

NAME OF WORK : PATCH STRUCTURAL REPAIR WORK OF LOOSE PLASTER AND CONCRETE COVER OF PODIUM OF M-1, M-2 & S-TOWER AT SBI COLONY, NERUL, NAVI MUMBAI.					
General Notes-					
i	The serviceable and unserviceable materials shall be stacked separately and properly in the designated place and to be stacked/stored at designated till the disposal / reuse of the same. The debris is to be carted outside the premises and disposed off at the Municipal Corporation designated place up to any lead, lift and level at his own cost.				
ii	All the civil work has to be carried with Minumum 53 grade OPC cement and river sand of required fineness, which must be free from silt and other impurities				
iii	All the civil work , whether new or repair, must be cured for at least 7 days or as per latest IS codal provisions.				
iv	For all work, water to be use must be fresh and pure without any salinity and turbidity.				
v	The rates quoted for all the items of the BOQ shall include the following specifications: -				
a	All the works are to be carried out at all heights and locations i.e. from Ground Floor of the building up to the podium top as applicable.				
b	Providing & fixing temporary support arrangements such as Steel Props (Up to any number whenever and wherever as directed by the Engineer Incharge) to support the structure provisionally during repairs and structural works etc. and maintaining the props in position till required & as directed by the consultant including other safety elements such as bracings, steel angles, working platforms, plates etc., which shall be provided & considered in the quoted rates for the areas in the vicinity in adequate numbers as directed. All the civil & structural Repair works indicated herein under shall include all leads & lifts & working up to any heights, depths & levels.				
c	The Contractor has to make arrangements at his own cost to tie a approved quality safety net at working locations so that loose plaster/ concrete does not cause damage to the adjacent property or any human being, if necessary and removing the same after completion of work.				
d	Providing all type of PPE to the workforce such as safety shoes, safety helmets, reflective safety jacket, full body safety harness, goggles, gloves, etc. complete for all types of workforce engaged on site for execution of the work.				
e	Contractor has to make arrangements at his own cost to cover working area with Hessian cloth curtains so that not cause any damage to the existing near by property and take care of dust control. Also all the windows, glass panes, other openings are to be covered with tin sheets / 6mm plyboards and all the flooring are to be covered with ready protective plastic sheet if required and carefully removing them after completion of work.				
f	Rates shall be inclusive of all enabling works like all safety measures, scaffolding, labour camp, storages, godowns, all required permissions from local governing respective authorities to carry out works, all insurances, all licences, administration, all SHE related measures, security, watch and ward measures, barricades other than specified , traffic management, tree protection, property damage repairs, water, electricity, DG as per requirement, all tools, machineries, vechicles, etc complete.				
g	All rates should be inclusive of all loading, shifting, all leads, lifts, sorting, transportation, labours, tools, plants, machinery, etc. complete.				
h	All the above-mentioned points including the requisite elements & items as mentioned shall be considered included within the quoted rates of the line items of the BOQ and nothing extra would be paid on this account.				
i	Rates are inclusive of all scaffolding required for the said works.				
Sr. No.	Description of the item	Unit	Quantity	Rate	Amount
1	STRUCTURAL POLYMER REPAIR (UPTO 30mm THICKNESS) :- Removing carefully the old loose/damaged concrete on RCC columns, beams, Slab at all level including cleaning the site and carting away the same outside the building compound upto the municipal dump with required municipal permision & all lead and lift, scaffolding, jute kantan, safety net etc. complete as per the direction of Consulting Engineer / in-charge. Applying Polymer Treatment as per the follwing process on indentified location. 1) Rust Remover Removing loose rust from the reinforcement bars by wire brushing, light hammering etc. and applying sulphate and chloride free inorganic single component rust remover Rusticide as approved by Engineer incharge conforming to IS 9077. The rusted surface shall become blackish nonrusted colour. After 24 hours of application of rust remover, loose particles shall be removed by brush. Apply one more coat of Rusticide exposed reinforcement bars.	Sqm	300.00	1500.00	450000.00
	2) R.I. Coat Providing and applying Rust Inhibition Coat / system to exposed rebars & also new rebars complete.				
	3) Bond coat Providing and applying raw Polymer Bond Coat / system in ratio 1:1 Cement : Polymer to all exposed concrete surface and rebars prior to polymer treatment complete.				

	4) P.M.M. Providing and applying by handpack only, polymer modified mortar must be forced tightly into the substrate to ensure complete contact with the substrate. (If scaffolding is required, same shall be provided) Polymer modified mortar in ratio 1:5:15 (1 part by weight of polymer: 5 parts by weight of cement: 15 parts by weight of Quartz sand (50:50 Mideum and smalllar size) up to 30 mm thickness (The Polymer Modified Mortar(PMM) should attain min. compressive strength of 20 N/mm2 in 1 day and 30 N/mm2 in 7 days) all complete as per the direction of Consulting Engineer / in-charge. All the mixing should be done in mixing tray only and as per the weight ratio given of PMM. also mixed material to be used within 1 hour time. Note:- No Saperate payment for Scaffolding Should be made for this item.				
2	<u>SAND FACE PLASTER:</u> Breaking of plaster by breaker machine or manually of any thickness and at all levels, & Removing all debris, spalls, including cleaning the site and carting away the debris outside the building compound upto the municipal dump with required municipal permission & all lead and lift, cleaning of exposed surface Providing and applying sand face plaster externally in two coats (including Dash Coat plaster in C:M. 1:4 upto required thickness to concrete or brick surface in all positions including racking out joints, curing etc. complete.) using approved screened Gujarat river sand in all positions, including providing base coat of 15 mm thick in cement mortar 1:4 mixing approved water proofing compound at the rate of 1 kg./ 50 kg. of cement and curing the same for not less than two days and keeping the surface of base coat rough to receive the sand faced treatment 8 mm thick in cement mortar 1:4 and finishing the surface by taking out grains and curing including preparing the surface, watering, scaffolding, jute kantan, safety net etc. complete as per the direction of Consulting Engineer / in-charge.	Sqm	350.00	800.00	280000.00
3	<u>ELASTOMERIC BASED PAINT</u> Providing and applying one coat base coat then apply Primer and two OR More coat of Elastomeric Paint of approved brand of Asian Paints, ICI Dulex, and Berger Paints including all cost for labour, material, scaffolding, etc Completes as per the direction of Consulting Engineer / in-charge.	Sqm	500.00	250.00	125000.00
Total					855000.00
Rate quoted Below(-)/Above(+)/At PAR (%)					
Total Final Quoted Amount (Rs.)					
In words					
Extra GST as Applicable					