



MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD.

(CIN No. U40109MH2005SGC153646)

From:- Executive Engineer (Civil)
EHV Civil Construction cum Maintenances Division Nashik
"Administrative Building", Block No. 6, 1st floor, Racca Plot, Old Saykheda Road,
Jail Road, Nashik Road-422 101.
Ph No.:-0253-2403102 (O), Fax No.:-0253-2403103
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Ref. No. EEC/EHV/CCCM Dn/NSK/Tech **NO 4 6 7** Date:- **23 MAY 2017**

e- Quotation

Sealed and superscripted e- quotations are invited for the work of "Annual day to day various civil maintenance work for Administrative Building, Rest House & other local Sub station under jurisdiction of EHV CCCM Sub Division-I, Nashik." As detailed in schedule "B" is enclosed herewith subject to following terms and conditions.

Name of Work:- Annual day to day various civil maintenance work for Administrative Building, Rest House & other local Sub station under jurisdiction of EHV CCCM Sub Division-I, Nashik.

The quotations should reach to this office on or before **01/06/2017** up to 15.00 Hrs



- 1) The rates [percentage] should be quoted on Firm Quotation basis (Two Bid System only) including cost of materials, labours & T&P etc. required for execution of the work.
- (a) **Compulsory Primary Documents in 1st Envelop:(Technical Bid)**
 - i) Valid Certificate of Registration of appropriate class for Civil works from PWD /MES/ Railways/ Jeevan Pradhikaran ETC.OR From Any Govt. / Central Government.
 - ii) M-VAT 2006 Registration Certificate.
 - iii) Service tax Registration Certificate.
 - v) E.P.F. Registration Certificate – issued by competent authority of Govt.
 - vi) Experience of having successfully completed similar civil works.
 - vii) Payment of **EMD Rs. 3000.00** to be made by bidder off-line only upto 14.00hrs of **01/06/2017** in the office of EE(C), Dn., Nashik. EMD details Amount and M.R. No. should be super-scribed on the Envelope
- (b) **Documents in 2nd Envelop:(Price Bid)**
 - i) Price bid only where in the rates/percentage should be quoted in figures as well as in words.

NOTE:- Envelop No.2 (Price Bid) will be opened after qualifying in (Technical Bid) Envelop.No.1

- 2) The quantities enumerated in here attached Schedule B are approximate, however the payment will be made against actual executed quantities on site.
- 3) The work should be completed within **30 days** from the date of handing over the site to commence the work, failing of which a penalty at ½% per week subject to the maximum 10% of the ordered value will be imposed.
- 4) The work should be strictly carried out as per standard specifications & up to the entire satisfaction of the Engineer-in-charge.
- 5) Cement of approved make OF MANIKGARH/ACC/Orient/Rajshree as per IS 8912-1989 i.e.43-grade OPC or equivalent approved make will be procured & used.
- 6) No materials will be supplied by the MSETCL for this work except materials as shown in Schedule A
- 7) Payment will be made through First & Final bill/ R.A. bill basis at the discretion of undersigned.
- 8) The contractor will have to pay security deposit to this office equal to 5% of the ordered value.
- 9) In case any accident occurred to the Contractor's labour/workmen during execution of work, the contractor will be fully responsible for all claims & compensation. No charge in any case will be borne by the MSETCL

- 10) The materials to be utilized for the work should be getting approved from the Engineer-in-charge prior to its utilization for the work.
- 11) The terms & conditions enumerated in the approved Booklet "TENDER AND CONTRACTOR FOR WORKS" will be applied in this case & will be binding on the contractor entirely.
- 12) Right to accept any or to reject any or all the quotations without assigning any reason there of is reserved by the undersigned.
- 13) Payment will be released to agency as per availability of funds. Further MSETCL will not pay any compensation due to non availability of funds.

Yours faithfully,

 22/5
Executive Engineer [Civil]
EHV Civil CCM Dn Nashik.


Copy s.w.r.t.-

- 1) The Chief Engineer EHV Projects cum O&M Zone, Nashik.
- 2) The Superintending Engineer EHV CCCM Circle, Nashik.

Copy to-

- 1) Additional Executive Engineer [Civil] EHV Civil S/Dn.-I, Nashik.
- 2) The Dy. Manager [F&A] Dn. Office, Nashik.
- 3) Master File/Notice Board.

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED

EHV CCCM Division Nashik.

Name of Work - Annual day to day Various Civil maintenance works for Administrative Building (Nashik Road), Rest House (132kV Ambad) and other local Sub station under jurisdiction of EHV CCCM S/Dn-I, Nashik.

Schedule "B"

Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
1	Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. and spreading for embankment or stacking as directed. By Manual Means	10.00	Cu.M.	88.00	880.00
2	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area & stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete. With Lift upto 1.5 m.	5.00	Cu.M.	155.00	775.00
3	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete. By Manual Means. With Lift upto 1.5 m.	2.00	Cu.M.	174.00	348.00
4	Supplying hard murum/ kankar at the quarry site, including conveying and stacking complete.	10.00	Cu.M.	611.00	6110.00
5	Spreading hard murum for side width and/or as directed complete	10.00	Cu.M.	34.00	340.00
6	Compacting the hard murum side widths layers on each side and/or as directed with power roller including artificial watering complete.	10.00	Sq.M.	8.00	80.00
7	Conveying materials obtained from road cutting including all lifts, laying in layers, breaking clods, dressing to the required lines, curves, grades and section for a lead of over 300m.to 500m from the site of excavation to the site of deposition as directed.	10.00	Cu.M.	40.00	400.00
8	Providing 8 to 10 T JCB for excavation, levelling, removing small bushes as directed...etc complete	3.00	Hour	1059.00	3177.00
9	Providing dry trap / granite / quartzite / gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting complete.	2.00	Cu.M.	932.00	1864.00
10	Providing and laying in situ cement concrete in 1:4:8 of trap / granite / quartzite / gneiss metal for foundation and bedding including bailing-out water manually, formwork, compacting, covering newly laid concrete by gunny bag, plastic or tarpaulin, curing etc. complete. (Wooden planks / shuttering will not be allowed) Spec. No. : Bd.E.1 Page No. 287	0.50	Cu.M.	3217.00	1608.50

Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
11	Providing and laying in situ cement concrete M-10 / 1:3:6 of trap / granite / quartzite / gneiss metal for foundation and bedding including bailing-out water manually formwork, compacting, covering newly laid concrete by gunny bag, plastic or tarpaulin, curing etc. complete. (Wooden planks / shuttering will not be allowed)	0.50	Cu.M.	3704.00	1852.00
12	Providing and casting in situ cement concrete M-15 / 1:2:4 of trap / granite / quartzite / gneiss metal, moulded or chamfered as per drawing or as directed for coping to plinth or parapet, including centering, form work, compacting, covering newly laid concrete by gunny bag, plastic or tarpaulin, roughening them if special finish is to be provided and curing and finishing if required etc. complete. (The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Wooden planks / shuttering will not be allowed)	1.00	Cu.M.	4918.00	4918.00
13	Providing and laying in situ cement concrete of M-20 grade of trap / granite / quartzite / gneiss metal for R.C.C. work in foundations like raft, grillages, strips, foundations and footings of R.C.C. columns and steel stanchions including bailing-out water manually, formwork, compacting, covering newly laid concrete by gunny bag, plastic or tarpaulin, curing and roughening the surface if special finish is to be provided (Excluding reinforcement, & structural steel) The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. (Wooden planks / shuttering will not be allowed)	0.50	Cu.M.	5321.00	2660.50
14	Providing and casting in situ cement concrete of M-20 grade of trap / granite / quartzite / gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings or as directed including fixing plastic cover blocks of required size at 27 Nos in per 10 Sqm of reinforcement to give a clear cover of 15 mm in R.C.C. Slabs, fixing fan hook box of 100 mm diameter PVC or MS material with required depth with holes or notches as required, bottom with 12 mm dia. M.S. bar bent to shape with hooked ends for fan hook and painting to exposed surface, centering, formwork of steel, compaction, covering newly laid concrete by gunny bag, plastic or tarpaulin, finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement. The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Wooden planks / shuttering will not be allowed)	0.50	Cu.M.	8248.00	* 4124.00

Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
15	Providing and casting in situ cement concrete of M-20 grade of trap granite/ quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including fixing plastic cover block of required size at 1.5 meter C/C near the edge of each side and at the center when the width is more than 75 cm. to reinforcement to give required clear cover 40mm to 65mm from all sides in R.C.C. Column, centering, formwork of plywood / steel, compaction, covering newly laid concrete by gunny bag, plastic or tarpaulin, finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement.) The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. (Wooden planks / shuttering will not be allowed. The shuttering should be of waterproof plywood or tailer made angle and steel plate)	0.50	Cu.M.	7593.00	3796.50
16	Providing and casting in situ cement concrete of M-20 grade of trap granite/ quartzite / gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including placing in position plastic cover block of required size at 90 cm. C/C each main bottom bars to stamping at sides to give required clear cover from all sides in R.C.C. Beam, centering, formwork of plywood/ steel, compaction, covering newly laid concrete by gunny bag, plastic or tarpaulin, finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement. The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. (Wooden planks/ shuttering will not be allowed. The shuttering should be of waterproof plywood or tailer made angle and steel plate)	0.50	Cu.M.	7243.00	3621.50
17	Providing and fixing in position T.M.T. steel bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. (T.M.T. steel from Minimill / Mini plant Plant)	0.10	M.T.	52211.00	5221.10
18	Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed designs and drawing including fixing in position without connecting plates, braces etc. and one coat of anticorrosive paint and over it two coats of oil paintings of approved quality and shade complete.	0.10	M.T.	61469.00	6146.90
19	Providing Brick masonry in cement mortar 1:6 using Second class burnt bricks in foundations and plinth of inner walls / in plinth of external walls including bailing-out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering complete.	1.00	Cu.M.	5464.00	5464.00

Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
20	Providing Brick masonry in cement mortar 1:6 using Second class burnt bricks in superstructure including striking joints, raking out joints, watering and scaffolding complete.	1.00	Cu.M.	5561.00	5561.00
21	Providing Bricks masonry in cement mortar 1:4 using Second class burnt bricks in half brick thick wall including mild steel longitudinal reinforcement of 2 bars of 6 mm diameter / 2 hoop iron strips 25 mm X 1.6 mm at every third course, properly bent and bounded at ends scaffolding, raking out joints and watering complete.	2.00	sqm	956.00	1912.00
22	Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundations and plinth of inner walls / in plinth of external walls including bailing-out water manually, striking joints on unexposed faces and watering complete.	2.00	Cu.M.	3652.00	7304.00
23	Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in superstructure including raking out joints when plastering is to be done / striking joints when no plastering is to be done watering and scaffolding complete.	2.00	Cu.M.	3652.00	7304.00
24	Providing flush grooved pointing with cement mortar 1:3 for stone masonry work including scaffolding and curing complete.	4.00	Sq.M.	66.00	264.00
25	Providing and laying dampproof course 50mm thick in (1:2:4) / M-15 cement concrete layer and bitumen felt / using cement with waterproofing compound.	10.00	Sq.M.	262.00	2620.00
26	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing complete.	5.00	Sq.M.	155.00	775.00
27	Providing internal/external cement plaster 20mm. thick in two coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing complete.	10.00	Sq.M.	263.00	2630.00
28	Providing sand faced cement plaster externally in cement mortar using Kharsalia / Kasaba or similar type of sand, in all positions including base coat of 15mm thick in C.M. 1:4 using waterproofing compound at 1kg.per cement bag, curing the same for not less than 3 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8mm thick in C.M. 1:4, finishing the surface by taking out grains and curing for fourteen days, scaffolding etc. complete.	3.00	Sq.M.	362.00	* 1086.00
29	Providing neeru finish to plastered surfaces for ceiling including scaffolding and curing complete.	10.00	Sq.M.	44.00	440.00
30	Providing neeru finish to plastered surfaces in a all positions except ceiling including scaffolding and curing complete.	15.00	Sq.M.	33.00	495.00
31	Providing fine cement finish 1.5 mm thick over green plaster surface including scaffolding curing etc. complete. Additional Item Spec. No. : As directed by Engineer in charge.	10.00	Sq.M.	60.00	600.00

Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
32	Providing and fixing mild steel grill work weighing 20 kg / sqm. for windows, ventilators etc. as per drawing including fixtures, necessary welding & painting with one coats of anti corrosive paint & two coats of oil painting complete.	2.00	Sq.M.	1433.00	2866.00
33	Scraping out old white wash or colour wash or distemper by steel wire brushing and / or scrapping by sand paper and preparing the wall surface smooth including necessary repairs to scratches, applying putty etc. complete. Additional Item Spec. No. : As directed by Engineer in charge.	20.00	Sq.M.	16.00	320.00
34	Providing & applying two coats of lead / zinc base oil paint / bituminous paint of approved colour to new structural steel work and iron work in buildings including scaffolding if necessary, cleaning and preparing the surface. (excluding primer coat). (Sample and brand is to be got approved from Executive Engineer before use)	10.00	Sq.M.	54.00	540.00
35	Providing and applying French polishing for required finish on previously polished wood including knotting, preparing the surfaces, scaffolding etc. complete as directed.	10.00	Sq.M.	57.00	570.00
36	Providing and applying primer coat for internal wall surfaces and ceilings including scaffolding etc. complete. Spec. No. : As directed by Engineer in charge.	10.00	Sq.M.	15.00	150.00
37	Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surface in three coats including scaffolding, preparing the surface. (excluding primer coat) complete.	5.00	Sq.M.	80.00	400.00
38	Providing & applying washable oil-bound distemper of approved colour and shade to old & new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) complete.	5.00	Sq.M.	60.00	300.00
39	Providing and applying two coats of water proof cement paint to substructure/super structure of approved manufacture and of approved colour to the exposed surfaces including scaffolding if necessary, including primer coat cleaning and preparing the surface, watering for two days complete. (Sample and brand is to be got approved from Executive Engineer before use)	5.00	Sq.M.	33.00	165.00
40	Providing and applying three coats of texture paint of approved manufacture and approved colour and shade to plastered surface including scaffolding, if necessary and preparing the surface etc. for specified buildings complete. (Sample and brand is to be got approved from Executive Engineer before use) (Prior specific permission of S.E. shall be obtained before inclusion of this item in the estimate.) Spec. No.: As directed by Engineer in charge.	5.00	Sq.M.	112.00	560.00

Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
41	Providing and applying two coats of polymer based external paint of standard manufacture like Apex from Asian Paints, Excel from Nerolac paints of approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the surface etc. for specified buildings complete. (Sample and brand is to be got approved from Executive Engineer before use) (Prior specific permission of S.E. shall be obtained before inclusion of this item in the estimate.) Spec. No.: As directed by Engineer in charge.	5.00	Sq.M.	205.00	1025.00
44	Providing and fixing in position 15 mm diameter ultra violet stabilised UPVC plumbing pipe of specified outer diameter of required standard thickness conforming to I.S. 4985 including necessary fittings conforming to I.S. 7834 such as PVC bends, tees, reducers, clamps, plugs etc. including necessary excavation drilling holes in walls, slabs etc. and making good the surface complete. (For 10 kg / Sq.cm Pressure) (Prior approval of sample and brand by Executive Engineer is necessary before use) Spec. No. As directed by Engineer in charge.	3.00	R.M.	191.00	573.00
45	Providing and fixing in position 20 mm diameter ultra violet stabilised UPVC plumbing pipe of specified outer diameter of required standard thickness conforming to I.S. 4985 including necessary fittings conforming to I.S. 7834 such as PVC bends, tees, reducers, clamps, plugs etc. including necessary excavation drilling holes in walls, slabs etc. and making good the surface complete. (For 10 kg / Sq.cm Pressure) (Prior approval of sample and brand by Executive Engineer is necessary before use) Spec. No. As directed by Engineer in charge.	3.00	R.M.	208.00	624.00
46	Providing and fixing in position 25 mm diameter ultra violet stabilised UPVC plumbing pipe of specified outer diameter of required standard thickness conforming to I.S. 4985 including necessary fittings conforming to I.S. 7834 such as PVC bends, tees, reducers, clamps, plugs etc. including necessary excavation drilling holes in walls, slabs etc. and making good the surface complete. (For 10 kg / Sq.cm Pressure) (Prior approval of sample and brand by Executive Engineer is necessary before use) Spec. No. As directed by Engineer in charge.	3.00	R.M.	246.00	738.00
47	Providing and fixing in position 32 mm diameter ultra violet stabilised UPVC plumbing pipe of specified outer diameter of required standard thickness conforming to I.S. 4985 including necessary fittings conforming to I.S. 7834 such as PVC bends, tees, reducers, clamps, plugs etc. including necessary excavation drilling holes in walls, slabs etc. and making good the surface complete. (For 10 kg / Sq.cm Pressure) (Prior approval of sample and brand by Executive Engineer is necessary before use) Spec. No. As directed by Engineer in charge.	3.00	R.M.	289.00	867.00

Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
48	Providing and fixing in position 40 mm diameter ultra violet stabilised UPVC plumbing pipe of specified outer diameter of required standard thickness conforming to I.S. 4985 including necessary fittings conforming to I.S. 7834 such as PVC bends, tees, reducers, clamps, plugs etc. including necessary excavation drilling holes in walls, slabs etc. and making good the surface complete. (For 10 kg / Sq.cm Pressure) (Prior approval of sample and brand by Executive Engineer is necessary before use) Spec. No. As directed by Engineer in charge.	3.00	R.M.	359.00	1077.00
49	Providing and fixing in position 50 mm diameter ultra violet stabilised UPVC plumbing pipe of specified outer diameter of required standard thickness conforming to I.S. 4985 including necessary fittings conforming to I.S. 7834 such as PVC bends, tees, reducers, clamps, plugs etc. including necessary excavation drilling holes in walls, slabs etc. and making good the surface complete. (For 10 kg / Sq.cm Pressure) (Prior approval of sample and brand by Executive Engineer is necessary before use) Spec. No. As directed by Engineer in charge.	3.00	R.M.	501.00	1503.00
50	Providing and fixing in position 63 mm diameter ultra violet stabilised UPVC plumbing pipe of specified outer diameter of required standard thickness conforming to I.S. 4985 including necessary fittings conforming to I.S. 7834 such as PVC bends, tees, reducers, clamps, plugs etc. including necessary excavation drilling holes in walls, slabs etc. and making good the surface complete. (For 10 kg / Sq.cm Pressure) (Prior approval of sample and brand by Executive Engineer is necessary before use) Spec. No. As directed by Engineer in charge.	3.00	R.M.	571.00	1713.00
51	Providing and laying in trenches medium grade having embossed ISI Mark 15 mm diameter galvanised iron pipes with screwed sockets, joints, necessary galvanised iron fitting such as sockets, back nuts, elbows, bends, tees, reducers, enlargers, plugs, clamps etc. including necessary drilling hole in walls, slabs etc. and remaking good the demolished portion to restore the same in original condition neatly, testing etc. complete. (Prior approval of sample and brand by Executive Engineer is necessary before use)	3.00	R.M.	181.00	543.00
52	Providing and laying in trenches medium grade having embossed ISI Mark 20 mm diameter galvanised iron pipes with screwed sockets, joints, necessary galvanised iron fitting such as sockets, back nuts, elbows, bends, tees, reducers, enlargers, plugs, clamps etc. including necessary drilling hole in walls, slabs etc. and remaking good the demolished portion to restore the same in original condition neatly, testing etc. complete. (Prior approval of sample and brand by Executive Engineer is necessary before use)	3.00	R.M.	223.00	669.00

Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
53	Providing and laying in trenches medium grade having embossed ISI Mark 25 mm diameter galvanised iron pipes with screwed sockets, joints, necessary galvanised iron fitting such as sockets, back nuts, elbows, bends, tees, reducers, enlargers, plugs, clamps etc. including necessary drilling hole in walls, slabs etc. and remaking good the demolished portion to restore the same in original condition neatly, testing etc. complete. (Prior approval of sample and brand by Executive Engineer is necessary before use)	3.00	R.M.	291.00	873.00
54	Providing and laying in trenches medium grade having embossed ISI Mark 40 mm diameter galvanised iron pipes with screwed sockets, joints, necessary galvanised iron fitting such as sockets, back nuts, elbows, bends, tees, reducers, enlargers, plugs, clamps etc. including necessary drilling hole in walls, slabs etc. and remaking good the demolished portion to restore the same in original condition neatly, testing etc. complete. (Prior approval of sample and brand by Executive Engineer is necessary before use)	3.00	R.M.	449.00	1347.00
55	Providing and fixing 15 mm diameter screw down bib cock (Standard) of symet type including necessary sockets, union nut, testing etc. complete. (Prior approval of sample and brand by Ex. Engineer is necessary before use.)	3.00	No.	233.00	699.00
56	Providing and fixing 20 mm screw down wheeled stop tap of brass including necessary sockets / union nut, testing etc. complete. (Prior approval of sample and brand by Ex. Engineer is necessary before use.)	2.00	No.	261.00	522.00
57	Providing and fixing 25 mm screw down wheeled stop tap of brass including necessary sockets / union nut, testing etc. complete. (Prior approval of sample and brand by Ex. Engineer is necessary before use.)	1.00	No.	359.00	359.00
58	Providing and fixing 40 mm screw down wheeled stop tap of brass including necessary sockets / union nut, testing etc. complete. (Prior approval of sample and brand by Ex. Engineer is necessary before use.)	1.00	No.	615.00	615.00
59	Providing and fixing 75mm dia meter UPVC soil/vent/waste/SWR pipe/Rain water pipes of required dia meter conforming to IS-13592 and IS-4985 to with stand 2.50 Kg/cm ² including necessary fixture and fittings such as bends tees, single junction, double and joining with rubber and lubricants on wall by means of clips or in ground including necessary excavation, laying filling trenches, testing etc. complete.	2.00	R.M.	199.00	* 398.00
60	Providing and fixing 110 mm dia UPVC soil / vent / waste SWR pipe of required diameter conforming to I.S.-13592, and I.S.- 4985 to withstand continuous internal hydraulic pressure of 2.5 kg / cm ² including necessary fixtures and fittings, such as bends, tees, single junctions, double junctions and joining with rubber rings and lubricants, on wall by means of clips or in ground including necessary excavation, laying refilling, trench testing etc. complete. (Prior approval of sample and brand by Exe. Engineer is necessary before use.) Spec. No.: As directed by Engineer-in- charge.	3.00	R.M.	246.00	738.00

Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
61	Providing and fixing 160 mm dia UPVC soil / vent / waste SWR pipe of required diameter conforming to I.S.-13592, and I.S.- 4985 to withstand continuous internal hydraulic pressure of 2.5 kg / cm ² including necessary fixtures and fittings, such as bends, tees, single junctions, double junctions and joining with rubber rings and lubricants, on wall by means of clips or in ground including necessary excavation, laying refilling, trench testing etc. complete. (Prior approval of sample and brand by Exe. Engineer is necessary before use.) Spec. No.: As directed by Engineer-in- charge.	3.00	R.M.	535.00	1605.00
62	Providing and fixing approved quality C.P.flush cock with wall flange 25mm with plain knob jaquar or equivalent make continental with all accessories as directed...etc comp	2.00	No.	2267.00	4534.00
63	Providing and fixing approved quality fibre body flushing cistern of 10Ltr. Capacity for W.C as directed...etc comp	1.00	No.	1205.00	1205.00
64	Providing and fixing approved quality water jet with all necessary accessories as directed as directed...etc comp	2.00	No.	586.00	1172.00
65	Providing and fixing approved quality fly proof jali with all accessories as directed...etc comp	3.00	Sq.M.	567.00	1701.00
66	Providing and fixing ball cock 15mm dia. P.V.C. float with all accessories as directed...etc comp	1.00	No.	326.00	326.00
67	Providing and fixing ball cock 25mm dia. P.V.C. float with all accessories as directed...etc comp	1.00	No.	586.00	586.00
68	Providing and fixing 1st class white glazed earthenware "Orissa type" W.C. Pan 600 x 400 mm size including 'P' or 'S' trap UPVC soil and vent pipe upto the outside face of the wall, 1:5:10 cement concrete bedding, without flushing cistern with flush cock and necessary fittings, painting of the exposed pipe and cutting and making good walls and floor, testing etc. complete. (Prior approval of sample and brand by Ex. Engineer is necessary before use.)	1.00	No.	4482.00	4482.00
69	Providing and fixing coloured glazed earthenware Wash Hand Basin of Size 55 x 40 cm. including pillar tap, brackets, rubber plugs and brass chain, stop tap and necessary pipe connections including UPVC waste pipe and UPVC bottle trap upto the outside face of the wall making good damaged surface, testing etc. complete.	1.00	No.	2705.00	2705.00
70	Providing and fixing coloured glazed earthenware Wash Hand Basin of Size 55 x 40 cm. including pillar tap, brackets, rubber plugs and brass chain, stop tap and necessary pipe connections including UPVC waste pipe and without bottle trap, upto the outside face of the wall making good damaged surface, testing etc. complete.	1.00	No.	2306.00	2306.00

Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
71	Providing and fixing European type white glazed earthenware Water Closet with siphonic trap without flushing cistern with flush cock and necessary fittings, with black Bakelite seat and lid with chromium plated brass hinges including UPVC soil and vent pipe upto the outside face of wall including 100 mm dia. UPVC plug bend, inlet pipe, stop tap etc. all fittings, cutting and making good to the walls and floors, testing etc. complete. (Prior approval of sample and brand by Ex. Engineer is necessary before use.)	1.00	No	3583.00	3583.00
72	Providing and fixing coloured glazed earthenware full stall type Urinal without flushing cistern with inlet pipes, UPVC flush pipe, stop tap 32 mm dia. with fittings, UPVC soil pipe, UPVC trap and soil pipe connection upto the outside face of the wall, making good to damaged surface, testing etc. complete. (Prior approval of sample and brand by Ex. Engineer is necessary before use) Spec. No. : Bd.V.23 Page No. 562	1.00	No	4741.00	4741.00
73	Providing and fixing 15cm x 10cm salt glazed stoneware gully trap in cement concrete 1:4:8 outside the building including connecting glazed stoneware pipe, brick masonry chamber with R.C.C. lid and symet grating for the gully trap testing etc. complete.	2.00	No.	758.00	1516.00
74	Providing and fixing approved quality mirror 40cmx50cm with plastic frame, all accessories as directed...etc comp	1.00	No.	1042.00	1042.00
75	Providing and fixing 25 mm diameter water meter with non return valve with water meter chamber 100 cm. x 50 cm. size of brick work in cement mortar 1:6, 23 cm thick on the bed of cement concrete 1:4:8, 15 cm thick with necessary excavation in all strata, 20 mm cement plaster 1:3 proportion, cast iron frame and cover and locking arrangement with M.S. flat and locking including three coats of oil paint of approved quality to cast iron frame and cover and strainer, testing etc. complete.	1.00	No.	4629.00	4629.00
76	Providing and fixing 50 mm diameter water meter with non return valve with water meter chamber 100 cm. x 50 cm. size of brick work in cement mortar 1:6, 23 cm thick on the bed of cement concrete 1:4:8, 15 cm thick with necessary excavation in all strata, 20 mm cement plaster 1:3 proportion, cast iron frame and cover and locking arrangement with M.S. flat and locking including three coats of oil paint of approved quality to cast iron frame and cover and strainer, testing etc. complete.	1.00	No.	6198.00	6198.00
77	Providing and fixing pillar tap ASSY with all accessories as directed...etc comp	1.00	No.	397.00	397.00
78	Providing and fixing toughned glass partitions from 6mm to 12mm thick with all necessary stainless steel fixtures & pivot arrangement etc.complete. Spec. No. As directed by Engineer in charge. (This item shall be used with prior permission of Superintending Engineer)	1.00	Sq.M.	2848.00	2848.00

Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
79	Providing & constructing Brick Masonry Inspection Chamber 90cm x 45cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W. pipes, Brick Masonry, plastering from inside and airtight with 75 mm thick R.C.C. cover etc. complete.	1.00	No.	5062.00	5062.00
80	Providing & constructing Brick Masonry Inspection Chamber 60cm x 45cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W. pipes, Brick Masonry, plastering from inside and airtight 75 mm thick R.C.C. cover etc. complete.	1.00	No.	4300.00	4300.00
81	Providing, hoisting and fixing in position Sintex or equivalent High Density Poly Ethylene UV stabilised conforming to IS-12701; water storage tank with necessary connection, testing etc. complete. (Prior approval of sample by Exe. Engineer is necessary before use.) Spec. No.: As directed by Engineer-in-charge.	500.00	Ltr.	10.00	5000.00
82	Providing & Laying cement concrete pipe of I.S. NP2 Class of 450 mm diameter in proper line, level & slope including providing, fixing collars or spigot and socket joint by rubber ring and in cement mortar 1:2 etc. complete.	3.00	R.M.	1406.00	4218.00
83	Laying cement concrete pipe of I.S. NP2 Class of 600 mm diameter in proper line, level & slope including providing, fixing collars or spigot and socket joint by rubber ring and in cement mortar 1:2 etc. complete.	2.00	R.M.	1999.00	3998.00
84	Providing and fixing ceramic tiles of approved quality and size, 7 mm thick for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white / colour cement slurry, cleaning, curing complete. Additional Item Spec. No. : As directed by Engineer in charge.	2.00	Sq.M.	844.00	1688.00
85	Providing and laying ceramic tiles of approved quality and size, 7 mm thick for dado and skirting in required position with ready made adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white / colour cement slurry, cleaning, curing complete. Additional Item Spec. No. : As directed by Engineer in charge.	1.00	Sq.M.	866.00	866.00
86	Providing and fixing coloured glazed tiles 200 mm. x 100 mm. in size and about 5 to 6 mm thick for dado and skirting in required position on plaster of 1:4 cement mortar including filling joints with neat cement slurry mixed with pigment to match the colour of tiles, curing, rubbing and polishing complete. Additional Item Spec. No. : As directed by Engineer in charge.	1.00	Sq.M.	1026.00	1026.00

Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
87	Providing and fixing 60 mm thick Factory made, hydraulically compressed mechanically vibrated and compacted precast interlocking cement concrete paving blocks in M-35 grade of approved size and shape as specified, top 10 mm surface in white cement with colour pigment and remaining in gray cement as directed including all cost of materials, manufacturing, transportation of blocks upto 10 km. including loading unloading and stacking as directed, laying paving blocks in position over prepared bed of sand 50 mm thick including necessary excavation in all strata, spreading blindage of fine sand over the prepared bed compacting blocks by plate vibration and finishing etc. complete. Spec.No. As directed by Engineer-in-charge (for general use like car parking, light vehical pathways, footpaths, garden pathways and medium vehical movements etc.)	1.00	Sq.M.	792.00	792.00
88	Providing and laying Glazed vitrified tiles of approved quality 605mmx605mm,10mm thick for flooring,Dado and Skirting in required position laid on a bed of 1:4 cement mortar, including cement float, filling joints with white/ coloured cement slurry, cleaning, curing complete.A) Mirror/ Glossy finish i) Flooring	1.00	Sq.M.	887.00	887.00
89	Providing and laying Glazed vitrified tiles of approved quality 605mmx605mm,10mm thick for flooring,Dado and Skirting in required position laid on a bed of 1:4 cement mortar, including cement float, filling joints with white/ coloured cement slurry, cleaning, curing complete.A) Mirror/ Glossy finish i) Skirting	2.00	Sq.M.	986.00	1972.00
90	Providing and laying cement concrete flooring 40 mm thick with 1:2:4 cement concrete laid to proper level and slope in alternate bays including compaction, filling joints, marking lines to give the appearance of tiles of 30 cm x 30 cm or other size laid diagonally / square etc., finishing smooth (with extra cement) in any colour as directed and curing complete.	5.00	Sq.M.	651.00	3255.00
91	Providing and fixing precast reinforced Cement Concrete of grade M-350 frame of size 50 mm x 125 mm for doors / windows without / with ventilator including all mouldings chamfering / rounding rebating and hold fast complete.	3.00	R.M.	603.00	1809.00
92	Providing and fixing 20 mm to 25 mm thick polished granite (Prior approval of S.E. is required) stone of specified width on parapet wall of terrace, staircase, etc. on plain, levelled top surface, including cleaning top surface, fixing with ready made adhesive, screws for fixing stones, rounding corners, finishing etc. complete. Spec. No.: As directed by Engineer in charge.	1.00	Sq.M.	3248.00	3248.00

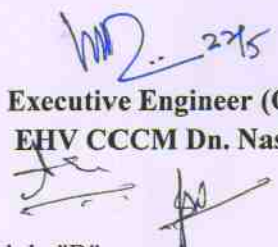
Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
93	Providing and laying polished Granite stone slab of approved colour and 16mm to 20mm thick for treads and risers of steps and staircases, with rounded nosing for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, and cleaning complete. (Prior permission of SE shall be obtained before inclusion of this item in the estimate) Additional item : As directed by engineer in charge.	1.00	Sqm	3291.00	3291.00
94	Providing and fixing solid core flush door with Commercial ply in single leaf 35 mm thick as per detailed drawing approved 1 mm thick laminated sheet on both faces in the positions shown on the drawing or as directed, all necessary beads, mouldings and lipping, brass fixtures and fastenings on both sides and finishing complete. (without door frame).	2.00	Sq.M.	3775.00	7550.00
95	Providing and fixing in position double anodized aluminum sliding windows of three tracks mitred and mechanically assembled at corners with frame size 92mm x 45mm bottom frame with gutter section, bottom frame 1.352kg/m and top and side frames 1.257 kg/m) shutters with sections of 18mm x 40mm (wt. 0.56kg/m) and interlocking sections 18mm x 40mm (wt. 0.625kg/m) including 5mm thick plain sheet glass, glazing clips / rubber / PVC gasket / roller bearing encased in nylon casing and self locking catch fitted in vertical section with all other accessories etc. complete.	1.00	Sq.M.	3435.00	3435.00
96	Providing, supplying and fixing in position anodised extruded aluminium partitions, partly glazed and partly laminated having frame made out of extruded tubular section of size 40mm x 60mm with 12 mm thick three layered flat pressed teak wood particle board bonded with BWP type exterior grade phenolformaldehyde synthetic resin conforming to IS 12823-1990, laminated on both sides, Novateak or equivalent and 5mm thick selected quality float glass pannels fixed with aluminium glass clips 12mm x 12mm and rubber cushioning beading to glass partition as per approved drawing etc. complete. (Sample to be got approved from Executive Engineer before use). Spec. No. : As directed by Engineer-in-charge.	2.00	Sq.M.	2282.00	4564.00
97	Providing, supplying and fixing in position anodised extruded aluminium partitions with both sides laminated panels having frame made out of aluminium extruded tubular section of size 40mm x 65mm with 12 mm thick three layered flat pressed teak wood particle board bonded with BWP type exterior grade phenolformaldehyde synthetic resin conforming to IS 12823-1990, laminated on both sides, Novateak or equivalent fixed with aluminium glazing clips of size 12mm x 12mm as per approved drawing etc. complete. (Sample to be got approved from Executive Engineer before use). Spec. No. : As directed by Engineer-in-charge.	1.00	Sq.M.	2538.00	2538.00

Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
98	Providing and fixing in position single shuttered aluminium extruded anodised or powder coated door of overall size 0.90m x 2.40 m with aluminium door frame of anodised or powder coated section 101.60 x 44.75 millimetre, 3.18 millimetre thick and shutter comprising of powder coated section having bottom and lock rail of size 150 millimetre x 44.45 millimetre, 2.90 millimetre thick, top rails 47.62 x 44.45 millimetre, 3.18 millimetre thick, vertical styles 47.62 x 44.45 millimetre, 3.00 millimetre thick and glass panes 5 millimetre thick for the fanlight portion and 12 millimetre thick both side laminated phenol bonded particle board panels for shutter, Tubular door closer of heavy duty having I.S.I. mark, heavy duty concealed lock, necessary glazing clips, PVC gaskets, tower bolts etc. as per detailed design and drawing or as directed by Engineer-in-charge including all material, labour and equipment etc. complete.	1.00	Sq.M.	5599.00	5599.00
99	Providing and fixing in position Hydraulic tubular door closer of heavy duty having ISI Marks as per directions of Engineer-in-charge, including all necessary fixtures and fastenings, labour etc.complete. (As directed by Engineer-in-charge)	2.00	No.	1281.00	2562.00
100	Providing and fixing collapsible steel gates in two leaves, with channel pickets, pivoted flat bars, including top and bottom guides, rollers, stoppers, handles, all fitting accessories, locking arrangement and one coat of red lead primer complete	2.00	Sq.M.	3366.00	6732.00
101	Providing and fixing clear / plain glass panes 5mm thick for all sizes including putty CCTW beading or clamps etc. complete. Additional Item. Spec. No. As directed by Engineer in charge.	4.00	Sq.M.	570.00	2280.00
102	Providing and fixing approved quality tower bolt M.S. Chromium plated 10mm dia., length 150.00mm with all accessories as directed...etc comp	2.00	No.	169.00	338.00
103	Providing and fixing approved quality aldrop S.S. 250*16 with all accessories as directed...etc comp	2.00	No.	313.00	626.00
104	Providing and fixing approved quality handle S.S. 150.00mm(rounded shape) with all accessories as directed...etc comp	2.00	No.	150.00	300.00
105	Providing and fixing approved quality door stopper S.S.with all accessories as directed...etc comp	2.00	No.	182.00	364.00
106	Providing and fixing approved quality hydraulic floor spring heavy duty(150.00kgs capacity) with all accessories as directed...etc comp	1.00	No.	3648.00	3648.00
107	Providing and fixing iron hinges of approved make and size fixing by welding to steel frame and shutter and making shutters in working condition including removing existing damaged hinges etc. complete.	10.00	No.	78.00	780.00

Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
108	Providing cement based water proofing treatment to terrace (India water proofing or alike) with brick bats laid in required slope to drain the water for any span after cleaning the base surface, applying a coat of cement slurry and mixed with approved water proofing compound and laying the brick bats on bottom layer of c.m. (1:5) and mixed with approved water proofing compound, filling upto half depth of brick bats, curing this layer for 3 days, applying cement slurry over this layer, jointing of brick bats with c.m. 1:3 and mixed with approved water proofing compound and finally top finishing with average 20 mm thick layer of same mortar including finishing the surface smooth with cement slurry mixed with approved water proofing compound, marking the finished surface with false squares of 300mm x 300mm, making the junctions at the parapets rounded and tapered towards top for required height with drip mould at the junction of plaster and curing etc., covering 7 years guarantee on Court Fee Stamp paper	1.00	Sq.M.	881.00	881.00
109	Providing & laying APP modified water proofing memberane with non woven polyster reinforcement 3mm thick water proofing treatment (Dr.Fixit Torch shield or super theomolay of STP make) approved by Engineer in charge, to the roof including cleaning the roof surface with wire/ coir brush and with air blower repairing pot holes cracks if any over Siporex / RCC slab by using polymer base moter by adding SBR latex @ 5 ltr/bag in cm 1:4 applying a coat of oil base bitumen primer Dr.Fixit/Shalitex @ 200 gms/M2 by brush or with roller after removing of dust completely including providing and laying 3mm thick App shit (Pidilite / STP make) as per the manufacturers instructions by heating with torch at a specified tempreture including providing 100mm overlap in all sides as directed by Engineer charge. etc complete and applying two coats of silver shield @ 0.1 Kg/Sq.m etc complete as directed by Enginner in charge with 7years guarantee on court fee stamp paper of Rs.100/- duly notorised.	8.00	Sqm	575.00	4600.00

Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
110	Providing and fixing frame work of galvanised iron for suspended false ceiling which includes galvanised iron perimeter channels of size 27 mm & 0.5 mm thick having one flange of 20 mm and another flange of 30 mm along with perimeter of the ceiling, fixing in brick wall / partition with the help of rawal plugs and screws, suspending galvanised iron intermediate channels of size 45 mm and 0.9 mm thick with two flanges of 15 mm. each from the soffit at 1200 mm centres with steel galvanised iron hanger of width 25 mm x 0.5 mm fasteners, ceiling section of 0.5 mm thickness having curved wedge of 51.5 mm and two flanges of 26 mm each with lips of 10.5 mm fixed to the intermediate channel with the help of connecting clips and in direction perpendicular to the intermediate channel at 450 mm centres, 12.5 mm dry wall screws at 230 mm centres; fixing screws mechanically either with screw driver or drilling machine with suitable attachment etc. complete.	3.00	Sq.M.	558.00	1674.00
111	Providing and fixing false ceiling of 12 mm thick acoustic boards of approved make, with shape and sizes as per drawings including scaffolding if any, all screws and fastening and finishing complete (excluding frame work and runners).	3.00	Sq.M.	917.00	2751.00
112	Providing and fixing A.C. corrugated sheet, 6mm thick of approved quality with all accessories and labour as directed...etc comp	3.00	Sq.M.	365.00	1095.00
113	Providing and fixing A.C.sheet ridge of approved quality with all accessories and labour as directed...etc comp	2.00	RMT	316.00	632.00
114	Providing and fixing powder coated coloured G.I. sheet of 0.80 mm thickness for roofing without wind tiles including fastening with galvanised iron screw and bolts and bitumen washer as per drawings complete. Spec. No. : As directed by Engineer in charge.	3.00	Sq.M.	786.00	2358.00
115	Removing choke up of the drainage line of any diameter and chambers of any size including necessary cleaning equipments & chemical & conveying sludge from outside premises	200.00	RMT	16.00	3200.00
116	Cleaning septic tank more than 1.5 Cu.M. capacity, add for each additional Cu.M. capacity.	10.00	Cu.M.	246.00	2460.00
117	Removing doors, ventilators and windows with frames and stacking the materials as directed with all leads, lifts, complete. Additional Item Spec. No. : As directed by Engineer in charge.	2.00	No.	65.00	130.00
118	Dismantling brick masonry in lime or cement mortar and stacking the materials as directed with all leads, lifts, complete. Additional Item Spec. No. : As directed by Engineer in charge.	2.00	Cu.M.	173.00	346.00
119	Removing lime or lean cement concrete including stacking the spoils as directed with all leads, lifts, complete. Additional Item Spec. No. : As directed by Engineer in charge.	5.00	Cu.M.	215.00	1075.00
120	Dismantling the R.C.C. work and sorting out the materials such as steel etc. as directed and stacking them within the specified lead as directed. Additional Item Spec. No. : As directed by Engineer in charge.	3.00	Cu.M.	800.00	2400.00

Sr No	Description of item	Quantity	Unit	Rate, Rs.	Amount, Rs.
121	Removing wooden or A.C. partition including frame work and stacking the materials as directed with all leads, lifts, complete. Additional Item Spec. No. : As directed by Engineer in charge.	27.00	Sq.M.	15.00	405.00
122	Removing cement tiles, or marble or Shahabad or Tandur stones ,polished shahabad floor or dado without bed concrete including stacking the materials as directed with all leads, lifts, complete. Additional Item Spec. No. : As directed by Engineer in charge.	5.00	Sq.M.	30.00	150.00
123	Removing cement or lime plaster including disposing of the spoils as directed with all leads, lifts, complete. Additional Item Spec. No. : As directed by Engineer in charge.	5.00	Sq.M.	13.00	65.00
124	Removing Urinal Pans or W.H.B. with frame including disconnecting the sanitary and water supply connections, removing the same carefully and stacking the serviceable materials as and where directed including throwing the unserviceable materials outside. Additional Item Spec. No. : As directed by Engineer in charge.	2.00	No.	53.00	106.00
125	Removing W.C. Pan including disconnecting the sanitary and water supply connections, removing and breaking flooring and bed concrete around pan removing the same carefully and stacking the serviceable materials as and where directed including of throwing the unserviceable materials outside. Additional Item Spec. No. : As directed by Engineer in charge.	2.00	No.	115.00	230.00
126	Engaging the unskilled labour for various Misc civil works as directed by Engineer In charge	1.00	NO	358.00	358.00
127	Providing and applying 3 coats of lead / zinc base oil paint / bituminous paint of approved color to new/old structural steel work and iron work in buildings Including priming coat over new/old steel and other metal surfaces with preparing the surface by scrapping the old paint from steel & other surface with flame, cleaning & making the even surface including the scaffolding at any height etc complete (Sample and brand is to be got approved from Executive Engineer before use) Additional Item Spec. No. : As directed by Engineer in charge.	60.00	Sqm	405.00	24300.00
Total Rs.					282652.00
Add Service Tax 6.00%					16959.12
Total Rs.					299611.12


Executive Engineer (Civil)
EHV CCCM Dn. Nashik.

I / We hereby agree to carryout the above work as under :-

- At estimated cost.
- Above.....% in words.....Of Estimated cost in Schedule "B"
- Below.....% in words.....Of Estimated cost in Schedule "B"

I / We have read the instructions and the same are binding on me / us.

Signature of the Contractors & Address.