



US EMBASSY, NEW DELHI
PAINING OF ENCLAVE COMPOUND CAC's (COMPOUND ACCESS
CONTROL) GATE # A (APARTMENT GATE), GATE # B (COMMISSARY
GATE) GATE # C (GSO GATE) GATE # D (DSQ GATE) and GATE # E
(ACSA GATE)
STATEMENT OF WORK

1.0 BACKGROUND AND PURPOSE

The US Embassy, New Delhi has a requirement to paint the exterior/ interior walls with FEBR doors/ windows of the CAC "A", located at Nyaya Marg , CAC "D and "E" located at Panchsheel marg and CAC "B" and "C" located at Chandra Gupta Marg. This project requires qualified contractors to paint the entire exterior and interior walls of the CAC, FEBR metal doors/ windows, sliding vehicle gates, delta barrier, canopy frame, bollards, turn style gate, railing, planter walls, wooden polishing and other items as mentioned in the scope of work, general specification and contract conditions.

This project requires qualified contractors to do the painting job as mentioned in the scope of work, general specification and contract conditions.

Contractor shall provide all labor, material, tools, equipment and other related items required to complete the project as per scope of work.

Contractors are advised to visit the site, verify the existing site conditions as stated in the statement of work and area details to develop their proposal.

2.0 PROPOSED AREA DETAIL TO BE PAINTED –

Exterior wall painting area – 550 sqmt after deducting the area of all doors and windows area

Exterior ceiling painting area – 30 sqmt.

Interior wall painting area – 250 sqmt after deducting the area of all doors and windows area

Wooden counters – 4.0 sqmt.

Sliding gates with control box – 165 sqmt

Delta Barrier – 23 sqmt

Railing area – 70 mt. long and 0.8 m high metal railing will be painted with metal coat make “MRF”OR EQUIVALENT

Note : Contractor will do the spray paint on all metal work i.e. doors/windows frames, Railing, canopy frame, bollards, delta barrier, turn style, grills etc.

FEBR Window opening Schedule –CAC “A”

WINDOWS		
W-61-63	2.007	1.124
W-64,65	2.91	1.2
W-66	1.232	1.2
W-68,67	1.021	2.191
W-68,68	0.937	1.124
W-69	1.082	1.124
W-70	1.612	2.19
W-71	1.87	1.124
W-72,73	1.87	1.124

All windows are fixed glazed windows. All metal frame needs to painted with metal coat make “MRF”**OR EQUIVALENT**

FEBR Door opening schedule – CAC –“A”

DOORS			
OPENING MARK	WIDTH	HEIGHT	
DOOR 1	1.179	2.19	Double glass door
DOOR 2	1.021	2.191	Single glass door with deal tray
DOOR 3	1.021	2.191	Double glass door
DOOR-4	1.021	2.191	Single glass door with deal tray
DOOR-5	1.612	2.19	Solid metal door

Door # 5 is solid metal door without window and this door # 5 shall be painted from outside only. All metal frame with main door frame needs to be painted with metal coat make “MRF”

FEBR Window opening Schedule CAC-B

WINDOW			
		WIDTH	HEIGHT
W-81- 83		2.91	1.194
W-84		0.907	1.124
W-85		1.253	1.124
W-86		0.927	1.124
W-87		0.761	1.124
W-88-89		2.312	1.124
W-90		0.899	1.124
W-91		1.254	2.19
W-92		2.234	2.19
W-94-95		1.738	1.124
W-96		0.929	1.124

All windows are fixed glazed windows. All metal frame needs to painted with metal coat make “MRF”**OR EQUIVALENT**

FEBR Door opening schedule – CAC B

DOOR				
		WIDTH	HEIGHT	
D211		1.029	2.19	Single glass with deal tray
D212		1.045	2.19	Double glass
D213		1.179	2.19	Single glass with deal tray
D214		1.027	2.19	Double glass
D216		1.027	2.19	Solid metal door

All metal frame with main door frame needs to be painted with metal coat make “MRF” **OR EQUIVALENT**

FEBR Window opening Schedule CAC-C

WINDOW			
		WIDTH	HEIGHT
101		.912	1.111
102		1.065	1.181
103		.912	1.111
104		.894	1.111
105		.714	1.111
106		1.240	1.111
107		.914	1.111
108		.748	1.111
109		1.232	1.111
110		1.067	1.111
111		2.460	1.118
112		2.460	1.111
113		2.138	1.111
114		3.538	1.118

All windows are fixed glazed windows. All metal frame needs to painted with metal coat make “MRF” **OR EQUIVALENT**

FEBR Door opening schedule - CAC -“C”

DOOR				
		WIDTH	HEIGHT	
221		1.016	2.184	Double glass
222		1.016	2.184	Double glass
223		1.016	2.184	Double glass
224		1.168	2.184	Single glass
225		1.015	2.184	Double glass
226		1.015	2.184	Double glass
227		1.015	2.184	Double glass

All metal frame with main door frame needs to be painted with metal coat make “MRF” **OR EQUIVALENT**

Door/Window opening schedule - CAC -“D”

DOOR			
	WIDTH	HEIGHT	
001	1.167	2.184	Metal solid door
W01	.914	.914	Metal window
W02	.914	.914	Wooden fixed glass window
W03	.914	.914	Wooden fixed glass window
D01	.914	2.184	Wooden door

All metal frame with main door frame needs to be painted with metal coat make “MRF **OR EQUIVALENT**
FEBR Window opening Schedule –CAC # E

WINDOW			
	WIDTH	HEIGHT	
W-121	0.748	1.2	Glass window with metal frame
W-122	0.926	1.22	Glass window with metal frame
W-123	0.79	1.22	Glass window with metal frame
W-124	0.88	1.34	Glass window with metal frame
W-125	1.52	1.34	Glass window with metal frame
W -126	0.977	1.34	Glass window with wooden frame
W-127	1.32	1.34	Glass window with wooden frame
W-128	1.35	1.34	Glass window with wooden frame

All windows are fixed glazed windows. All metal frame needs to painted with metal coat make “MRF” **OR EQUIVALENT**

FEBR Door opening schedule – CAC# E

DOOR			
	WIDTH	HEIGHT	
D241	1.029	2.19	single glass window with deal tray
D242	1.029	2.19	single glass window with deal tray
D243	1.029	2.19	single glass window with deal tray

All metal frame with main door frame needs to be painted with metal coat make “MRF” **OR EQUIVALENT**

Note : Contractor will do the spray paint on all metal work i.e. doors/windows frames, canopy frame, bollards, delta barrier, turn style etc.

3.0 PROJECT PHASES

The Phases of the project will be co-ordinate with RSO.

4.0 IN-HOUSE JOBS

None

5.0 GOVT. FURNISHED MATERIAL

None

6.0 GENERAL REQUIREMENTS

1. Contractor shall provide personnel, material, equipment, and supervision to complete the technical requirements in this Statement of Work. Contractor shall follow security and safety directions as explained by the COR.
2. Contractor shall have access to the designated area only. To access area other than designated one, contractor needs to have prior permission from COR.
3. Contractor will properly protect the site, while work is in progress. Any damage that occurs to the building, equipment, furnishings or landscaping due to the negligence of contractor will be repaired or replaced matching to existing at his expense.

7.0 MATERIAL SPECIFICATION

Exterior painting - ACE paint of 'ASIAN' **OR EQUIVALENT**
Duracast Dholpur Tex- Texture paint of
make ASIAN **OR EQUIVALENT**

Interior painting - Premium Semi-Gloss Enamel of Asian **OR**
EQUIVALENT

FEBR doors and windows and other metal work – Metal coat from
“MRF” **OR EQUIVALENT**

8.0 SCOPE OF WORK

8.1 Repairs – Interior and Exterior walls

Contractor shall scrap the existing loose paint from the walls (as much as possible), remove all loose plaster and scrap the entire area with wire brush to take out the loose mortar particles and prepare the area to receive the repair material.

It is the contractor responsibility to inspect the proposed area for painting for cracks and other damages at the time of walkthrough

Repair of loose plaster area

Contractor shall remove the existing loose plaster, which has cracked, crumbled or sounds hollow. Cut the surface to square and rectangular shape. The surface shall thoroughly cleaned with water.

The contractor shall use Nitobond AR, make “Fosroc” OR equivalent quality of bonding agent OR as approved by COR as a bonding agent on the thoroughly cleaned surface. Contractor shall use cement fine sand mortar in ratio 1:4 over the bonding agent. Contractor shall cure the freshly repaired area for at least three days. The surface will be completely dry before proceeding with the paint job.

Repair of the cracks

Clean all the surface from Efflorescence and Microbial growth prior to repairs. Widen the crack with a mechanical router and make a ‘V’ groove of Use compressed air or water to remove all dust and debris from the routed crack.

Contractor shall provide and fill the “V” groove with Renderoc CS, make Fosroc OR equivalent material OR as approved by COR. Cure the sealant as recommended by the manufacturer. Clean the surface of wall and remove all excess material.

Gypsum board paneling

Contractor shall provide and replace damaged gypsum board paneling before doing the painting work

8.2 Painting of exterior walls

Contractor shall wash the exterior walls, planter walls, outside dividing wall with pressure wash and make the surface rough by

sanding it. Prepare the surface as recommended by the manufacture to take the coat of texture finish.

Contractor shall provide and apply texture paint on all exterior walls as per manufacture's direction. After drying of paint, contractor shall provide and apply two coats of ACE paint of "Asian" **OR EQUIVALENT** on entire exterior walls. Paint shade shall be matching to existing or as approved by COR.

8.3 Painting of interior walls

Contractor shall scrap completely interior walls and remove the loose paint. After scraping the paint, contractor will provide and fill all the uneven surfaces with putty. The surface shall be prepared as per manufacture's recommendation to take the coat of interior paint.

All the scraped area shall be primed as per manufacture's recommendation before applying the coats of paint. The entire surface shall be smooth. Paint shade shall be matching to existing or as approved by COR.

8.4 Painting of metal door/windows/sliding gates

Contractor shall remove the existing paint as much as possible. After removing the paint, contractor will provide and fill all the uneven surfaces and holes with the good quality metal putty and prepare the surface to take the primer coat. The surface should be smooth and without any holes/stains before primer. Contractor shall use the MRF primer OR equivalent quality primer OR as approved by COR. After priming, contractor shall provide and install Metal Coat paint of "MRF" OR equivalent quality paint OR as approved by COR, 90 to 100 micron thick with spray as recommended by the manufactures. Paint shade shall be matching to existing or as approved by COR. Protect all glass, looks, handles, door stopper, lights, walls etc. before spray Contractor shall provide all protection material i.e. tape, cloth etc. to protect the surroundings

8.5 Painting of other metal work i.e. railing, canopy frame, delta barrier and bollards

Painting of all metal work will be done same as specification mentioned above for metal door and windows.

8.6 Polish on the wooden counter

Contractor shall polish all wooden counters of the guard post.

Clean, scrape off all loose and blistered polish, fill cuts, cracks and uneven surface with matching filler or putty and smooth it with sand paper. Contractor shall polish the counter matching to existing

GENERAL SPECIFICATIONS OF PAINTING:

Painting and preparatory of surface of the guard post shall be in accordance with the instructions and specifications of manufacturers, and as per specifications/interactions for painting given below. All painting material will be arranged by the contractor.

PAINT SPECIFICATIONS

Paint used shall be appropriate to the intended purpose. Any material used for purpose for which those materials were not intended shall be repainted by the contractor at their own expense.

PROTECTION OF WORK AREA

Painting shall not disturb or damage any fixed property (including light fixtures, ceiling, floors, window and door glass etc). The contractor shall move, protect, and return such property to its original position.

The contractor shall protect furniture /equipment by protective covering. The contractor shall also protect floors from soiling and paint spills. To protect floors from damage, the contractor shall use a suitable protective cover and provide ladders and scaffolding with clean rubber shoes or similar protection devices.

If the contractor spills any paint, or in any way soils the floors, a specialist floor finishing company at the contractor's expense shall perform the clean up. After completion of the painting work, the contractor shall return all furnishings to their original position, and clean the work area free of litter and debris.

TECHNICAL SPECIFICATIONS FOR PAINTING WORK

INTERIOR AND EXTERIOR PAINTING

Paint surfaces as directed by the task order. Match paint to similar adjacent materials or surfaces.

"Paint" includes coating systems materials, primers, emulsions, enamels, stains, sealers and fillers, and other applied materials whether used as prime, intermediate or finish coats.

Product Data:

The contractor shall submit manufacturer's technical information, label analysis, and application instructions for each paint material proposed for use to the COR, prior to starting work. As an attachment, list each material and cross-reference specific coating and finish system and application. Identify each material by the manufacturer's catalog number and general classification.

Single Source Responsibility:

Provide primers and undercoat paint produced by the same manufacturer as the finish coats.

Material Quality:

Provide the manufacturer's best quality trade sale type paint material. Paint material containers not displaying manufacturer's product identification will not be acceptable.

Deliver materials to the job site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label with trade name and manufacturer's instructions.

Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45 degrees F (7 degrees C). Protect from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily.

Project Conditions:

Do not apply paint when the relative humidity exceeds 85 percent, at temperatures less than 5 degrees F (3 degrees C) above the dew point, or to damp or wet surfaces. Apply paint only in temperatures in accordance with manufacturer's specifications.

Examine substrates and conditions under which painting will be performed for compliance with requirements. Do not begin application until unsatisfactory conditions have been corrected.

Preparation:

Remove hardware and hardware accessories, plates, light fixtures, door and windows glass and items in place that are not to be painted, or provide protection such as taping prior to surface preparation and painting

Clean and prepare surfaces to be painted following manufacturer's instructions before applying paint or surface treatments. Remove oil, dust, direct, loose rust, mildew, peeling paint or other contamination to ensure good adhesion. In some cases, the contractor may be requested to remove all existing coats of paint and sealers if prior paint application

is showing signs of improper adhesion, such as peeling, or chipping. All surfaces must be clean and dry. Schedule cleaning and painting so dust and other contaminants will not fall on wet, newly painted surfaces.

Notify the Contracting Officer or COR of problems anticipated for any minor preparatory work required, such as but not limited to, filling nail holes, cleaning surfaces to be painted, and priming any requisite areas. Plan preparatory work as most units in residential areas will have nail holes or areas that will need to be primed or sealed.

Materials Preparation:

Mix and prepare paint following manufacturer's directions.

Application:

Apply paint following manufacturer's directions. Use applicators and techniques best suited for substrate and type of material being applied. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of a durable paint film.

On exterior surfaces, apply exterior grade latex base paint that matches as closely as possible to the existing color on the exterior of the property, or a color as otherwise specified by the COR. Before painting, scrape, sand, fill and prime the surface with a latex base primer. The contractor should plan on extensive preparatory work before painting. Do not apply exterior paint in snow, rain, fog or mist; or when the relative humidity exceeds 85 percent; or to damp or wet surfaces.

The number of coats and film thickness required is the same regardless of application method. Do not apply succeeding coats until previous coat has cured. Sand between applications where required to produce a smooth, even surface.

Apply additional coats when undercoats or other conditions show through final coat, until paint film is of uniform finish, color, and appearance.

Scheduling Painting:

Apply first coat to surfaces that have been cleaned, pretreated or otherwise prepared for painting as soon as practicable, and before subsequent surface deterioration. Allow sufficient time between successive coats to permit proper drying. Do not re-coat until paint has dried.

Minimum Coating Thickness:

Apply materials at the manufacturer's recommended spreading rate. Provide total dry film thickness of the system as recommended by the manufacturer.

Prime Coats:

Before application of finish coats, apply a prime coat as recommended by the manufacturer to material required to be painted or finished, and has not been prime coated.

Brush /Roller Application:

Brush out and work brush/roller coats into surfaces in an even film. Eliminate cloudiness, spotting, laps, brush marks, runs, sags, ropiness, or other surface imperfections. Draw neat glass lines and color breaks.

Apply primers by brush unless manufacturer's instructions permit use of mechanical applicators. Other successive coats of paint shall be done with paint roller.

Mechanical Applications:

Use mechanical methods for paint application when permitted by manufacturer's recommendations, governing ordinances, and trade union regulations.

Wherever spray application is used, apply each coat to provide the equivalent hiding of brush-applied coats. Do not double-back with spray equipment to build up film thickness of two coats in one pass, unless recommended by the manufacturer.

Upon completion of painting, clean glass and paint-spattered surfaces. Remove spattered paint by washing, scraping or other methods, using care not to scratch or damage adjacent finished surfaces.

Remove temporary protective wrappings after completion of painting operations.

General notes

Contractor shall pressure wash entire area proposed for painting, prior to proceed for the actual painting.

The contractor shall provide a coat of cement primer on repaired surfaces before painting.

Contractor shall protect / seal all the metal doors and windows to restrict the entry of water from seeping inside the building during pressure wash.

Contractor shall sand the repaired areas with sand paper and remove all the loose particles before proceeding for the painting.

The contractor shall remove any tree roots from exterior surfaces and seal the holes with Wediseals **OR EQUIVALENT**.

Any rusted metal surface shall be scrub with sandpaper (no.100) and provide coat of primer on rusted area prior to new painting.

The contractor should keep the entire area clean at all times during the project.

The contractor will use scaffolding or Aluminum ladder (with rubber shoes) for painting the exterior of the walls.

GENERAL CONDITIONS OF CONTRACT.

I GENERAL

- a. This is a firm fixed price turnkey job for the entire work and amount quoted shall include all work described in attached drawing, scope of work and general condition of contract. The lump sum price quoted shall be fixed and nothing extra will be entertained on any account.
- b. Contractor's staff is subject to such restriction for entry and exit as are required by the Embassy's security requirement. Contractor's staff will be subject to security cleared as required by the Embassy.
- c. Contractor shall restore all surfaces disturbed by construction to match with existing finish.
- d. Any deviation from the original contract/scope of work shall be informed to COR before work begins. No additional work will be carried out without a contract modification.
- e. All material shall be new, checked and approved by COR prior to installation and proper test certificate of the materials to be submitted.
- f. Electricity and water will be provided to the contractor free of cost. Electrical connection will be provided at one point. Contractor shall bring his own extension cords with proper wire size with board to connect the any electrical equipment.

2 Responsibilities of contractor

- a. All expenses towards mobilization at site and demobilization including bringing in equipment, workforce and materials, dismantling the equipment, clearing the site etc. shall be deemed to be included in the rates quoted by the contractor against various items of schedule of rates and no separate payment on such expenses shall be entertained.
- b. Contractor shall employ and provide one full time supervisor to supervise the project and has experienced of carrying out such type of work.

- c. Contractor shall not proceed with next activity until previous activity will be checked and approved by COR. Contractor shall mentioned all inspection dates in the schedule chart

3 Execution of work

- a. On award of the work, Contractor shall submit a bar chart within 3 days for approval of the Contracting Officer Representative (COR). All dates and time schedule agreed upon should be strictly adhered. Contractor shall notify the COR well in advance regarding the problems, if contractor is expecting/facing during the execution of the project.
- b. The contractor shall prepare and send (a) daily progress report (b) Week's ahead activity plan via e-mail.
- c. For dismantling/blocking or making connection to any existing services or any shut-down, contractor shall inform the COR at least three working days in advance and proceed with the work only after the permission from the COR.

4 Materials

- a. All materials used on this work shall be new and conforming to the contract specifications as per IS codes
- b. Materials shall conform to the latest Indian Standards specifications as amended to date and carry certification mark. Contractor shall submit material samples and catalog for approval.
- c. All materials used on the project shall be approved by the Contracting Officer Representative (COR) before use.
- d. Any changes/ substitute on material shall need to be approved by COR before proceed.

5. Site clearance and cleanup

- a. The Contractor shall clear away all debris and excesses materials accumulated at the site and dispose it away from the Embassy premises and maintain a neat site conditions.

- b. On completion of project, Contractor shall remove all surplus materials and leave the site in a broom clean condition.

6. Workmanship

- a. Workers working on the site shall be skilled in their job and have experience in same type of job.

7. Working Hours

- a. Working hours shall be 8:30 A.M. to 5:30P.M. Monday to Saturday. No work shall be done on Sundays and holidays.

8. Security Clearance

- a. Vehicle access

The Contractor shall inform and provide in writing transportation details (vehicle registration number, drivers name and date of delivery) to the COR at least 24 hours in advance for material deliveries.

- b. Workers access

After contract is awarded, the contractor shall collect security forms within 2 days from COR to get the access for his / her workers. Forms needs to be filled completely with supported documents (photograph, residence address, date of birth address and other necessary documents as required).

Duly filled forms shall be submitted to COR within 10 days. It takes approximate 15 - 20 days to get the security clearance. Letter to proceed cannot be issued unless security is cleared.

9. Safety

- a. Contractor is responsible and shall continue management and implementation of a safety and health program through out construction.
- b. The Contracting Officer and the Post Occupational Safety and Health Officer [POSHO] reserve the right to suspend work when and where Contractor's safety and health program is

considered to be operating in an inadequate or non-complying manner.

- c. Contractor shall provide all Personal Protective Equipment for the workers as per the requirement of the site. Work will be stopped in case the proper protection equipment is not found with the workers and the lapse of time shall be at the Contractor's expense.
- d. Contractor will not leave the work site in an unsafe condition or any other condition that might cause injury to personnel, damage to existing work, plants or equipment.
- e. Contractor will use all safety gadgets e.g. hard hats, cotton gloves and goggles as required on site to avoid the accident.
- f. Any equipment or work considered dangerous shall be immediately discontinued

10. Warranty

The contractor shall guarantee that all work performed will be free from all defects in workmanship and materials and that all installation will provide the capacities and characteristics specified. The contract further guarantees that if, during a period of one year from the date of the certificate of completion and acceptance of the work, any such defects will be repaired by the contractor at his expenses.

