Name and Specification of Equipment	No. of Units	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL EQUIPMENT COST				
B.	LABOR				
Ref. No.	Designation of Personnel	No. of Personnel	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL LABOR COST				
OUTPUT=	Quantity / Total Working Hours				
C.	MATERIALS				
Ref. No.	Designation of Materials	Unit	Quantity	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL MATERIALS COST				
D.	TOTAL DIRECT COST	(	A+B+C)	
E.	OVERHEAD, CONTINGENCES & MISC.	(		TDC)	
F.	PROFIT	(		TDC)	
G.	VALUE ADDED TAX	(		of D+E+F+G)	
H.	TOTAL COST	(	D+E+F+G+H)	
I.	UNIT COST				

PROJECT: Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

SUBJECT: Detail Unit Price Analysis (DUPA)

PAY ITEM:	2.0. SURFACE PREPARATION AND INSTALLATION OF PAINTING MATERIALS AT NEA MAIN BUILDING	QTY	UNIT	UNIT COST	TOTAL COST (Php)
DESCRIPTION:	2.3. Application or installation of painting materials as per scope of work and specifications.	6,952.30	sq.m.		
A.	EQUIPMENT				
Ref. No.	Name and Specification of Equipment	No. of Units	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL EQUIPMENT COST				
B.	LABOR				
Ref. No.	Designation of Personnel	No. of Personnel	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL LABOR COST				
OUTPUT=	Quantity / Total Working Hours				
C.	MATERIALS				
Ref. No.	Designation of Materials	Unit	Quantity	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL MATERIALS COST				
D.	TOTAL DIRECT COST	(	A+B+C)	
E.	OVERHEAD, CONTINGENCES & MISC.	(		TDC)	
F.	PROFIT	(		TDC)	
G.	VALUE ADDED TAX	(		of D+E+F+G)	
H.	TOTAL COST	(	D+E+F+G+H)	
I.	UNIT COST				

PROJECT: Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

SUBJECT: Detail Unit Price Analysis (DUPA)

PAY ITEM:	3.0. SURFACE PREPARATION AND INSTALLATION OF PAINTING MATERIALS AT PENTHOUSE	QTY	UNIT	UNIT COST	TOTAL COST (Php)
DESCRIPTION:	3.1. Removal of all existing paints and hauling the same for proper disposal by the contractor to a designated location.	490.52	sq.m.		
A.	EQUIPMENT				
Ref. No.	Name and Specification of Equipment	No. of Units	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL EQUIPMENT COST				
B.	LABOR				
Ref. No.	Designation of Personnel	No. of Personnel	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL LABOR COST				
OUTPUT=	Quantity / Total Working Hours				
C.	MATERIALS				
Ref. No.	Designation of Materials	Unit	Quantity	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL MATERIALS COST				
D.	TOTAL DIRECT COST	(	A+B+C)	
E.	OVERHEAD, CONTINGENCES & MISC.	(		)	TDC
F.	PROFIT	(		)	TDC
G.	VALUE ADDED TAX	(		)	of D+E+F+G
H.	TOTAL COST	(	D+E+F+G+H)	
I.	UNIT COST				

PROJECT: Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

SUBJECT: Detail Unit Price Analysis (DUPA)

PAY ITEM:	3.0. SURFACE PREPARATION AND INSTALLATION OF PAINTING MATERIALS AT PENTHOUSE	QTY	UNIT	UNIT COST	TOTAL COST (Php)
DESCRIPTION:	3.2. Preparation of surface area. Clean, dry, sound surfaces free of loose particles before application of painting materials. Repair all voids, cracks, nicks, dents, etc. with suitable patching material.	490.52	sq.m.		
A.	EQUIPMENT				
Ref. No.	Name and Specification of Equipment	No. of Units	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL EQUIPMENT COST				
B.	LABOR				
Ref. No.	Designation of Personnel	No. of Personnel	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL LABOR COST				
OUTPUT=	Quantity / Total Working Hours				
C.	MATERIALS				
Ref. No.	Designation of Materials	Unit	Quantity	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL MATERIALS COST				
D.	TOTAL DIRECT COST	(	A+B+C)	
E.	OVERHEAD, CONTINGENCES & MISC.	(		TDC)	
F.	PROFIT	(		TDC)	
G.	VALUE ADDED TAX	(		of D+E+F+G)	
H.	TOTAL COST	(	D+E+F+G+H)	
I.	UNIT COST				

PROJECT: Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

SUBJECT: Detail Unit Price Analysis (DUPA)

PAY ITEM:	3.0. SURFACE PREPARATION AND INSTALLATION OF PAINTING MATERIALS AT PENTHOUSE	QTY	UNIT	UNIT COST	TOTAL COST (Php)
DESCRIPTION:	3.3. Application or installation of painting materials as per scope of work and specifications.	490.52	sq.m.		
A.	EQUIPMENT				
Ref. No.	Name and Specification of Equipment	No. of Units	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL EQUIPMENT COST				
B.	LABOR				
Ref. No.	Designation of Personnel	No. of Personnel	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL LABOR COST				
OUTPUT=	Quantity / Total Working Hours				
C.	MATERIALS				
Ref. No.	Designation of Materials	Unit	Quantity	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL MATERIALS COST				
D.	TOTAL DIRECT COST	(	A+B+C)	
E.	OVERHEAD, CONTINGENCES & MISC.	(		TDC)	
F.	PROFIT	(		TDC)	
G.	VALUE ADDED TAX	(		of D+E+F+G)	
H.	TOTAL COST	(	D+E+F+G+H)	
I.	UNIT COST				

PROJECT: Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

SUBJECT: Detail Unit Price Analysis (DUPA)

PAY ITEM:	4.0. SURFACE PREPARATION AND INSTALLATION OF PAINTING MATERIALS AT POWERHOUSE	QTY	UNIT	UNIT COST	TOTAL COST (Php)
DESCRIPTION:	4.1. Removal of all existing paints and hauling the same for proper disposal by the contractor to a designated location.	220.80	sq.m.		
A.	EQUIPMENT				
Ref. No.	Name and Specification of Equipment	No. of Units	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL EQUIPMENT COST				
B.	LABOR				
Ref. No.	Designation of Personnel	No. of Personnel	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL LABOR COST				
OUTPUT=	Quantity / Total Working Hours				
C.	MATERIALS				
Ref. No.	Designation of Materials	Unit	Quantity	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL MATERIALS COST				
D.	TOTAL DIRECT COST	(	A+B+C)	
E.	OVERHEAD, CONTINGENCES & MISC.	(		TDC)	
F.	PROFIT	(		TDC)	
G.	VALUE ADDED TAX	(		of D+E+F+G)	
H.	TOTAL COST	(	D+E+F+G+H)	
I.	UNIT COST				

PROJECT: Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

SUBJECT: Detail Unit Price Analysis (DUPA)

PAY ITEM:	4.0. SURFACE PREPARATION AND INSTALLATION OF PAINTING MATERIALS AT POWERHOUSE	QTY	UNIT	UNIT COST	TOTAL COST (Php)
DESCRIPTION:	4.2. Preparation of surface area. Clean, dry, sound surfaces free of loose particles before application of painting materials. Repair all voids, cracks, nicks, dents, etc. with suitable patching material.	220.80	sq.m.		
A.	EQUIPMENT				
Ref. No.	Name and Specification of Equipment	No. of Units	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL EQUIPMENT COST				
B.	LABOR				
Ref. No.	Designation of Personnel	No. of Personnel	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL LABOR COST				
OUTPUT=	Quantity / Total Working Hours				
C.	MATERIALS				
Ref. No.	Designation of Materials	Unit	Quantity	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL MATERIALS COST				
D.	TOTAL DIRECT COST	(	A+B+C)	
E.	OVERHEAD, CONTINGENCES & MISC.	(		TDC)	
F.	PROFIT	(		TDC)	
G.	VALUE ADDED TAX	(		of D+E+F+G)	
H.	TOTAL COST	(	D+E+F+G+H)	
I.	UNIT COST				

PROJECT: Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

SUBJECT: Detail Unit Price Analysis (DUPA)

PAY ITEM:	4.0. SURFACE PREPARATION AND INSTALLATION OF PAINTING MATERIALS AT POWERHOUSE	QTY	UNIT	UNIT COST	TOTAL COST (Php)
DESCRIPTION:	4.3. Application or installation of painting materials as per scope of work and specifications.	220.80	sq.m.		
A.	EQUIPMENT				
Ref. No.	Name and Specification of Equipment	No. of Units	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL EQUIPMENT COST				
B.	LABOR				
Ref. No.	Designation of Personnel	No. of Personnel	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL LABOR COST				
OUTPUT=	Quantity / Total Working Hours				
C.	MATERIALS				
Ref. No.	Designation of Materials	Unit	Quantity	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL MATERIALS COST				
D.	TOTAL DIRECT COST	(	A+B+C)	
E.	OVERHEAD, CONTINGENCES & MISC.	(		TDC)	
F.	PROFIT	(		TDC)	
G.	VALUE ADDED TAX	(		of D+E+F+G)	
H.	TOTAL COST	(	D+E+F+G+H)	
I.	UNIT COST				

PROJECT: Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

SUBJECT: Detail Unit Price Analysis (DUPA)

PAY ITEM:	5.0. SURFACE PREPARATION AND INSTALLATION OF PAINTING MATERIALS AT MAIN ELECTRICAL ROOM	QTY	UNIT	UNIT COST	TOTAL COST (Php)
DESCRIPTION:	5.1. Removal of all existing paints and hauling the same for proper disposal by the contractor to a designated location.	58.89	sq.m.		
A.	EQUIPMENT				
Ref. No.	Name and Specification of Equipment	No. of Units	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL EQUIPMENT COST				
B.	LABOR				
Ref. No.	Designation of Personnel	No. of Personnel	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL LABOR COST				
OUTPUT=	Quantity / Total Working Hours				
C.	MATERIALS				
Ref. No.	Designation of Materials	Unit	Quantity	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL MATERIALS COST				
D.	TOTAL DIRECT COST	(	A+B+C)	
E.	OVERHEAD, CONTINGENCES & MISC.	(		TDC)	
F.	PROFIT	(		TDC)	
G.	VALUE ADDED TAX	(		of D+E+F+G)	
H.	TOTAL COST	(	D+E+F+G+H)	
I.	UNIT COST				

PROJECT: Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

SUBJECT: Detail Unit Price Analysis (DUPA)

PAY ITEM:	5.0. SURFACE PREPARATION AND INSTALLATION OF PAINTING MATERIALS AT MAIN ELECTRICAL ROOM	QTY	UNIT	UNIT COST	TOTAL COST (Php)
DESCRIPTION:	5.2. Preparation of surface area. Clean, dry, sound surfaces free of loose particles before application of painting materials. Repair all voids, cracks, nicks, dents, etc. with suitable patching material.	58.89	sq.m.		
A.	EQUIPMENT				
Ref. No.	Name and Specification of Equipment	No. of Units	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL EQUIPMENT COST				
B.	LABOR				
Ref. No.	Designation of Personnel	No. of Personnel	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL LABOR COST				
OUTPUT=	Quantity / Total Working Hours				
C.	MATERIALS				
Ref. No.	Designation of Materials	Unit	Quantity	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL MATERIALS COST				
D.	TOTAL DIRECT COST	(	A+B+C)	
E.	OVERHEAD, CONTINGENCES & MISC.	(		TDC)	
F.	PROFIT	(		TDC)	
G.	VALUE ADDED TAX	(		of D+E+F+G)	
H.	TOTAL COST	(	D+E+F+G+H)	
I.	UNIT COST				

PROJECT: Supply of Labor, Materials, Supervision and other Consumables for the Repainting Works of Facades/Exterior Walls, including Powerhouse and Main Electrical Room, of NEA Building

SUBJECT: Detail Unit Price Analysis (DUPA)

PAY ITEM:	5.0. SURFACE PREPARATION AND INSTALLATION OF PAINTING MATERIALS AT MAIN ELECTRICAL ROOM	QTY	UNIT	UNIT COST	TOTAL COST (Php)
DESCRIPTION:	5.3. Application or installation of painting materials as per scope of work and specifications.	58.89	sq.m.		
A.	EQUIPMENT				
Ref. No.	Name and Specification of Equipment	No. of Units	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL EQUIPMENT COST				
B.	LABOR				
Ref. No.	Designation of Personnel	No. of Personnel	No. of Days	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL LABOR COST				
OUTPUT=	Quantity / Total Working Hours				
C.	MATERIALS				
Ref. No.	Designation of Materials	Unit	Quantity	Unit Cost	Total Cost (Php)
	1.				
	2.				
	3.				
	4.				
	5.				
	TOTAL MATERIALS COST				
D.	TOTAL DIRECT COST	(	A+B+C)	
E.	OVERHEAD, CONTINGENCES & MISC.	(		TDC)	
F.	PROFIT	(		TDC)	
G.	VALUE ADDED TAX	(		of D+E+F+G)	
H.	TOTAL COST	(	D+E+F+G+H)	
I.	UNIT COST				