Scope of Work – 191N6526Q0067_Overhang Repairs-Annex Building

Overhang Repairs – Annex Building - Statement of Work (SOW)

1.0 Project Overview

This project involves the repair of 20% of the total area (3000 square feet) deteriorated concrete overhangs (total area: 15,000 square feet, approx. 25 feet above ground) at the Annex Building, Chancery compound, Chanakyapuri, New Delhi. The objective is to restore structural integrity and appearance by repairing damaged areas, applying polymer-modified cement plaster, and finishing with weather-resistant paint (white color) and an anti-carbonation protective coating (Asian Paints Apex Ultima Suprema Anti Carbonation Coating).

A preconstruction contractors walkthrough will be arranged to provide all prospective bidders to familiarize themselves with the site and ask questions / clarification after thoroughly going through the SOW.

2.0 Project Execution Plan

- **Working Hours:** 08:30 AM – 05:00 PM
- **Site Security & Access:** Contractors must provide names and host government photo ID for all workers.
- **Timeline:** 60 days.
- **Scaffolding:**
  - Design must be performed by a certified/registered structural engineer. Execution and finished scaffolding must be inspected and certified by a third-party expert on scaffolding designs.
  - Contractor should provide and install barricading with the help of green net cloth all-round the scaffolding to the height of 9 feet to restrict anyone other than contractor workers to access scaffolding.
  - Contractors should use standard inclined aluminum ladders to access the scaffold from two or three different locations on each side of the building.
  - At any given point of time contractor shall be provided with one side of the building.

- **Regulatory Compliance & Safety:**
    - All civil concrete work must comply with IS 456 and relevant IS/ASTM standards.
    - Contractor must adhere to EM 385-1-1 (USACE Safety), PPE requirements, and local safety codes.
    - Hot Work Permits and Lockout/Tagout (LOTO) as applicable.

3.0 Scope of Work

3.1 Construction Sequence (in order):

1. **Site Preparation & Safety:**
    - Mobilize equipment and personnel.
    - Submit personnel list with host government photo ID's.
    - Isolate and secure work area; implement safety barriers and signage.
2. **Scaffolding:**
    - Design scaffolding by certified/registered structural engineer.
    - Erect scaffolding as per approved design.
    - Obtain third-party inspection and certification of completed scaffolding.
3. **Surface Preparation:**
    - Remove loose, deteriorated, or delaminated concrete from overhangs.
    - Clean surfaces thoroughly to remove dust, debris, and contaminants.
    - Contractor shall carry out a tap test with the help of 5 kg hammer. Entire loose plaster shall be taken out for repairs.
4. **Repair & Plastering:**
    - Contractor shall apply boding agent from Sika or Fosroc before applying polymer modified cement mortar.
    - Apply polymer-modified cement mortar (Ultratech or equivalent) to patch and level damaged areas.

- Ensure proper curing as per manufacturer's recommendations and IS 456.5.

5. **Warrantee:**
   - Contractor shall provide a written warrantee of one year from the date of final handover of the entire project to the USG. Any issue with the repair work or spalling happening later within one year will be liable to get repaired at contractor's cost.
6. **Finishing:**
   - Apply weather-resistant exterior-grade paint (brand as per approval, color as per site requirements).
   - After paint dries, apply a clear anti-carbonation protective coating to all repaired and painted surfaces.

6. **Dismantling & Cleanup:**

   - Carefully dismantle scaffolding after work completion. -

   Clean site and dispose of debris as per local regulations.

7. **Sequence of Operations (SOO):**

- N/A (static repair project; no active system logic required).

8. **Project Deliverables & Closeout**

- **Physical Deliverables:**
  - Fully repaired, plastered, painted, and protected concrete overhangs (2250 sq. ft.).
  - Certified scaffolding design and inspection reports.
- **Documentation:**
  - Material data sheets for polymer-modified mortar, paint, and anti-carbonation coating.
  - Scaffolding design and third-party certification documents.

- Security clearance records for all contractor personnel.
- Work completion and warranty certificates.

_____End of Scope of Work_____