

SCHEDULE OF QUANTITIES : STRUCTURAL REPAIR WORKS AT NS ROAD, MULUND WEST, MUMBAI

A		STRUCTURAL REPAIR & CIVIL WORK				
SR.NO.	MCGM SOR CODE	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
DISMANTLING AND DEMOLISHING WORKS						
1	R2-CS-DD-56	Removing any existing water proofing layers of l. P. S. with bituminous joints and brick bat concrete over the existing terrace floor, chajja, top of headroom slab and canopy including cement vata and exposing R.C.C. slab top complete.	270	SQMT		
2	R2-CS-DD-65	Removing cement plaster of any finish from the wall, complete with racking out the joints to a depth of 20 mm.	1400	SQMT		
3	R2-CS-DD-53	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all loads including all lifts involved.	500	CUMT		
4	R2-CS-CH-2	Providing and erecting two legged metal tubular scaffolding (cup lock type) of width 1200 to 1500mm largely free standing using H frames of tubular pipes of minimum 40mm diameter, with base plates fixed or adjustable with necessary clamps, couplers, brackets for projections, joint pins, pulleys and other accessories including steel angle or tubular pipe bracings at adequate intervals, access platforms of metal or timber planks of span not exceeding 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube chalis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work including provision of rubber inserts to pipe ends at point of contact with structure to avoid damage, including ccess ladders with intermediate platforms. the scaffolding to be suitably braced and anchored to the building using support systems created temporarily at the opening in walls using verticl and horizontal adjustable propson the exterior side of building structure, upto 25 metre height, above ground level . The rate includes provision of high density plastic sheets covering to protect architectural details on the entire building face a nylon net to prevent all debris falling onto the pavement required and the safety platform at ground level coevering the pedestrain walkways. etc. complete.(The elevational area of the scaffolding shall be measured for payment purpose.The payment will be made once only for execution of all items for such works.	850	SQMT		
5	R2-CS-CW-54	Chipping /removing loose concrete upto reinforcement bars, without damaging the reinforcement, removing all the loose materials and to make all the exposed surfaces free from oil, dust and all impurities etc complete.	1000	SQMT		
6	R2-CS-CW-55	Removing corrosion of steel reinforcement by mechanical means like wire brushing, chipping to remove loose rust and then applying rust removal solution by using brush application, leaving the surface for at least 15 to 30 minutes, then removing loose materials by scrubbing or with brush and applying polymer bond to the old concrete surface before applying Polymer mortar.	1000	SQMT		
7	R2-CS-CW-56	Providing and applying Ready mix Polymer modified cement mortar of average thickness 15mm using Polymer in one or more layers in proportion 1:5:15 of Polymer Cement Quartz Sand as manufacturer's specifications in specific layers, curing the surface after 72 hours of application with wet gunny bags etc and by finishing the surface with 12mm thick (1:3) Cement sand plaster	1000	SQMT		
8	R2-CS-CW-45	Providing Ready mix Micro Concrete jacketing to walls or beams of thickness upto 75 mm using Polymer modified cement premixed quartz sand aggregate packed in bags of standard manufacture, for high early strength of 40 N /mm sq.cm of approved brand. The dry product is to be mixed with 12.5% water by weight, along with washed and poured into rigid form work moulds & tamped properly, & cured for 3 days. [Payment is to be made by weight premixed of micro concrete product consumed as per site register records. No extra payment shall be made for shuttering or any other material.	10000	KGS.		
9	R2-CS-PL-17	Providing and applying 25 mm thick (average) external sand faced cement rough cast plaster upto 10m from ground level and at all locations in cement mortar 1:4 in two coats for masonry (except stone masonry) and concrete surfaces including, providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, providing bands, drip moulds, grooves etc. finishing, curing, scaffolding etc complete as directed By Engineer In Charge	400	SQMT		

10	NON SOR	SEALING SEPARATION GAPS: Providing & sealing separation cracks between RCC and brick work by cutting groove on both sides crack along the length by electrically operated groove cutter Breaking / removing plaster & loose mortar (up to 75mm depth) in the area between two grooves by chiseling. Washing by potable water to make it dust free surface. Hammering 10 to 20mm size aggregates in the crack as directed by the consultant. Sealing the crack with polymer modified cementitious. Mortar Up to 50mm depth in two layers 1:5.15. mi	100	RMT		
11	R2-CS-CW-35	Providing and fixing in position steel bars reinforcement of various diameters for R.C.C. pile, pile caps, footings,raft,retaining wall,shear wall, lift wall, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, pardies, coping, fins, arches, etc. as per detailed designs, drawings and bar bending schedules,including straightening, cutting, bending, hooking the bars, binding with wires or tack welding, supporting as required etc. all complete at all levels.				
11A	R2-CS-CW-35-d	Thermo-Mechanically Treated steel bars. (Fe 600 D)	2	M.T		
12	R2-CS-WP-23	Waterproofing the terrace slabs with average 100 mm thick, brick bats laid in cement mortar bed 1:4 filled with mortar 1:4 of total thickness 100 mm, laid to slope (1:100) with vata 15 cm, at the junction of walls and IPS flooring (1:2:3) 40 mm thick with admixture, of approved water proofing compound, as per manufacturers specification laid after grouting the slab, finishing curing etc. complete as directed and specified. (Horizontal measurement clear between walls will be paid for)	270	SQMT		
13	R2-CS-PL-07	Providing and applying 12 mm thick internal plaster with neeru finish by using ready-mix mortar as per manufacturers recommendations at all heights and locations for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc. complete.	1000	SQMT		
14	NON SOR	Drilling holes upto 60 mm long in RCC, providing and fixing 115 mm long, Mild steel anchor dowels of diameter upto 12 mm and filling the hole with polymer mortar complete or as instructed by the consultant.	250	NOS		
15	NON SOR	STEEL M.S. PROPS:- Providing & Fixing steel props with wooden runners (3" x 3") at top & bottom to support beam, slab, chhajja, balcony etc. as per instruction and as directed by consultant etc. complete.	50	nos		
16		PROVIDING AND FIXING PVC PIPE:Providing and fixing new PVC pipes after removing the existing plumbing lines, filling the joints with PVC Solvent Cement with Nails, cutting holes in walls complete as instructed by the engineer.				
A		4" dia R/W	40	RMT		
B		3" BATH LINE	60	RMT		
C		2 1/2" VENT	10	RMT		
D		4" dia W.C	40	RMT		
17	R2-CS-PS-87	Providing and fixing Chlorinated Polyvinyl Chloride (UPVC) pipes, having thermal stability for hot & cold water supply including all UPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step UPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.				
A	R2-CS-PS-87-c	1" DIA	150	RMT		
B	R2-CS-PS-87-b	3/4" DIA	60	RMT		
C	R2-CS-PS-87-d	1 3/4 "DIA	15	RMT		
18	R2-CS-FL-38	Providing and fixing polished natural stone slab as specified below of approved quality, pattern and colour for treads/riser including preparing the surface and levelling in the desired line, in cement mortar 1:4, cement float, machine cutting, leveling, jointing, smooth cement plastering along the sides to match the existing surface in cement mortar 1:3, filling the joints with neat cement or pigment mixed with cement, polishing, finishing, curing etc complete as directed by Engineer In Charge.				

18A	R2-CS-FL-38-e	15 to 20mm thk. Green marble for width upto 300 mm	85	RMT		
18B	R2-CS-FL-21-e	15 to 20mm thk. Green marble for height upto 150mm	85	RMT		
EXTERNAL & INTERNAL PAINTING						
19	R2-CS-PN-12	Providing and applying first single coat of approved primer and two coats of anti-algal, anti-fungal, exterior paint as specified below of an approved make and colour as per manufacturers specifications to any surface, upto 10m height from ground level and at all locations as directed including preparing surfaces for painting by any approved means, scaffolding, cleaning and curing etc. complete as directed by Engineer-in-charge.				
	R2-CS-PN-12-a	By using acrylic based exterior paint	800	SQMT		
20	R2-CS-PN-3	Providing and applying first single coat of approved primer and two coats of acrylic distemper (oil bound distemper) of an approved make and colour as per manufacturers specifications to any surface, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting with broom by any approved means, etc. complete as directed by Engineer-in-charge	200	SQMT		
21	R2-CS-PN-4	Providing and applying first single coat of approved primer and two coats of synthetic enamel paint/flat oil paint of an approved make and colour as per manufacturers specifications to surfaces specified below, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge.				
	R2-CS-PN-4-c	For steelwork	100	SQMT		
FLAT RENOVATION						
1	R3-CS-FL-8	VITRIFIED TILES FLOORING - Remove of Existing flooring & crating of debris away from the site, Providing and laying new flooring with 2' x 2' Vitrified tiles of approved make and shade (Johnson/ Kajaria/ Nitco/Somany) over bed mortar C.M 1:5 (20 mm average thickness) , set with cement slurry and joints grouted with water proof jointing compounds of approved make and quality. The rate shall include skirting all wastages, machine cutting. (Basic Rate =50/-per sqft)	810	SQMT		
2	NON SOR	Providing and fixing fully glazed aluminum framed sliding window with Marble framing and anodized sliding section of JINDAL or HINDALCO with 5mm thick plain glass including fixtures like superior quality nylon rollers, SS screws, etc. EPDM gasket, providing and fixing all fittings complete or as instructed by the consultant	50	SQMT		
3	NON SOR	PRO. & FIX DOOR GRANITE FRAME Providing and fixing double marble Patti in step design at Door area wherever necessary including fixing of marble and cleaning with all labour & material	550	RMT		
4		PROVIDING DOORS FOR TOILET/BATH :- providing & fixing 25mm thick Readymade PVC door of appropriate size complete or as instructed by consultant	16	NOS		
5	R3-CS-PL-61	PROVIDING NEW KITCHEN PLATFORM : Removing old existing platform, carting away the debris and Providing and fixing 18mm thick mirror polished granite slabs (COLOUR as approved by client) of approved quality over the Cuddapah slab over a bed of C.M 1:4 (for an average thickness of 30 mm) set with cement slurry and joints grouted with pigmented white cement to match the shade of granite slab, for kitchen platform, P&F support made out of 2 nos. ¾" thick sandwich Cuddapah stone at appropriate distance. The support shall be provided with ¾" thick shelf and platform top covered with granite in CM. All the exposed edges of the platform shall be provided with granite fascia matching in colour, design with the existing granite including filling joints with cement slurry, polishing, cleaning & half round molding to the up stand of platform. Openings of suitable size to accommodate S.S sink (Nirali Grace plain - large (10") - 610X460mm Satin finish -) shall be made on the slabs. The sink shall be fixed in countersunk model and edges along the four countersunk open sides shall be half rounded and polished to get mirror finish. (The rate including of sink & fixing considered). Edge visible on the front side of the slab shall be half-rounded and exposed surfaces shall be polished to get mirror finish. The joint between sink and granite shall be finished with metallic paste. The slab shall be inserted into the wall at junctions with the wall by a minimum of 25mm and grouted properly. The rate shall be inclusive of wastages.	24	RMT		

6	R3-CS-FL-82	KITCHEN WALL TILES : providing & fixing 200 X300 X6mm Thick Ceramic tiles of approved make and shade over back mortar C.M 1:4(25mm average thickness) for wall set cement slurry and joint grouted with water proof jointing compounds of approved make quality .the rate shall include all wastage, machine cutting of holes for inserting spouts for gas tubes necessary etc. complete (basic rate =50 per sqft)	150	SQMT		
7		FLOOR TILES FOR BATHROOM				
	R3-CS-FL-06-d	Breaking of existing flooring, & making the site bare including transportation of debris from site to a municipal dump, Providing & Fixing Anti-Skid Ceramic tile of required size(1'x1' for Flooring and 12" x 8" for wall upto 3 ft height) in pattern fixing with 20mm thick 1:4 cement mortar as required with all joints in proper line as per design, specification and drgs or as instructed by the consultant.(Johnson, Sonora, Kajaria)				
		(Basic rate 50/-per sqft)	150	SQMT		
8	WP-47-DD-56	TOILET/BATH WATERPROOFING				
		Removing existing waterproofing layer & Providing and water proofing using old bricks to the Bath block surfaces of RCC slab as exposed will be cleaned and an average ½" thick waterproofing plaster in C.M. 1:4 will be carried out. Over this surface brick pieces in varying heights will be arranged to give slope of 1 in 120. Cement waterproofing mortar in 1:4 cement to sand proportion will be packed in gaps above and top surface about brickbat will be finished in ¾" thk waterproof plaster and top surface will be given marks of broom to make it rough for receiving white glazed tiles. Top surface will be cured with water for 7 days OR as instructed by the Engineer. Item includes carting debris away from site.	180	SQMT		
9	FL 82	DADO TILES :(WALL TILES)				
		Breaking of existing Wall Tiles making the site bare including transportation of debris from site to a municipal dump, Providing & Fixing DODO tile of required size for wall in pattern fixing with 20mm thick 1:4 cement mortar as required with all joints in proper line as per design, specification and drgs or as instructed by the consultant.(Johnson, Sonora, Kajaria)(basic rate =50 per sqft	260	SQMT		
10	NON SOR	PROVIDING & FIXING W.C PAN				
		Providing and fixing W.C (EUROPEAN) Pan of approved brand of required size and shape with all necessary fittings including labour and material complete or as instructed by the consultant .(Hindware / Parryware)	8	NOS		
11	NON SOR	PROVIDING & FIXING WASH BASIN				
		Providing and fixing wash basin of size 18" x 22" after dismantling the existing basin with all necessary fittings including labour and material complete or as instructed by the consultant.	8	NOS		
12	NON SOR	PROVIDING & FIXING JET SPRAY : Providing and laying new JET SPRAY of approved brand in bathroom/toilets with all labour and material complete or as instructed by the consultant	8	NOS		
13	NON SOR	PROVIDING & LAYING NAHANI TRAP				
		Providing and laying new Nahani trap inside the toilet with all labour and material complete or as instructed by the consultant	12	NOS		
14	NON SOR	PROVIDING & FIXING BIB COCK				
		Providing and laying new Bib cock of approved brand inside the toilet with all labour and material complete or as instructed by the consultant.	20	NOS		
15	NON SOR	PROVIDING & FIXING TOWEL ROD				
		Providing and laying new TOWEL ROD of approved brand inside the toilet with all labour and material complete or as instructed by the consultant.	8	NOS		
16	NON SOR	PROVIDING & FIXING SHOP DISH				
		Providing and laying new SHOP DISH of approved brand inside the toilet with all labour and material complete or as instructed by the consultant.	8	NOS		
17	NON SOR	PROVIDING & FIXING TISSUE PAPER HOLDER				
		Providing and laying new TISSUE PAPER HOLDER of approved brand inside the toilet with all labour and material complete or as instructed by the consultant	8	NOS		
18	NON SOR	PROVIDING & FIXING TWO IN ONE MIXTURE				
		Providing and laying new TWO IN ONE MIXTURE of approved brand inside the toilet with all labour and material complete or as instructed by the consultant	8	NOS		
19	NON SOR	PROVIDING & FIXING PILLAR COCK				
		Providing and laying new PILLAR COCK of approved brand inside the toilet with all labour and material complete or as instructed by the consultant	8	NOS		
20	NON SOR	PROVIDING & FIXING BASEN COCK				
		Providing and laying new BASEN COCK of approved brand inside the toilet with all labour and material complete or as instructed by the consultant	4	NOS		
21	NON SOR	PROVIDING & FIXING OVER HEAD SHOWER				
		Providing and laying new OVER HEAD SHOWER of approved brand inside the toilet with all labour and material complete or as instructed by the consultant	8	NOS		
22	NON SOR	PROVIDING & FIXING DOORS:				

		Providing & fixing water proof double moulded plywood doors to Entrance/ Kitchen & Balcony all complete labour & Material with laminate & brass fittings & Fixture or as Instructed by Consultants.				
		1.Entrance door size 7'0" x 3'0" (35 mm thick)	8	NOS		
23	NON SOR	PROVIDING & FIXING SINK COCK				
		Providing and laying new Sink cock of approved brand with all labour and material complete or as instructed by the consultant. J SHAPE SINK MIXER	4	NOS		
24	CS-PN-5	PLASTIC PAINT : Thoroughly scraping and cleaning plastered surfaces and removing old loose flakes of existing paint in case of old plaster and apply over the same two coats of Oil Bound Distemper paint after primer coat as directed to the walls/Ceiling of common staircase area etc. complete as directed.	2000	SQMT		
ELECTRICAL WORK						
		ELECTRICAL : Supply, Installation, Testing & Commissioning of Light Point wiring using 1100 Volts grade with 3 Nos. 1.5 Sq.mm. copper PVC insulated FRLS wire in surface/recess PVC conduits of 25 mm dia, medium class, with modular switch, modular plate, GI Box, sockets etc.				
		All the wiring below ceiling on wall must be open patti wiring. All the drops wire from the junction box to the light point must be in flexible pipe with gland at the junction box.				
		Rate quoted must include the cost of circuit wiring from DB Switchboard and switchboard to switchboard, switches, concealed box, plate and required accessories viz. switches/sockets.				
		Approved Make : Legrand Myrius/ Northwest/ Anchor Roma				
25	NON SOR	Light point	48	NOS		
26	NON SOR	fan point	16	NOS		
27	NON SOR	socket 5AMP	24	NOS		
28	NON SOR	15 AMP POWER PLUG POINT	24	NOS		
29	NON SOR	A.C POINT	8	NOS		
30	NON SOR	TV POINT	8	NOS		
31	NON SOR	TWO WAY SWITCH	16	NOS		
32	NON SOR	4MM CIRCUIT WIRING	600	RMT		
33	NON SOR	4 MM CABLE 3 CODE MAIN LINES	36	RMT		
34	NON SOR	2.5 MM CIRCUIT WIRING	600	RFT		
35	NON SOR	MC BOARD	4	NOS		
36	NON SOR	LED TUBELIGHT FITTING 20W	48	NOS		
37	NON SOR	FAN FITTING	16	NOS		
38	NON SOR	GEYSER POWER POINT	8	NOS		
					GRAND TOTAL AMOUNT	

GRAND TOTAL IN WORDS: