

DELHI DEVELOPMENT AUTHORITY
OFFICE OF THE EXECUTIVE ENGINEER
WD-5/N.Z./1ST FLOOR/V.MINAR/ND-2

NO:F.5(Misc.)WD-5/DDA/2008-09/

Dt: 27/11/09

To

The Deputy Director(System),
D.D.A. 1st Floor, Vikas Sadan,
INA, New Delhi.

Sub:- Uploading of the documents on DDA Website on
behalf of WD-5.

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Sir,

Please find enclosed herewith the following
documents for uploading on DDA website.

NI T NO 64, 65, 66, 72, 75 & 2009-10 with

letter no - F5 (38) WD5/0011/09-10/

ctt. along with schedule


Executive Engineer
Western Division-5,
Delhi Development Authority
Vikas Minar, N. Delhi.

DELHI DEVELOPMENT AUTHORITY
OFFICE OF THE EXECUTIVE ENGINEER
WESTERN DIVISION NO. - 5 (NORTH ZONE)
PRESS TENDER NOTICE

Sealed Item rate tenders for the following works are invited by the Executive Engineer/WD-5/DDA, 1st Floor, Vikas Minar, New Delhi for following work from approved and eligible contractors of DDA, CPWD, Civil Wing of P & T. M.E.S. & Railways upto 3.00 P.M. which shall be opened on the same day at 3.30 P.M. at Ground Floor, DDA Office Vikas Minar, New Delhi in the presence of intending tenderers or their authorised representatives on the dates indicating against the each work. For eligibility criteria, please see foot note-I & II.

The tender documents can be obtained on any working day from the Sr.A.O. (CAU) NZ, DDA, Ashok Vihar New Delhi and Tender Sale Counter, Vikas Minar, New Delhi between 11.00 A.M. to 3.00 P.M. on payment of cost of tender (non-refundable) in cash as mentioned against each work on production of valid certificate of registration with works contract Sales Tax Dept. of the GNCTD and the tax Clearance Certificate on Form - XI. Sale of tender forms will be stopped 4 days (including the date of opening before the date fixed for opening of tender documents.

Manner of submission of tenders, opening of the same entry of contractors/their authorized representative of the place of opening shall be as provided in clauses 3 (a), (b) & (c) of PWD-6 forming part of the tender documents.

S. No.	NIT No.	Name of work	Estt. Cost Earnest Money Cost of Tender	Last date of sale Date of opening Time allowed
1.	64/EE/WD-5/ DDA/2009-10	Special Repair of Vikas Minar. SH. Rehabilitation of basement slab beams & columns at Vikas Minar.	12,75,428/-	11.12.2009
			25,509/-	16.12.2009
			500/- + 4% VAT	3 Months
2.	65/EE/WD-5/ DDA/2009-10	M/o Vikas Minar. SH: Repair of office furniture i.e. Chair, Sofa, Almirah etc. (Wooden & Steel).	7,32,621/-	5.12.2009
			14,652/-	9.12.2009
			500/- + 4% VAT	3 Months
3.	66/EE/WD-5/ DDA/2009-10	M/o Completed Scheme under Nazul A/c -I of North Zone. SH: Repair & maintenance of Servant Qtrs. at Bhagwan Dass Road.	7,31,748/-	5.12.2009
			14,635/-	9.12.2009
			500/- + 4% VAT	2 Months
4.	72/EE/WD-5/ DDA/2009-10	M/o Completed Scheme under Nazul A/c -I of North Zone SH: Renovation & maintenance of Officer flats 7/2 & 7/6 at B.D. Road.	11,67,154/-	11.12.2009
			23,343/-	16.12.2009
			500/- + 4% VAT	2 Months
5.	75/EE/WD-5/ DDA/2009-10	Special repair of Vikas Minar. SH: Outer surface finishing of Vikas Minar DDA, Vikas Minar, I.P. Estate, New Delhi.	22,52,796/-	11.12.2009
			45,056/-	16.12.2009
			500/- + 4% VAT	4 Months

Foot Note-I

- For works costing upto Rs. 25.00 lacs, tenders shall be issued to contractor(s) registered with DDA only.
- For works costing above Rs. 25.00 lacs upto Rs. 2.00 crores, tenders shall be issued to DDA & CPWD enlisted contractor[s] as per their enlistment. The tenders shall also be issued to non - DDA, non - CPWD contractors provided they have satisfactorily completed three similar nature of works, each of value not less than 40% of the estimated cost in last five years.

Special condition for work at serial no. 5

- i. The tenders are open for Non - registered specialized contractors also in addition to registered contractors;
- ii. The satisfactorily completion of atleast two works of similar nature/class, each costing not less than 50% of the estimated cost [gross] or one work of similar nature/class, costing not less than 100% of the estimated cost [gross] in Govt. Department of the proposed work during the last five years;

Being specialized nature of work, tender in respect of works mentioned at serial no. 5 will be issued by Sr. A.O. (CAU)/NZ/DDA, Ashok Vihar, Phase - I, Delhi - 110052 or tender clerk, Central Tender Unit, Vikas Minar, New Delhi - 02 after verification of application by the concerned Executive Engineer.

- iii. Additional special conditions are displayed on DDA Website - dda.org.in and shall also be furnished with tender documents.

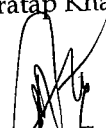

Executive Engineer
Western Division-5
DDA

Dated :- 27/11/09

No. F5 (38) WD-5/DDA/07-10/ 2105

Copy to:-

- 1 Chief Engineer (NZ), DDA.
- 2 SE/CC-7/DDA.
- 3 Director (System), DDA. 'B' Block Vikas Sadan, DDA, for displaying the NIT on DDA web site.
- 4 F.O. to CE (NZ), DDA.
- 5 Sr. A.O. (W)-II, DDA, Vikas Sadan, New Delhi.
- 6 A.O. (CAU) NZ, DDA.
- 7 Ex. Engineer/QC. IV. DDA, Vikas Sadan.
- 8 All Executive Engineers/DDA.
- 9 The Labour Commissioner, 15, Rajpur Road, Delhi.
- 10 The Commissioner (Sales Tax) IIIrd Floor, Delhi Govt. of NCT Delhi Bikrikar Bhawan, I.P. Estate, New Delhi-110002.
- 11 DDA, Contractor Association (Regd.), Vikas Kuteer, I.P. Estate, New Delhi.
- 12 Cont. Welfare Association (Regd.) 12-A Barrack No. 1, Block-A, Vikas Kuteer, I.P. Estate, New Delhi
- 13 The ITO Contractor circle central revenue office, 263 'A' 2nd Floor, I.P. Estate, New Delhi.
- 14 Cont. Association, CPWD, Y-Shape Building, I.P. Estate, New Delhi
- 15 Delhi Cont. Welfare Association, 306, Masjid Morh Rai Sahib Market, N.D.S.E. Part-II, New Delhi-110049.
- 16 Chairman, Trans Yamuna DDA Cont. Association (Regd.) 11-12, Veer Sawarkar Mkt., Budh Bazar, Gandhi Nagar, Delhi.
- 17 The Delhi Cont. Building Association, (R) No. 5503, Choudhary Prem Bhwan, New Chanderwal Chowk, Bhim Singh Road, Delhi -1100073.
- 18 Security officer, DDA Vikas Minar, New Delhi
- 19 Tender Clerk, WD-5, Vikas Minar (Sale Counter).
- 20 Tender Clerk, CAU (NZ), DDA Ashok Vihar (Two copies).
- 21 All A.E./WD-5/DDA.
- 22 Head Clerk WD-5/DDA. To ensure for displaying the NIT on DDA website & confirm.
- 23 Notice Board of WD-5/DDA.
- 24 Secretary all Delhi DDA and MCD Contractors welfare Association (Regd.). 253, Pratap Khand, Vishakarma Nagar, Delhi.


Executive Engineer
Western Division-5

ABSTRACT OF COST

Name of work:

Special repair of Vikas Minar.

Sub - Head:

Rehabilitation of basement slabs, beams and columns at Vikas Minar.

S. No.	Description of Item	Qty.	Unit
1.	Chipping of unsound weak concrete material from slab, beams, columns with power/ hand driven chisel as directed by Engineer - in - Charge upto 50 mm average depth including saw - cutting of all edges making square shoulders of the cavities including propping adjoining areas with steel props and bracing and steel/ timber runner to relieve by member from the load coming onto it wherever required as per design and pattern approved by Engineer - in - Charge complete.	700.00	sq. m.
2.	Cleaning reinforcement of total rust including form behind reinforcement bars to give it totally ruts finished steel surface (Length of reinforcement bars cleaned of rust all around shall be measured for payment) by manual methods with wire brushes or appropriate as per site requirements, all heights as per direction of Engineer - in - Charge complete (rate is inclusive T&P machinery required at site. Sand blasting if required to be paid separately). i) Upto 12 mm dia. ii) Above 12 mm dia.	2000 500	mtr. mtr.

S. No.	Description of Item	Qty.	Unit
	removal of form for: (a) Columns, Pillars, Piers, Abutment, Post & Struts (b) Lintel, beams, plinth beams, girders, bressumers & cantilevers.	10.00 10.00	sq. m. sq. m.
9.	Providing and application of minimum three cost of corrosion inhibition aqueous impregnation @ per sq. m. compared by paint brush or spraying on surface as per direction of Engineer – in – Charge.	700.00	sq. m.
10.	Providing and applying two coats of cement based epoxy modified anti – corrosive coating and bonding agent Sika Top Armatee 110 (or MBT Rheo Mix 141 plus concrete ZRI or STP corrbond) or equivalent on old/ new steel bars and also on old concrete surface @ 2.40 Kg/ sq. m. before applying fresh concrete complete in all respects for all heights		

S. No.	Description of Item	Qty.	Unit
	as per direction of Engineer – in – Charge (Rate is including for cost of T&P machinery required materials for all leads/ lifts etc. for all heights upto all floors required at site).	700.00	sq. m.
11.	Providing and application of cement, sand mortar rubberized (SBR) @ 51 Kg/ cu. m. (latex power) to line and level on surface as per direction of Engineer – in – Charge. Rate is inclusive of all cost of labour, scaffolding, tolls and tackals and inclusive of all operations as per direction of Engineer – in – Charge.	28.00	cu. m.
12.	Providing and applying Antisol Aresin (premium) MBT Master cure A or EU Cosil or equivalent curing compound @ 0.01 Kg to 0.20 Kg sq. m. with brushes all complete in all respects.	700.00	sq. m.
13.	Providing and applying SBR based bonding coat of 1.5:1 (1.5 cement: 1 Pidicrete URP) or approved equivalent constructions chemicals to		

S. No.	Description of Item	Qty.	Unit
	existing construction chemical to existing dismantled/ cleaned surface (Acceptable products : Pidilite, fairmate).	700.00	sq. m.
14.	Applying slurry of cement Badarpur and Marbel dust in proportion 1:4 (1 cement: 4 Badarpur sand, 10% to 20% marbel dust) uniformly with coir brushes to remove superfluous material give uniform and even colour surface without damaging texture of concrete to entire satisfaction of Engineer – in – Charge/ Architect Consultant.	700.00	sq. m.
15.	Providing and applying with liberal spray application at minimum pressure silicone treatment with silicone of approved make/ brand in proportion recommended by manufacturer with organic solvents to duly cleaned surfaces with detergents and alkaline solutions etc. and finally washing with water to give it neat and clean surface same from decaying and damaging effect of seepage, fungus growth and salt peter action (efflorescence) without in any way changing original colour to architectural beauty of the structure etc. complete and as per direction of Engineer – in – Charge/ Architect consultant.	700.00	sq. m.
16.	Disposal of building rubbish malba by mechanical transport including loading – unloading for all lead and lifts.	50.00	cu. m.

S. No.	Description of Item	Qty.	Unit

SCHEDULE OF QUANTITY

Name of work :- Maintenance of Vikas Minar.
Sub Head :- Repair of Office Furniture i.e. Chairs, Tables, Sofa, Almirah etc. (Wooden & Steel)

S. No.	Description of item	Qty.	Unit	Rate	Amount
1.	Complete renovation of Sofa set including providing and fixing of Jute, Tat, cloth, Springs, Newer, Rubber foam of require l size etc. and change of leatherite/ tapestory cloth & stitching, repair of wooden frame work & polishing of exposed wood as per the direction of Engineer-in-charge complete a) 100mm thick rubber foam cushioning seat & back.	100 Nos	Each Seat		
2.	Complete renovation of visitors chairs including providing and fixing Newer, rubber foam etc and change of tape story leatherette cloth & stitching, polishing, repair of metal frame/ wooden frame complete as per the direction of Engineer-in-charge.	120 Nos.	Each		
3.	Complete renovation of cushioned revolving chair including providing & fixing newer, rubber foam etc. required size and change of leatherite/ tapestory cloth and coaster wheels etc. including oiling, greasing, spray painting				

S. No.	Description of item	Qty.	Unit
	complete as per direction of Engineer-in-charge complete.	70 Nos.	Each
4.	Providign and fixing painted new seats made of hard wood of good quality with canning including fixing with nuts, bolts etc complete as per direction of Engineer-in-charge . a) For Ordinary Steel chair.	1200 Nos	Each
5.	Providing and fixing painted new frame back made of hard wood of good quality with canning including fittings with nut and bolts etc complete as per direction of Engineer-in-charge. a) Ordinary Steel chair.	1000 Nos	Each
6.	Providing and fixing painted new good quality wooden arms to steel chair including fixing with screws etc. complete as per the direction of Engineer-in-charge.	2000 Nos.	Each

S. No.	Description of item	Qty.	Unit
7.	Providing and fixing of M.S. steel flat to support the wooden seat in steel chair by welding etc. complete (flat should be 10x3m in section) whenever required.	2400 Nos.	Each
8.	Replacement of rubber wheel coaster for revolving chair of superior quality.	200 Nos.	Each
9.	Providing and fixing good quality rubber cushion with screws complete to steel chairs .	4800 Nos.	Each
10.	Providing and fixing good quality rubber plug of steel chair complete.	4800 Nos	Each
11.	Spray painting of steel chair with Synthetic Enamel paint of approved brand and manufacture of suitable shade.	1200 Nos	Each
12.	Complete labour charge for minor repair of revolving chairs including oiling, greasing, welding, nut & bolt etc. and necessary adjustment of smooth functioning.	50 Nos.	Each

S. No.	Description of item	Qty.	Unit
13.	Providing and fixing new lock for steel/ wooden furniture with brass and two keys (zink finished) complete a) Table lock b) Almirah lock,	300 Nos. 200 Nos.	Each Each
14.	Adjustment and repair of drawers of steel table including, welding, cleaning, greasing etc. complete one table will be counted for payment (consolidating 3 drawers in each table and one box)	75 Nos	Each
15.	Providing & fixing new drawer of steel table made of M.S. sheets of 1.00mm thick as per the requirement of table etc. complete	75. Nos.	Each
16.	Providing and fixing of complete M.S. box for steel table made of M.S. sheet of 1.00 mm thick for drawers etc including fitting with gas welding after removing damaged box etc. complete.	25 Nos.	Each
17.	Providing and fixing new sumica laminated 3 layer flat pressed particle board (medium density) top made of 19mm thick commercial board with teak beading (20x3mm) all around including nuts and screws and sprit polishing etc. complete.	190.00 Sq.m.	Sqm.

S. No.	Description of item	Qty.	Unit
18.	Denting and spray painting, steel table after smoothening of external surface and drawers complete, including welding and applying a primer and coats of steel paint of approved brand as per direction Engineer-in-charge. a) Steel table of double box. b) Steel table of single box.	68 Nos. 100 Nos.	Each Each
19.	Repair of locking system minor repairs of steel almirah including locking strips, bushes etc., oiling, greasing and adjustment of doors all complete as per the direction of Engineer-in-charge.	100 Nos.	Each
20.	Providing and fixing of new handle of steel almirah of nickel plated metal finished, fixing with nuts and bolts and removing damaged all complete.	120 Nos.	Each
21.	Providing and fixing new steel base stand (legs) for steel almirah made of M.S. sheet (1.25 mm thick appropriate to enable to carry the load of records/ files etc. duly spray painted with approved quality paint including removing of damaged base stand.	120 Nos.	Each

S. No.	Description of item	Qty.	Unit
22.	Spray painting steel almirah of including denting work required for surfaces, doors, new locking system, shelves etc, complete wherever necessary all as per direction of Engineer-in-charge. a) Steel almirah (big) of size upto 2.00x0.90 mtr. b) Steel almirah (small) size upto 1.30x0.78mtr.	60 Nos. 60 Nos.	Each Each
23.	Providing and fixing new metal shelves made of M.S. sheet of 1.00mm thick to steel almirah & racks screws etc. complete. a) 900x450mm b) 750x400mm	40 Nos. 40 Nos.	Each Each

S. No.	Description of item	Qty.	Unit
24.	Deduct for disposal of junks (after shorting out of serviceable material) (Kabars) collected, during execution of above item of work including load, unloading by any transport from the site of work (Payment will met by actual weight at site)		
	a) Steel junks (unserviceable)	450 Kgs	Kgs
	b) Wooden junks (Unserviceable)	200 Kgs	Kgs.
			ach
			eat

Schedule of Quantities

Name of work :- M/o completed scheme under N/A -I North Zone.

SH:- Repair & maintenance of servant quarters at 7, Bhagwan dass Road.

S. No.	Description of Item	Qty	Unit	Rate	Amount
1.	Dismantling of old plaster or skirting raking out joints and clearing the surface for plastic including disposal of rubbish to the dumping ground within 50 mtr lead.	138.00	Sqm		
2.	Dismantling doors windows and clerestory windows (steel or wood) shutter including chowkhats , architrave , holdfasts etc, complete and stacking with in 50 metres lead. i) Of area 3 Sqm metre and below	12	Each		
3.	Taking out doors windows and clerestory windows shutters (steel or wood) including stacking within 50 metres lead: i) Of area 3 Sqm metres and below	12	Each		
4.	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade (i) New work (two or more coat) over and including priming coat with cement primer.	2234.00	Sqm		
5.	Removing dry or oil bound distemper water proofing cement paint and				

	the like by scrapping , sand papering the surface smooth including necessary repair scratches etc complete.	2234.00	Sqm
6.	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: (1) Two or more coats on new work Finishing walls with apex weather proof emulsion exterior paint made of M/s asian paints (India) LTD or equivalent or required shade. 1) New work two or more coats applied @ 1.67 litre/Sqm.)	522.00	Sqm
8.	Repair to plaster of thickness 12 mm to 20 mm in patches of area 2.5 Sq meter and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground with in 50 metres lead: i) With cement mortar 1:4 (1 cement : 4 fine sand)	603.00	Sqm.
9.	Demolishing R.C.C work manually /by mechanical means including stacking of steel bars and disposal of un-serviceable material within 50 metres lead as per direction of Engineer- in- charge	26.00	Sqm
10.	Demolishing cement concrete manually / by mechanical means including disposal of material with in 50 metres lead as per direction of Engineer-in-	1.62	Sqm

	charge	2.89	Cum
11.	(i) 1:3:6 or richer mix Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering –All work up to plinth level (i) 1:2:4 (1 cement :2 coarse sand : 4 graded store aggregate 20mm nominal size) s	2.89	Cum
12.	Reinforced cement concrete work in beams, suspended floors, roofs, having slope up to 15 landings, balconies shelves, chajjas, lintels, bands, plain window sill, staircase and spiral stair cases up to floor five level excluding the cost of centering shuttering finishing and reinforcement with 1:2:4 (1 cement :2 coarse sand: 4 graded stone aggregate 20mm nominal size)	1.62	Cum
13.	Centering and shuttering including strutting , propping etc and removal of form for: (1) Suspended floors, roofs, landing , balconies and access platform.	3.06	Sqm
14.	Reinforcement for R.C.C work including straightening , cutting , bending , placing in position and binding all complete. (i) Thermo –Mechanically treated bars.	162	Kg

15.	Brick work with F.P.S. bricks of class designation 75 is super structure above plinth level up to floor v level in all shapes and sizes in: (i) Cement mortar 1:6 (1 cement :6 coarse sand)	2.70	Cum
16.	Half brick masonry with F.P.S bricks of class designation 75 is super structure above plinth level up to floor V level. (i) Cement mortar 1:4 (1 cement :4 coarse sand)	15.00	M ²
17.	12mm cement plaster of mix (i) 1:6 (1 cement :6 fine sand)	99	M ²
18.	P/F Ist quality ceramic glazed wall tiles conforming to 1.5 15622 (Thickness won to be specified by the manufacture of approved make in all colours shades except burgundy, bottle green , black of any size as approved by Engineer in charge in 1:3 (1 cement :3 coarse sand)	337	M ²
19.	15 mm cement plaster on the rough side of single or half brick wall of mix: (i) 1:6 (1 cement : 6 fine sand)	17.25	M ²
20.	6 mm cement plaster of mix : (i) 1:3 (1 Cement :3 fine sand)	3.00	M ²

21.	Neat cement punning	36.00	M ²
22.	Providing and laying ceramic glazed floor tiles 300x 300 mm (thickness to be specified by the manufactures) of 1 st quality conforming to 15:15622 of approved make in all colours, shades, except white, ivory, grey, fume red, Brown laid on 20mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) including pointing the joints with white cement and matching pigments etc	383.00	M ²
23.	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement :4 coarse sand) bedding in laying of floor tiles. Providing wood work in frames of doors, windows, clesetory windows and other frames, wrought framed bixed in position. Second class teak wood.	383.00 0.57	M ² Cum
24.	Fixing glazed /ceramic /vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to 15:15477, using 5 kg adhesive per sqm of tile area, in average 3mm thickness.	383.00	M ²

25.	Fixing chowkhats in existing opening including on bedding chowkhats in floors or walls cutting masonry for holdfasts embedding hold fasts in cement concrete block with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) painting two coats of approved wood preservative to side of chowkhats and making good the damage to walls and floors as required complete including disposal of rubbish to the dumping ground with is 50 metres lead: (i) Door chowkhats (ii) Window chowkhats	10 2	Each Each
26.	Providing & fixing 19mm thick block water proffing play board in sheleve , partitions shutter cupboard modular kitchen box cabinet etc with teak wood masginete as per the design drawing and as per the direction of Engineer in charge (Board shall be superior quality)	40	Sqm

27	Providing and fixing ISI marked flush door shutters conforming to IS:2202 (Part 1) non decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 1. 35mm thick including ISI marked stainless steel butt hinges with necessary screws.	21.0	M ²
28	Providing and fixing 35mm thick wire gauze shutters using galvanized M.S. wire gauze of average width of aperture 1.4mm with wire of dia 0.63mm for doors, windows and clerestory windows including ISI marked stainless steel butt hinges with necessary screw. 1. Second Class teak Wood.	10.50	M ²
29	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coats on unexposed surface etc. complete. 2nd class teak wood 1. 50 x 12mm	26.00	Mtr
30	Providing and fixing IS:1341 marked M.S. heavy weight butts hinges with		

	necessary screws etc. complete. 1. 125 x 90 x 4.00mm 2. 100 x 75 x 3.50mm	8 5	Each Each
31	Providing and fixing aluminum tower bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS: 1868) transparent to required colour or shade with necessary screws etc complete 1. 250 x 100mm 2. 200 x 10mm	10 10	Each Each
32	Providing and fixing aluminum pull bolt lock anodized ISI marked (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour and shade with screw bolts, nuts and washers etc complete	10	Each
33	Providing and fixing aluminum handles ISI marked anodized anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc complete. (i) 125mm (ii) 100mm	10 10	Each Each

34	Providing and fixing aluminum hanging floor door stopper ISI marked anodized transparent on dyed to required colour and shade with necessary screws etc complete (i) Single rubber stopper (ii) Twin rubber stopper	5 8	Each Each
35	Providing and fixing 1mm thick M.S. sheet door frame of 40x40x 6mm angle iron and 3mm M.S. gusset plates at junction and corner , all necessary fitting complete , including applying a coat of approved steel primer. (i) Using M.S. angle 40x40x 6 mm fordiagnal braces	4.00	M ²
36	Steel work welded in built up sections /framed work including cuttings, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required . In stringers , treads , landings etc. of stair cases including use of chequered plate wherever required , all complete	50	Kg.
37	Renewing glass panes, with putty and nails wherever necessary : (i) Float glass panes of thickness 4mm.	3.00	Sqm

38	Providing and fixing curtain roads 1.25mm thick brass plates with two brass bracket fixed with brass screws and wooden plugs etc wherever necessary complete (i) 25mm diameter	10	mtr
39	Disposal of building rubbish /mulba etc by mechanical transport i/c loading , unloading for all leads & lift	75	Cum

SCHEDULE OF QUATITY

Name of Work :- M/o Completed Scheme under Nazul A/c -I North Zone.

SH :- Renovation & Maintenance of Officer Flates 7/2& 7/6 at B.D. Road.

S. No.	Description of Items	Qty.	Unit	Rate	Amount
1.	Repairs to plaster of thickness 12 mm to 20mm in patches of area 2.5 sq. meters and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 meters lead: a) With cement mortar 1:4 (1 cement :4 fine sand)	38.33	Sqm.	Cum	
2.	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 meters lead.	38.33	Sqm.		
3.	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in: a) Cement mortar 1:4 (1 cement :4 coarse sand) b) Cement mortar 1:6 (1 cement : 6 coarse sand)	1.00 1.12	Cum Cum		
4.	Half brick masonry with F.P.S. brick of class designation 75 in foundations and plinth in.				

	a) Cement mortar 1:4 (1 cement : 4 coarse sand)	14.17	Sqm
5.	12 mm cement plaster of mix 1:6 (1 cement : 6 fine sand)	31.54	Sqm.
6.	15 mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement : 6 fine sand)	31.74	Sqm.
7.	Dismantling door, windows and clerestory windows (steel or wood) shutter including chowkhats , architrave , holdfasts etc. complete and stacking within 50 meter lead. a) Of area 3 sq. metres and below b) Of area beyond 3 sq. metre	2.00 2.00	Each Each
8.	Taking out doors, windows and clerestory window shutters(steel or wood) including stacking within 50 meters lead: a) Of area 3 sq. metres and below.	4.00	Each
9.	Removing dry or oil bound washable distemper , water proofing cement paint and the like by scrapping , sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	1042.00	Sqm.
10.	Providing & applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	607.00	Sqm.
11.	Distemping with oil bound washable distemper of approved brand and		

	manufacture (two or more coats) and of required shade on new work, over and including priming coat of whitening to give an even shade.	1042.00	Sqm.
12.	Finishing walls with apex weather proof emulsion exterior paint made of M/s asian (India) Ltd. or equivalent for required shade. a) New work (two or ^{more} coats applied @ 1.67 Litres/10sqm.	597.00	Sqm.
13.	Providing & fixing 1 mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. a) Using M.S. angles 40x40x6mm for diagonal braces.	8.40	Sqm.
14.	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a primer coat of approved steel primer all complete.	100.00	Kg.
15.	Dismantling steelwork manually/by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.	10.00	Kg.
16.	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position:		

	a) Second class teak wood	1.02	Cum
17.	Providing and fixing 19 mm thick block water proofs ply board in shelves partitions shutter with teak wood margins etc. Complete as per the direction of Engineer-in-charge (19 mm thick commercial water proof ply board shall be used of best quality make).	43.50	sqm
18.	P/F 6 mm water proof ply wood plain living with necessary screws complete as per the direction of Engineer-in-charge.	30.00	Sqm.
19.	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enameled M.S. ^{wash} but hinges with necessary screws excluding , panelling will be paid for separately. 2 nd class teak wood. a) 35 mm thick shutters	6.15	sqm
20.	Providing and fixing 35 mm thick wire gauze shutters using galvanized M.S. wire gauze of average width of aperture 1.4mm with wire of dia 0.63 mm for doors, windows and clerestory windows including ISI marked bright finished or/and black enameled M.S. butt hinges with necessary screws. a) Second class teak wood.	16.25	sqm
21.	Providing M.S. Piano hinges ISI marked IS: 3818 finished with nickel plating		

	and fixing with necessary screws etc. complete.			
	a) Overall width 35 mm.	10		Metre
22.	Providing and fixing bright finished brass handless with screws etc. complete:			
	a) 125mm	9		Each
	b) 100mm	9		Each
	c) 75mm	6		Each
23.	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete:			
	a) 250x10mm	9		Each
	b) 150x10mm	9		Each
	c) 100x10mm	20		Each
24.	Providing and fixing 50 bright finished brass cup board or wardrobe knob with necessary screws (best make of approved quality)	16		Each
25.	Providing and fixing magnetic catcher in cupboard /ward robe shutters including fixing with necessary screws etc. complete (Best make of approved quality).			
	a) Triple strip vertical type.	10		Each
	b) Double strip (horizontal type).	10		Each

26	French spirit polishing :		
	a) Two or more coats on new works including a coat of wood filler.	62.60	Sqm.
27.	Painting with oil type wood preservative of approved brand and manufacture: New Work (two or more coats)	96.14	sqm
28.	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: a) Two or more coats on new work	165.00	Sqm.
29.	Providing and fixing fly proof galvanized M.S. wire gauze to windows and clerestory windows using galvanized M.S. wire gauge with average width of aperture 1.4mm in both directions with wire of dia 0.63mm. a) With 12 mm mild steel U beading.	14.25	Sqm.
30.	Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS: 1285, fixed with raw plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions , at top , bottom and sides with required PVC/neoprene felt etc. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminum snap beading for glazing /paneling , C.P.		

	brass/stainless steel screws , all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing and paneling to be paid for separately):		
	a) For fixed portion. Powder coated aluminum (minimum thickness of powder coating 50 micron)	823.00	Kg
	b) For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately) <i>Powder Coated aluminium</i> (Minimum thickness of Powder Coating 50 micron)	188.00	Kg
31.	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS : 12823 Grade I type II, in paneling fixed in aluminum doors , windows, shutters and partition frames with C. P. brass /stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. a) Pre -laminated particle board with decorative lamination on both sides.	4.10	Sqm

32.	Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with PVC neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge .(Cost of aluminum snap beading shall be paid in basic item): a) With float glass panes of 4.0 mm thickness. b) With float glass panes of 5.50 mm thickness. c) With float glass panes of 8 mm thickness.	20.41 12.96 16.73	Sqm. Sqm Sqm
33.	Filling the gap in between aluminum frame & adjacent RCC/Brick/Stone work by providing weather silicon sealant over backerrod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. a) Upto 5mm depth and 5 mm width.	85.17	Metre
34.	Providing and fixing stainless steel(SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer -in-charge complete. a) 205x19mm b) 255x19mm	40 12	Each Each
35.	Providing and fixing 100mm brass locks (best make of approved quality) for aluminum doors including necessary cutting and making good etc. complete.	6	Each

36.	Providing and fixing aluminum casement windows fastener of required length for aluminum windows with necessary screws etc. complete. a) Powder coated minimum thickness 50 micron aluminum.	30	Each
37.	Providing and fixing aluminum round shape handle of outer dia 100mm with SS screws etc. complete as per direction of Engineer-in-charge. a) Powder coated minimum thickness 50 micron aluminum.	22	Each
38.	Providing and fixing aluminum grill of required design & pattern approved by the Engineer—in-charge in Aluminum windows & ventilators as per the direction of Engineer-in-charge.	52.42	sqm
39.	Providing and fixing Bamboo Jeffery /fencing consisting of superior quality 25 mm dia (Average) half cut bamboo placed vertically and fixed together with three numbers horizontal running members of hellock wood in scantling of section 50x25mm fixed with nail and G.I. wire on existing support complete as per direction of Engineer-in-charge.	77.10	Sqm
40.	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs etc, wherever necessary complete. a) 25mm dia.	38.00	Mere
41.	Providing and fixing plywood 4 mm thick one side decorative veneer		

	confirming to IS : 1328 (type-1) for plain lining/cladding with necessary screws, priming coat on unexposed surface with. a) Decorative Veneer facings of approved manufacture.	22.55	Sqm
42.	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete: a) Second class teak wood b) 50x12mm c) 50x20mm	66.00 33.00	Metre Metre
43.	Providing and fixing oxidized M.S. double acting spring hinges with necessary screws etc. complete. a) 125mm.	2	Each.
44.	Providing and fixing 18 mm thick gang saw cut mirror polished premoulded and pre-polished) machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and taxure laid over 20mm thick base cement mortar 1:4 (1 cement :4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels. a) Granite of any colour and shade. i) Area of slab upto 0.50 sqm.	5.28	Sqm

	ii) Area of slab over 0.50sqm.	22.56	sqm
45.	Extra for providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish. Complete as per design approved by Engineer-in-charge. Granite work	17.20	Metre
46.	Extra for fixing marble/granite stone over and above corresponding basic item, in fascia and drops of width upto 150 mm with epoxy resin based adhesive etc. including cleaning complete.	8	Metre
47.	Extra for providing opening of required size & shape for wash basins/kitchen sink in platform, vanity counters and similar location in marble/Granite /stone work including necessary holes for pillar taps etc. including rubbing and polishing of cut edges etc. complete.	8	Each
48.	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.	28.84	Sqm
49.	Stone tile(polished work for wall lining over 12mm thick bed of C.M. 1:3 (1 cement :3 Coarse sand) and cement slurry (3.3 kg/sqm i/c pointing in white cement complete. a) Granite of any colour and shade.	4	Sqm
50.	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws etc. complete.	16	Each

51.	Providing and fixing finished brass sliding door bolt with necessary screws nuts a bolt etc. complete. a) 300x16mm	4	Each
52.	Providing and fixing powder coated telescope drawer channels 300mm long with necessary screws etc. complete as per the direction of Engineer-in-charge.	7	One set
53.	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622(thickness to be specified by the manufacture) of approved make in all colours , shades except burgundy , bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement :3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	48.85	Sqm
54.	Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (thickness to be specified by the manufacturer) of Is quality conforming to IS:15622 of approved make in colours, White , Ivory, Grey, Fume Red Brown, laid on 20mm thick Cement Mortar 1:4 (1 cement :4Coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	28.50	Sqm.
55.	Providing and laying vitrified tiles in different sizes (thickness to be		

	specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS:15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement :4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete. a) Size of tile 60x60cm	33.80	sqm	
56.	Deduct for not using 20mm thick cement mortar 1:4 (1 cement :4 coarse sand) bedding inlaying of floor tiles.	54.30	Sqm.	
57.	Fixing glazed /Ceramic /Vitrified floor tiles with cement based high polymer modified quick -set tile adhesive (Water based) conforming to IS: 15477, using 5Kg. adhesive per sqm of tile area, in average 3 mm thickness.	54.30	sqm	
58.	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete: a) 15mm nominal bore	3	Each	
59.	Providing and fixing un plasticized PVC connection pipe with brass unions. a) 30 cm length i) 15 mm nominal bore b) 45cm length ii) 15mm nominal bore.	10 6	Each Each	
60.	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) a) 15 mm nominal bore	8	Each	

61.	Providing and Placing on terrace (at all floor levels) polyethylene water storage tank ISI: 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	2000	Per litre
62.	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. a) 15mm nominal bore.	6	Each
63.	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS: 8931. a) 15 mm nominal bore.	8	Each
64.	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS :8931 a) 15 mm nominal bore a) 15mm nominal bore.	4	Each
65.	Providing and fixing brush stand holder of make parko of "STELLA COLLECTION" as per the design approved by the Engineer-in-charge.	3	Each
66.	Providing and fixing hand shower (Jet system) head faucet with 1 metre tube and look of chrome polished of Parko make or equivalent & approved by the Engineer-in-charge.	2	Each
67.	Providing and fixing C.P. waste of 32 mm dia without tale nuts of Parko Make	4	Each

	or equivalent as approved by the Engineer-in-charge.			
68.	Providing and fixing corner of 12 inches of Glass with C.P. brackets and S.S. screws etc complete as approved by the Engineer-in-charge.	4		Each
69.	Providing and fixing wall mixer with telephonic shower arrangement of Parko make of "RONDA COLLECTION" of equivalent as approved by the Engineer-in-charge.	2		Each
70.	Providing and fixing C.P. shower of revolving type of Parko with arm of "classic wire collection or equivalent as approved by the Engineer-in-charge.	1		Each
71.	Providing and fixing pillar cock of 15mm nominal bore as approved by the Engineer-in-charge.	4		Each
72.	Providing and fixing wall mixer set for kitchen sink (three in one) with Provision for hand/overhead shower as approved by the Engineer-in-charge.	1		Each
73.	Providing and fixing basin of cascade range with china stands as per the direction of Engineer-in-charge.	5		Each
74.	Providing and fixing paper holder as approved by the Engineer-in-charge (cas code range).	2		Each
75.	Providing and fixing C.P. wash basin of single /lever as approved by the Engineer-in-charge of marked Parko of "STELLA COLLECTION" or equivalent.	1		Each

76.	Providing and fixing coloured vitreous chine pedestal (European type w.c.) cascade range with seat & lid, 10 litre low level china flushing cister with manually controlled device double siphon to IS: 7231 Paryware /hindware /seabird /orient or equivalent with all fittings & fixtures complete i/c cutting & making good the walls & floors wherever required. a) Colored European type W.C. pan cascade range.	3	Each
77.	Providing and fixing 800x500mm beveled edge (model TL 310 designer Mirror of Superior glass or equivalent) complete with 6 mm thick hard ground fixed to wooden cleat with C.P. brass screws & washers complete.	3	Each
78.	Providing and fixing stainless steel A IS IS304 (1818) Kitchen sink as per IS: 13983 with C.I. bracket a stainless steel plug 40 mm/i/c panting of fitting & brackets cutting & making good the walls wherever required. a) Kitchen sink without drain bored. 610 x 510 mm, bowl depth 200 mm	1	Each
79.	Renewing glass panes with putty & nails wherever necessary (i) Float glass panes of thickness 4 mm (ii) Flat glass panes of thickness 5.50mm.	3.00 3.11	Sq.m. Sq.m.
80.	Removal of old putty of glass panes (length)	25.00	Metre
81.	Providing and fixing venation blind of vertical strips of approved brand as per	52.30	Sq.m.

Schedule of Quantity

Name of work: Special repairs of Vikas Minar.

Sub Head : Outer Surface finishing of Vikas Minar.

S. No.	Description of Item	Qty.	Unit	Rate	Amount
1.	Providing and fixing double scaffolding system (cup lock type) on exterior side upto seven storey height made with 40mm dia M.S. tube 1.5m centre to centre horizontal & vertical tubes joining with Cups & lock system with M.S. Tubes, M.S. tube, Challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it thereafter. The scaffolding system shall be stiffened with bracing, runners, connection with the building etc. where ever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge. The Elevational area of scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding: a) From Ground floor level to six floor level.	3124.00	Sqm.		

	b) From Seven floor level to thirteen floor level.	2685.00	Sqm.
	c) From Fourteen floor level to Twenty floor level.	2685.00	Sqm.
	d) From Twenty one floor level above.	837.00	Sqm.
2.	Applying out stretch exterior emulsion paint having the elastic properties to counter minor hair line cracks, weather resistant, dust resistant, rain resistant preferably having low VOC contents. Water based acrylic premium exterior emulsion paint applied 4.30 ltr. Per sqm. including base coat of wall sealer as primer @ 2.15 ltr per 10 sqm. of make SHERWIN WILLIAMS or equivalent as per direction of Engineer-in-charge.	10,016	Sqm.

SPECIAL CONDITION:

- A3
- A1 C1 Nature A2
1. The agencies who have carried out at least two similar nature of works of surface finishing of multi-storeyed building not less than ten storeyed in height shall be eligible.
 2. The firm shall inspect the site before submitting the tender.
 3. The firm shall submit the list of similar nature of works executed during the last five years.
 4. The firm shall have to submit the copy of the receipt of original purchase of emulsion paint required to be used by certified manufacturer.
 5. The firm shall submit the Pert/Bar Chart giving details of the activities indicting the targets against each item.
 6. The security deposit of 10% shall be released after one year from the date of satisfactory completion.
 7. The contractor shall take all suitable measures to protect the structure, environment and work force employed including passer- by with necessary barricading, Protective Screens, helmets, goggles, gloves etc. as directed by Engineer-in-Charge. Nothing extra shall be paid to the contractor.
 8. The labourer of all categories engaged for this must be fully ensured by the agency.

Signage

9. The entry to work area may be restricted to work men and inspecting staff only. Notice boards of specified sizes shall be provided at appropriate locations for wide information.