



MAZAGON DOCK SHIPBUILDERS LIMITED

(Formerly known as Mazagon Dock Ltd.)

CIN : U35100MH1934GOI002079

(A Government of India Undertaking)

Shipbuilders to the Nation

Dockyard Road, Mazagon,

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INDIA

Demolishing and Reconstruction of Boundary Wall behind Mogul House, South Yard, MDL and Boundary Wall behind Cable Store 'A' at Anik Chembur Yard along with repair of Boundary wall from Main Gate to Security Tower no. 8 at Anik Chembur Yard, MDL.

VOLUME-III

**Scope of Work, Tender Drawings
& Price Bid (Part-II)**

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1 BRIEF SCOPE OF WORK:

Subject: 1) Demolishing and Reconstruction of Boundary Wall behind Mogul House, S.Y., MDL.

2) Demolishing and Reconstruction of Boundary Wall behind Cable Store A and Repair of Boundary wall from Main Gate to Security Tower no. 8 at Anik Chembur Yard, MDL.

1. Boundary Wall behind Mogul House, South Yard, MDL:

1. Dismantling existing damaged Pre-cast RCC wall portion (Part A, B & C) upto existing Plinth beam level only. Existing Foundation & Plinth beam is to be retained and new RCC framed brick masonry wall is to be constructed.
2. Providing & laying RCC M30 grade concrete (RMC) for beams, columns, trench etc. and fixing reinforcements as per the drawings and specifications.
3. Providing & laying brick masonry wall and 20mm thick waterproof cement plaster on both sides of wall.
4. Painting of entire wall surface on both sides with Premium Acrylic smooth exterior paint.
5. Dismantling existing fencing and Fixing GI barbed wire fencing and Concertina coil on the top of entire wall length.
6. Dismantling damaged brick masonry, damaged wall plaster portion of part D wall and applying new waterproof cement plaster in patches, new brick work etc.
7. Providing raised and cut pointing on existing stone work as per the requirement.
8. Providing RCC trench along the wall in the available length for service lines along with M S gratings on the top of the trench.
9. Carting away all debris such as dismantled RCC/PCC members, building rubbish etc. from MDL premises to Municipal Dumping Ground and rebate for MS scrap.

2. A. Boundary Wall behind Cable Store A at Anik Chembur Yard, MDL.

1. Dismantling existing entire wall behind Cable store A along with footings, brick masonry, fencing etc.
2. Fixing temporary barricading of Galvalume sheets along with gates by using MDL supplied old sheets and structural steel.
3. Providing & laying PCC M15 grade concrete and RCC M30 grade concrete (RMC) for foundation, beams, columns etc. as per the drawing.
4. Providing & laying 230mm thick brick masonry wall and 20mm thick waterproof cement plaster on both sides of wall.

5. Painting of wall surface on both sides with Premium Acrylic smooth exterior paint.
6. Dismantling existing fencing and Fixing GI barbed wire fencing and Concertina coil on the top of entire wall length.
7. Providing & laying PCC for plinth protection along the length of wall.
8. Carting away all debris such as dismantled RCC/PCC members, building rubbish etc. from MDL premises to Municipal Dumping Ground.

B. Repair of existing Boundary Wall from Main Gate to Security Tower no. 8 at Anik Chembur Yard, MDL.

1. Dismantling damaged RCC, plaster, Brick work etc.
2. Providing and applying bond coat, rust removal, anti corrosive compound on exposed concrete & steel surface.
3. Providing & applying Polymer Modified Mortar (PMM) & micro concrete for repair of damaged RCC portions.
4. Providing and applying patch plaster on damaged plaster portions and applying Acrylic smooth exterior paint on entire wall on both sides.

The detailed scope of work has been indicated in the Bill of Quantities (BOQ) Price Bid Part-II at Enclosure-1.

2 TENDER DRAWINGS:

Sr. NO	TITLE	TENDER DRAWING NO
01	Boundary wall Anik Chembur Yard	MDL/IP/Anik/Civil - 01
02	Demolishing and Reconstruction of Boundary Wall at ACY	MDL/IP/Anik/Civil - 02
03	Boundary Wall Behind Mogul Behind House	MDL/IP/Mogul/Civil - 01
04	Wall Section details Boundary Wall at Mogul House	MDL/IP/Mogul/Civil - 02

The above Tender Drawings in PDF form are attached separately along with Tender Document.

Enclosure-1

PRICE BID (PART-II)
BILL OF QUANTITIES
(To be submitted online)

Sub: Demolishing and Reconstruction of Boundary Wall behind Mogul House, South Yard, MDL and Boundary Wall behind Cable Store 'A' at Anik Chembur Yard along with repair of Boundary wall from Main Gate to Security Tower no. 8 at Anik Chembur Yard, MDL.

Ref: MDL Tender No. 180000030

INSTRUCTION TO THE BIDDER:

1. The Work Contract Tax (WCT) under VAT and Service Tax **IS NOT INCLUDED** in the rates indicated below for this section. Bidder is required to quote Work Contract Tax (WCT) under VAT and Service Tax including Swachh Bharat Cess and Kisan Kalyan Cess separately in Percentage which will be added to the rate quoted for this section.
2. Bidder to note Clause No. 2 (Defect Liability Period), Clause No 3 (Performance bank Guarantee), Clause No 6 (Prices and Taxes) & Clause No 14 (Insurance) of Volume II before quoting.
3. MDL reserves the right to increase the quantity of any item in the BOQ to any extent provided the increase in the total Estimated Amount due to this change in the quantity over BOQ quantity multiplied by specified rate for all the items put together do not exceed 25% of the Accepted Contract Value. Bidder to note Clause No 12 of Volume II before quoting.
4. Bidder's quoted amount at Item no 68 towards rebate of Dismantled MS scraped shall be recovered from the Contractor's Running Account bills as applicable. Bidder to note Clause No 5.1.4 of Volume II before quoting.

It. No.	Description	Unit	Quantity	Final Rate (Rs.)	Amount (Rs.)
A	Anik Chembur Yard				
I)	Demolition Work:				
1	Demolishing carefully R.C.C./ P.C.C work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-charge	Cum	400.00	1661.55	664620.00
2	Exposing existing old and worn out RCC column, beams and slabs etc upto main reinforcement carefully by means of chisel and hammer including necessary scaffolding, stacking the same on ground within MDL premises etc. complete as directed. (Surface area exposed after final chipping chiseling etc shall only be measured and paid for)	Sqm	800.00	82.42	65936.00
3	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer -in -charge.	Sqm	850.00	577.04	490484.00
4	Dismantling and stacking within 50 metres lead, M.S. angle fencing posts or struts	Each	160.00	126.83	20292.80

	including dismantling of concrete in base etc.				
5	Dismantling barbed wire, concertina coil, flexible wire rope etc. in fencing including making rolls and stacking within 50 metres lead.	Kg	300.00	17.23	5169.00
6	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	Cum	310.00	961.84	298170.40
7	Dismantling carefully damaged portion of cement plaster of any finish from the wall, ceiling, beams etc & raking out the joints to a suitable depth up to 20mm depth & stacking the dismantled material within 50 m lead etc.complete.	Sqm	1050.00	25.64	26922.00
8	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50metres lead.	Kg.	1000.00	2.75	2750.00
II)	Civil Work:				
9	Earth work in excavation by Mechanical means (Hydraulic excavator) / Manual means in all kind of soil upto 1.50m depth including in or under water and/or liquid mud, including pumping out water as required including disposal of excavated earth upto 50 m lead and lift upto 1.5 m.	Cum	1050.00	248.30	260715.00
10	Extra for every additional depth/ lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.	Cum	150.00	58.97	8845.50
11	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	1000.00	143.36	143360.00
12	Supplying, providing and laying dry stones pitching/ soling of 225mm thick including preparation of surface complete.	Sqm	660.00	563.34	371804.40
13	Providing and laying in position ready mixed plain cement concrete M-15 grade plain cement concrete (cement content considered @ 240 kg/cum), using fly ash and cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing	Cum	110.00	7613.40	837474.00

	strength and durability as per direction of the Engineer - in - charge. Note:- 1) Excess/less cement used than specified in this item is payable/ recoverable separately. (2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement is to be ensured in accordance with clauses 5.2 and 5.2.1 of IS: 456 -2000 in the items of BMC and RMC.All works upto plinth level :				
14	Providing & laying Plain Cement concrete (PCC) including curing but excluding the cost of centering & shuttering etc;complete as directed.---- UPTO PLINTH LEVEL,PCC (1:2:4)	Cum	5.00	6951.41	34757.05
15	Providing and laying in position ready mixed M-30 grade concrete for reinforced cement concrete work, using fly ash and cement content as per approved design mix, and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering, recommended proportions as per IS : 9103 to accelerate / retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. NOTE- (1) Cement content considered in this item is @ 340 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately. (2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement to be ensured in accordance with clauses 5.2 and 5.2.1 of IS:456 -2000 in the items of BMC and RMC.				
15.1	All works up to Plinth level.	Cum	105.00	8519.74	894572.70
15.2	All works above Plinth level upto floor V level.	Cum	75.00	9435.75	707681.25
16	Centering and shuttering including strutting, propping etc. and removal of form for :				
16.1	In Foundations, footings, bases of columns, etc. for mass concrete	Sqm	560.00	263.27	147431.20
16.2	Lintels, beams, plinth beams, chajjas, girders, bressumers and cantilevers.	Sqm	600.00	437.56	262536.00
16.3	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	600.00	597.45	358470.00
17	Providing & fixing in position reinforcement TMT bars including straightening, cutting, bending, placing in position & binding with binding wires / welding where ever necessary etc. all	Kg.	25000.00	93.92	2348000.00

	complete as directed at any locations (Lapping / chairs will be meas				
18	Providing Brick masonry with conventional / IS type bricks of grater than one brick thickness SET IN CEMENT MORTAR (1 : 4) including scaffolding, watterring, racking out joints etc. complete - In superstructure upto floor V level	Cum	230.00	7805.63	1795294.90
19	Repairs to plaster of thickness 12 mm to 20 mm in patches old area 2.5 Sq.M. with Cement mortar 1 : 4 (1 cement : 4 Fine sand)And under curing the patch in proper shape, raking out the joints and prepering and plastering the surface of the walls etc. complete.	Sqm	1200.00	312.35	374820.00
20	Providing and applying 20 mm thick waterproof cement plaster(1:4) in two coats for external surface mixed with approved waterproofing material as per manufacturer specification, curing etc; upto 10m height etc. all complete as directed.	Sqm	4000.00	316.02	1264080.00
21	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade of approved make (Two or more coats applied @ 1.43 ltr/ 10 sqm. over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm).	Sqm	6250.00	127.12	794500.00
22	Supplying and applying pre tested and approved water based concrete Pigmented wet curing compound to concrete/ masonry surface, all as per manufacturer's specification and direction of Engineer-in-charge.	Sqm	4000.00	160.73	642920.00
23	Removing existing corrosion in MS/ torsteel bars by means of suitable light tapping wire brushing and applying rusticide rust converter of "Feovert" of Krishna conchem or equivalent approved make etc complete	Litre	70.00	204.87	14340.90
24	Providing and applying two coats of Rust preventive coating of IPNET of Krishna Conchem or equivalent approved make after cleaning the existing surface from dust/ loose particles by applying air water under pressure etc complete as directed	Litre	200.00	477.83	95566.00
25	Providing and applying Bonding coat between concrete members like RCC slabs, columns, beams, Chajjas, pardis etc and cement mortar plaster using HACK AID PLAST of M/s. Sunanda Speciality Coatings Pvt. Ltd. or equivalent as per the instructions of manufacturer or Engineer Incharge; including cleaning the concrete surface thoroughly to remove dust, dirt, grime, deshuttering oils and rub down to a clean surface at all heights/ levels and locations and as directed by Engineer Incharge.	Sqm	2200.00	53.39	117458.00
26	Providing and applying POLYMER	Kg	35000.00	122.89	4301150.00

	MODIFIED MORTAR(PMM) in proportion of 1(Polymer) : 5(Cement) : 15 (Quartz sand) by weight with water cement ratio of 0.35 including application of bond coat of Krishna Conchem or equivalent using brush in ratio of 1 (Polymer) :1 (Cement) : 0.35 (water) by weight including cleaning of surface with air mixed with water under pressure, and subsequent layer upto 10mm after hardening curing; all complete.(Polymer manufactured by sunanda, pidilite, fosroc, acro- chem, build core or equivalent)				
27	Providing & laying micro concrete of Polycrete "A" of M/s. Sunanda or equivalent approved make using 12.5% of water by weight of polycrete mix or as per manufacturer's specification over a bond coat of approved make in the ratio of 1 polymer: 1cement, curing etc; all complete at any location / Height and as directed by Engineer In-charge etc. complete.	Kg	45000.00	28.49	1282050.00
28	Providing welded or bolted structural steel work in single section with or without connecting plate including cutting, hoisting, fixing in position, scaffolding and applying a priming coat of approved steel primer, all complete.	Kg	550.00	94.42	51931.00
29	Providing and applying Two or more coats of synthetic enamel paint of approved brand and manufacutre of required colour to give an even shade including the cleaning the surface and scaffolding complete and including rakes/storage platforms	Sqm	50.00	89.05	4452.50
30	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	meter	265.00	401.26	106333.90
31	Providing & fixing GI brackets/ spacers of 200mm size for fixing the service lines-PVC/CI pipes, cables with U bolts etc. including fixing the same on walls with nails by drilling the holes etc. complete as per directed by Engineer in-charge.	Nos	250.00	335.42	83855.00
32	Carriage of Building rubbish by mechanical transport including loading,	Cum	1000.00	539.08	539080.00

	unloading and carting away up to Municipal Dumping Ground. (Building rubbish includes excavated unserviceable material, dismantled concrete, plaster work, asphalt concrete, dismantled plaster. etc.)				
III	Temporary Barricading work				
33	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. - Steel supplied by MDL	Kg	12000.00	24.84	298080.00
34	Fixing corrugated G.S./G.I/Galvalume sheet for temporary barricading during construction of new wall including vertical/ curved surface fixed with polymer coated J or L hooks, bolts and nuts washers or with G.I. limpet washers filled, including cutting to size and shape wherever required and as directed by Engineer In-charge etc. complete. -Note: Only sheeting material (old galvalume/GI sheets) will be supplied by MDL. Necessary fittings viz. screws, nut, bolts, hooks, washers etc. are to be provided by contractor.	Sqm	1000.00	161.05	161050.00
35	Dismantling carefully existing G.S./G.I/Galvalume Sheet cladding of temporary barricading without any damage including dismantling of structural steel framing of vertical supports, horizontal bracings, cross bracings, etc. and stacking the serviceable materials within MDL premises tc. complete & as directed by Engineer In-charge.	Sqm	1000.00	80.22	80220.00
	Total of Anik Chembur				19957173.50
B	Mogul House, South Yard				
I)	Demolition Work:				
36	Demolishing carefully R.C.C/ Precast/ PCC work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge	Cum	200.00	1661.55	332310.00
37	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer -in - charge.	Sqm	650.00	577.04	375076.00
38	Extra for scrapping, cleaning and straightening reinforcement from R.C.C. or R.B. work.	Kg	600.00	4.52	2712.00
39	Dismantling and stacking within 50 metres lead, M.S. angle fencing posts or struts including dismantling of concrete in base etc.	Each	180.00	126.83	22829.40
40	Dismantling barbed wire, concertina coil, flexible wire rope etc. in fencing including	Kg	250.00	17.23	4307.50

	making rolls and stacking within 50 metres lead.				
41	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	Cum	10.00	961.84	9618.40
42	Dismantling carefully damaged portion of cement plaster of any finish from the wall, ceiling, beams etc & raking out the joints to a suitable depth up to 20mm depth & stacking the dismantled material within 50 m lead etc.complete.	Sqm	350.00	25.64	8974.00
43	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50metres lead.	Kg.	1000.00	2.75	2750.00
II)	Civil Work:				
44	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	Cum	65.00	209.04	13587.60
45	Supplying, providing and laying dry stones pitching/ soling of 225mm thick including preparation of surface complete.	Sqm	70.00	563.34	39433.80
46	Providing and laying in position ready mixed plain cement concrete M-15 grade plain cement concrete (cement content considered @ 240 kg/cum), using fly ash and cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Note:- 1) Excess/less cement used than specified in this item is payable/ recoverable separately. (2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement is to be ensured in accordance with clauses 5.2 and 5.2.1 of IS: 456 -2000 in the items	Cum	10.00	7613.40	76134.00

	of BMC and RMC.All works upto plinth level :				
47	Providing & laying Plain Cement concrete (PCC) including curing but excluding the cost of centering & shuttering etc;complete as directed.---- UPTO PLINTH LEVEL,PCC (1:2:4)	Cum	5.00	6951.41	34757.05
48	Providing and laying in position ready mixed M-30 grade concrete for reinforced cement concrete work, using fly ash and cement content as per approved design mix, and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering, recommended proportions as per IS : 9103 to accelerate / retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge.NOTE- (1) Cement content considered in this item is @ 340 kg/cum. Excess/ less cement used as per design mix is payable/ recoverableseparately.(2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement to be ensured in accordance with clauses 5.2 and 5.2.1 of IS:456 -2000 in the items of BMC and RMC.				
48.1	All works up to Plinth level.	Cum	20.00	8519.74	170394.80
48.2	All works above Plinth level upto floor V level.	Cum	50.00	9435.75	471787.50
49	Centering and shuttering including strutting, propping etc. and removal of form for :				
49.1	Lintels, beams, plinth beams, chajjas, girders, bressumers and cantilevers.	Sqm	520.00	437.56	227531.20
49.2	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	250.00	597.45	149362.50
50	Providing & fixing in position reinforcement bars including straightening, cutting, bending, placing in position & binding with binding wires / welding where ever necessary for foundation / beams / columns; etc. all complete as directed at any location (Lapping / chairs will be measured & paid separately) - Thermo-mechanically treated bars	Kg.	5500.00	93.92	516560.00
51	Providing Brick masonry with coventional / IS type bricks of grater than one brick thickness SET IN CEMENT MORTAR (1 : 4) including scaffolding, waterring, racking out joints etc. complete - Above plinth level in superstructure upto floor V level	Cum	125.00	7805.63	975703.75
52	Repairs to plaster of thickness 12 mm to 20 mm in patches old area 2.5 Sq.M.	Sqm	350.00	312.35	109322.50

	with Cement mortar 1 : 4 (1 cement : 4 Fine sand)And under curing the patch in proper shape, raking out the joints and prepering and plastering the surface of the walls etc. complete.				
53	Providing and applying 20 mm thick waterproof cement plaster(1:4) in two coats for external surface mixed with approved waterproofing material as per manufacturer specification, curing etc; upto 10m height etc. all complete as directed.	Sqm	1385.00	316.02	437687.70
54	Raised and cut pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) including scaffolding raking out the joints to a suitable depth up to 20mm depth & stacking the dismantled material within 50 m lead etc.complete.	Sqm	350.00	352.18	123263.00
55	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade of approved make (Two or more coats applied @ 1.43 ltr/ 10 sqm. over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm).	Sqm	3000.00	127.12	381360.00
56	Supplying and applying pre tested and approved water based concrete Pigmented wet curing compound to concrete/ masonry surface, all as per manufacturer's specification and direction of Engineer-in-charge.	Sqm	2000.00	160.73	321460.00
57	Removing existing corrosion in MS/ torsteel bars by means of suitable light tapping wire brushing and applying rusticide rust converter of "Feovert" of Krishna conchem or equivalent approved make etc complete	Litre	5.00	204.87	1024.35
58	Providing and applying two coats of Rust preventive coating of IPNET of Krishna Conchem or equivalent approved make after cleaning the existing surface from dust/ loose particles by applying air water under pressure etc complete as directed	Litre	50.00	477.83	23891.50
59	Providing and applying bond coat EPIBOND of M/s Krishna Conchem Products Pvt. Ltd. or equivalent approved make to existing exposed concrete surfaces, all complete as directed.	Sqm	80.00	860.77	68861.60
60	Providing and applying Bonding coat between concrete members like RCC slabs, columns, beams, Chajjas, pardis etc and cement mortar plaster using HACK AID PLAST of M/s. Sunanda Speciality Coatings Pvt. Ltd. or equivalent as per the instructions of manufacturer or Engineer Incharge; including cleaning the concrete surface thoroughly to remove dust, dirt, grime, deshuttering oils and rub down to a clean surface at all heights/ levels and locations and as directed by Engineer Incharge.	Sqm	550.00	53.39	29364.50
61	Providing welded or bolted structural steel	Kg	14500.00	94.42	1369090.00

	work in single section with or without connecting plate including cutting, hoisting, fixing in position, scaffolding and applying a priming coat of approved steel primer, all complete.				
62	Providing and applying Two or more coats of synthetic enamel paint of approved brand and manufacture of required colour to give an even shade including the cleaning the surface and scaffolding complete and including rakes/storage platforms	Sqm	200.00	89.05	17810.00
63	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	meter	300.00	401.26	120378.00
64	Providing & fixing GI brackets/ spacers of 200mm size for fixing the service lines-PVC/CI pipes, cables with U bolts etc. including fixing the same on walls with nails by drilling the holes etc. complete as per directed by Engineer in-charge.	Nos	70.00	335.42	23479.40
65	Carriage of Building rubbish by mechanical transport including loading, unloading and carting away up to Municipal Dumping Ground. (Building rubbish includes excavated unserviceable material, dismantled concrete, plaster work, asphalt concrete, dismantled plaster. etc.)	Cum	300.00	539.08	161724.00
III	Temporary Barricading work				
66	Fixing corrugated G.S./G.I/Galvalume sheet for temporary barricading during construction of new wall including vertical/ curved surface fixed with polymer coated J or L hooks, bolts and nuts washers or with G.I. limpet washers filled, including cutting to size and shape wherever required and as directed by Engineer In-charge etc. complete. -Note: Only sheeting material (old galvalume/GI sheets) will be supplied by MDL. Necessary fittings viz. screws, nut, bolts, hooks, washers etc. are to be provided by contractor.	Sqm	750.00	161.05	120787.50
67	Dismantling G.S./G.I/Galvalume Sheet cladding of temporary barricading	Sqm	750.00	80.22	60165.00

	including dismembering of structural steel framing of vertical supports, horizontal bracings, cross bracings, etc. and stacking the serviceable materials within MDL premises etc. complete & as directed by Engineer In-charge.				
	Total of South Yard Mogul House				6803498.55
	TOTAL (Anik Chembur + South Yard)				26760672.05
	WCT under VAT (in Percentage)				
	Service Tax including Swachh Bharat Cess and Kisan Kalyan Cess (in Percentage)				
	NET TOTAL				
C	Buy Back Item				
68	Rebate Item: Rebate to be given by Contractor for taking away dismantled MS scrap outside MDL premises as directed by Engineer-In-Charge at any height / Location including loading, transporting and unloading etc. complete. (The bidder is required to offer their quote subject to minimum of 16835/MT- as buy back price)	MT	10.00	-16835.00	-168350.00
	GRAND TOTAL (NET TOTAL - REBATE)				26592322.05