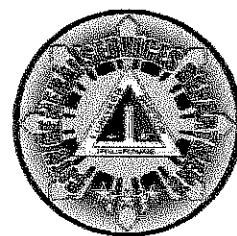




*Republika ng Pilipinas*  
*Lungsod ng Quezon*  
*Kagawaran ng Lungsod ng Quezon*

**GENERAL SERVICES DEPARTMENT**

9<sup>th</sup> & 8<sup>th</sup> Flr. Main Bldg. Quezon City Hall, Elliptical Rd., Diliman, Quezon City  
Trunkline: 02-89684242 Local No. 8600 (D/C), RMCD-8624, BGMD-7329,  
CWMD-8603, FAMCD-8620/1126, MD-8612/8209, ADMIN-8602, NPMCD-8609  
Email Address: [gsd@quezoncity.gov.ph](mailto:gsd@quezoncity.gov.ph) / [quezoncitygsd@yahoo.com](mailto:quezoncitygsd@yahoo.com)



**TERMS OF REFERENCE FOR THE SUPPLY AND APPLICATION OF  
ANTI-SLIP WITHIN QUEZON CITY HALL COMPOUND**

**I.0 RATIONALE**

The Quezon City Government continue to ensure the safety of all its employees and transacting public inside the Quezon City Hall Buildings through the application of Anti-slip Treatment on the tiled office floorings with bath etching / ceramic tile etching treatment.

**II. OBJECTIVE**

This Terms of Reference is crafted for the City to avail itself of a Service Provider (The Service Provider) that has the expertise to provide an effective and Anti Slip Solution & Application disinfecting schemes and products for the safety of the employees as well as the transacting public.

**III. PRODUCT DESCRIPTION AND APPLICATION**

**Technical Description / Specification**

**Safe Solution Anti-Slip Treatment**

Chemical Identity:

Product Use: Bath Etching Treatment/ Ceramic Tile Etching Treatment

- ❖ TDG Classification: Hydrofluoric Acid Solution, Class 8 (6.1) UN 1790 PG 11,
- ❖ WHIMS Classification: D2B E
- ❖ Hazardous Ingredients: Chemical Identity CAS# UN# CONC. (WT) TOXIC (LD50)
- ❖ Hydrofluoric Acid: 7664-39-9 1-5% LD50 ORAL: RAT N/D

**Physical Properties (Approximate Values)**

Physical State:	Liquid
Appearance & Odor:	Clear Liquid, Pungent Odor
Odor Threshold:	Not available
Boiling Point:	Approx 100C
Melt/Freezing Point: C :	Approx, 0C
Vapor Pressure:(20C)	Not available
Vapor Density:	Not available
Specific Gravity:(20C):	1.06
Evaporative Rate:	Not available
Solubility Rate:(20C):	100% in water
PH (100%)	4.4

## **SCOPE OF WORK:**

### **A. Mobilization**

- The contractor shall conduct pre-inspection and measurement to ensure satisfactory completion of the job.
- The contractor shall prepare all the necessary materials and equipment needed during the duration of the contract. The materials and equipment shall be placed only in the area designated.
- Prior to the commencement of the project, the Contractor shall undertake a thorough examination on the area to avoid difficulties in the implementation of the project that would adversely affect the operations.
- The contractor shall secure the necessary Access/Work permit from end user prior to the commencement of the project.
- The Contractor shall provide the Material Safety Data Sheet (MSDS) of all chemical to be used.

### **B. Surface Preparation**

- Protect adjacent areas/structures like the Station Walls, Columns, Gates, Stainless, Railings, and Electrical Rooms etc. prior to the application of the Anti-slip Compound.
- Scraping of all stern dirt, chewing gum, epoxy coating (if any), etc.
- Ensure all needed materials/equipment are ready such as soft broom, squeegee, water, mop and other needed materials and equipment.
- Apply cleaning agent to show the original appearance of flooring and apply tiles treatment to ensure a touch and strong finished application.
- The bidder or its Supplier must comply with the guidelines set by Batas Pambansa Blg. 344 and Americans with Disabilities Act (ADA) recommending a 0.60 coefficient of friction ratio on accessible routes.
- The Bidder or its Supplier must prove the 0.60 coefficient of friction requirements during final inspection to ensure safe walkways for accessible routes.

### **C. Application of Anti-Slip Compound / Solution**

- Examination of the floor surface conditions disadvantageous to application of treatment and conducts product demonstration.
- Preparations: Mask or protect adjacent construction which is not to be treat of which maybe damage by treatment. Strip existing wax, sealers; degrease oil and other contaminants with Clean Step Multi Purpose Cleaner.
- Spray apply the Safe Solution Anti Slip Treatment System in accordance to the manufacturer's instructions to get hold of specified slip resistance. Thoroughly rinse the solutions from the surface after the treatment with hot water. Drain or extract the solutions and water and allow the treated surface to dry.

- Safe Solutions Anti-Slip Treatment System consumption will be one (1) liter per ten square meters.
- Ensure that the surface are thoroughly cleaned and rinsed well before the application of Anti-Slip Compound.
- Apply the required amount of Anti-Slip Compound, as directed by the manufacturer, to obtain the maximum specified slip resistance.
- All materials shall be capable of microscopically etching treated surface and or by gripping feeling using foot as it pushed with wight into the trated surface.
- Application of Neutralizer Solution to weight treated and make remaining residues harmless and biodegradable.
- Contractor to submit photos of the work activities, before during and after application of Anti-Slip Compound in every location stairway, concourse and platform area.
- Submit product technical specification as evidence of compliance.

**D. Clearing Activities**

- Remove protection from adjacent areas/structure.
- Disposal of all waste materials at the place designated by the end user.

**E. Warranty Period**

The Contractor should provide Floor Safety Janitorial Program (FPJP) for One (1) Year, composed of the following.

- Staff training in proper floor care and cleaning procedure to help in the maintenance of the treated tiles.
- Anti-slip compound shall be capable of gripping feeling within the warranty period.
- To conduct regular visit, every three (3) months (Quarterly) by the authorized FSJP staff on the treated surfaces and submit documentation for proper monitoring.
- To provide valuable documentation warranty certificate.
- The contractor shall reimburse all financial claims that may arise as a result of slipping incidents within the one (1) year warranty period.

**IV. COVERAGE**

• **COVERED AREA FOR ANTI SLIP COMPOUND APPLICATION**

	ITEM DESCRIPTION / SPECIFICATION	UNIT	QTY.	UNIT COST	TOTAL COST
1	HIGH RISE BUILDING MAIN LOBBY	SQ.MTR	1,111	750.00	833,542.50
2	HIGH RISE BUILDING LOBBY SIDEWALK	SQ.MTR	120	750.00	90,000.00
3	COVERED WALKWAY PHASE I	SQ.MTR	386	750.00	289,470.00
4	GROUND FLOOR LOBBY COMFORT ROOM	SQ.MTR	11	750.00	8,250.00

5	GROUND FLOOR LEGISLATIVE HALLWAY	SQ.MTR	255	750.00	191,250.00
6	2ND FLOOR LEGISLATIVE HALLWAY	SQ.MTR	255	750.00	191,250.00
7	STAIRWAY TO BULWAGANG AMORANTO	SQ.MTR	20	750.00	14,917.50
8	UNDERPASS QUEZON CITY HALL TO QUEZON MEMORIAL CIRCLE (QMC)				-
	A. ENTRANCE	SQ.MTR	18	750.00	13,500.00
	B. STAIRWAY DOWN TO UNDERPASS	SQ.MTR	85	750.00	63,585.00
	C. UNDERPASS	SQ.MTR	313	750.00	234,900.00
	D. STAIRWAY TO ELLIPTICAL	SQ.MTR	65	750.00	48,930.00
	E. ENTRYRANCEWAY ELLIPTICAL	SQ.MTR	76	750.00	57,135.00
9	ATRIUM HALL WAY	SQ.MTR	114	750.00	85,680.00
10	ENTRACEWAY TO ATRIUM GROUND FLOOR	SQ.MTR	43	750.00	32,250.00
11	ATRIUM 2ND FLOOR	SQ.MTR	183	750.00	137,137.50
12	3RD FLOOR LEGISLATIVE HALLWAY	SQ.MTR	255	750.00	191,250.00
13	CIVC CENTER BUILDING E	SQ.MTR	72	750.00	54,000.00
14	DRRMO BUILDING STAIRWAY & LOBBY	SQ.MTR	200	750.00	150,000.00
15	DPOS BUILDING STAIRWAY & LOBBY	SQ.MTR	81	750.00	60,750.00
16	QC PUBLIC LIBRARY ENTRANCE	SQ.MTR	55	750.00	41,250.00
17	NGO BUILDING STAIRWAY & LOBBY	SQ.MTR	73	750.00	54,750.00
TOTAL SQ. METER			3,792		2,843,797.50

#### Budget and Basis of Payment


- The City has set an Approved Budget for **Two Million Eight Hundred Forty Three Thousand Seven Hundred Ninety Seven Pesos and 50/100 Only (2,843.797.50).**

#### Delivery Period / Frequency

- 30 days

#### Terms of Payment

Payment after completion and application of the listed Quezon City Government Building amounting **Two Million Eight Hundred Forty Three Thousand Seven Hundred Ninety Seven Pesos and 50/100 Only (2,843,797.50).**

  
**FE B. BASS**  
 Officer -In-Charge  
 City General Services Department